Owner's Manual Manuel del Propietario Manuel du Propriétaire



MDR868H MDR867H MDR865H

HD DVR/DVD RECORDER with Digital Tuner



Instrucciones simplificadas incluidos en español

1. INTRODUCTION

Safety Information

The Model and Serial Numbers of this unit may be found on the cabinet. You should Record and retain those Numbers for future reference.

Model Number:

Serial Number:

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.



CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO **OUALIFIED SERVICE PERSONNEL.**

The important note and rating are located on the rear or bottom of the cabinet.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation Point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.

The symbol for CLASS II (Double Insulation)

IMPORTANT SAFETY INSTRUCTIONS

- 1. Read these Instructions.
- 2. Keep these Instructions.
- Heed all warnings.
- 4. Follow all Instructions.
- 5. Do not use this apparatus near water.
- 6. Clean only with dry cloth.
- 7. Do not block any ventilation Openings. Install in accordance with the manufacturer's Instructions.
- 8. Do not install near any heat Sources such as radiators, heat Registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 10. Protect the Power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the Point where they Exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.



- 13. Unplug this apparatus during lightning storms or when unused for long periods of Time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as Power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

To Avoid the Hazards of Electrical Shock and Fire

- Do not handle the Power cord with wet hands.
- Do not pull on the Power cord when disconnecting it from an AC outlet. Grasp it by the plug.
- Do not put your fingers or objects into the unit.

Location and Handling

- Do not install the unit in direct sunlight, near strong magnetic fields, or in a place subject to dust or strong vibration.
- · Avoid a place with drastic temperature changes.
- Install the unit in a horizontal and stable position. Do not place anything directly on top or bottom of the unit.
 Depending on your external devices, noise or disturbance of the picture and / or sound may be generated if the unit is placed too Close to them. In this case, please ensure enough space between the external devices and the unit.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- Be sure to unplug the AC Power cord from the AC outlet before removing the unit.

Dew Condensation Warning

- Dew condensation may form inside the unit in the following conditions. If so, do not use this unit at least for a few hours until its inside gets dry.
 - The unit is moved from a cold place to a warm place.
 - Under conditions of high humidity.
 - After heating a cold room.

Notice for Progressive Scan Output

 Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be Displayed in the picture. In case of picture problems with 480 progressive scan output, it is recommended that the user Switch the Connection to the 'standard definition' output. If there are questions regarding your TV set compatibility with this 480p DVD Recorder, please contact our customer service center.

FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the Manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

This transmitter must not be co-located or operated in conjunction with any other Antenna or transmitter.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B Digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the Instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1. Reorient or relocate the receiving Antenna.
- 2. Increase the separation between the equipment and Receiver.
- 3. Connect the equipment into an outlet on a circuit different from that to which the Receiver is connected.
- 4. Consult the dealer or an experienced radio /TV technician for help.

Disconnect the Mains (AC) plug to shut Off when trouble is found or not in use. The Mains (AC) plug shall remain readily operable.



ING: Batteries (Battery pack or battery installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

IMPORTANT COPYRIGHT INFORMATION

Unauthorized copying, Broadcasting, public performance and lending of discs are prohibited. This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Do not place the unit on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling unit can cause serious injury or even death.

This apparatus should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Make sure to leave a space of 3.9 inches (10cm) or more around this apparatus.

Never use a gas duster on this unit. The gas trapped inside of this unit may cause ignition and explosion.

For MDR868H and MDR867H, do Not Connect your PC directly to the LAN terminal of the unit.

LASER SAFETY

This apparatus is classified as a CLASS 1 LASER PRODUCT.

CLASS 1 LASER PRODUCT PRODUCT CON LASER CLASE 1

This apparatus employs a laser. Only a qualified service person should remove the cover or

attempt

to service this apparatus, due to possible eye injury.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAN ICES-3 (B)/NMB-3(B)

For MDR868H and MDR867H, this device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

For MDR868H and MDR867H, this transmitter must not be co-located or operated in conjunction with any other Antenna or transmitter.

FΝ

License

This product includes some Open Source Software that is subject to the GNU General Public License (GPL), GNU Lesser General Public License (LGPL) and/or copyright licenses, disclaims and notices. You can confirm further information about these by pressing **[OK]**, then Select "Settings" → "General Settings" → "Others". → "OSS". If you are interested in obtaining GPL Source Code used in this product, please contact FUNAI SERVICE CORPORATION 2200 Spiegel Drive, Groveport, OH 43125 funaioss@funaiservice.com

Maintenance

Servicing

- Please refer to relevant topics on 'Troubleshooting' on pages 66-70 when trouble is found.
- If this unit becomes inoperative, do not try to correct the problem on your own. There are no user-serviceable parts inside. Disconnect the External HDD or USB Memory Stick (if connected to the unit), place the unit into Standby mode, unplug the AC Power plug, and please contact: 1-866-341-3738 or visit : www.magnavox.com/support

Cleaning the cabinet

- Wipe the front panel and other exterior surfaces of the unit with a soft cloth.
- Never use a solvent, thinner, benzene or alcohol to clean the unit. Do not spray insecticide liquid near the unit. Such chemicals may discolor the surface or damage the unit.

Cleaning discs

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center to out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for Analog Records.

Cleaning the disc lens

 If this unit still does not perform properly although you refer to the relevant sections in "Troubleshooting" in this User Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

HDD (Hard Disk Drive) handling

- HDD is a precision apparatus that is susceptible to vibration, strong impact or dirt. Depending on the installation environment or handling, the unit may become partially damaged or in the worst case, Recording or Replaying may not be available. Especially while the HDD is in motion, do not subject it to vibration or strong impact or pull out the Power plug. And if a Power failure occurs, the content of the Recording / Replaying Program may be lost.
- HDD rotates at high speed when in operation. Be sure that rotation has Stopped and then move the unit without subjecting it to strong impact or vibration.

Disc handling

- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.
- Always store a disc in its protective case when it is not used.

IR signal check

- If the Remote Control does not work properly, you can test IR signal using a Digital camera or cell phone camera to see if the Remote Control sends out the infrared signal.
- 1. Turn On the Digital camera or cell phone camera.
- 2. Point the Digital camera or cell phone camera towards the front of the Remote Control.
- Press any arrow key on the Remote Control and look at the camera Display.
- If a pulsating light appears on the Display the Remote Control is sending out an IR signal.



😑 Note(s)

 Some Digital Cameras or Smart Phones with Camera(s) may have an IR filter and will not Display the IR signal.

Remote-control operation on any other Remote Control, such as a universal Remote Control, is not guaranteed.

Environmental Care



The packaging of this product is intended to be recycled.

Contact your local authorities for information about how to recycle the packaging. For product recycling information, please visit -

www.magnavox.com



End of life directives

MAGNAVOX pays a lot of attention to produce environmentalfriendly products in green focal areas. Your new DVR contains materials which can be recycled and reused. At the End of its life, specialized companies can dismantle the discarded DVR to concentrate the reusable materials and to minimize the amount of materials to be disposed of. Please ensure you dispose of your old DVR according to local regulations.

Trademark Information



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or Registered trademarks of HDMI Licensing LLC in the United States and other countries.



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Dolby® Digital Stereo Creator

"Dolby® Digital Stereo Creator enables consumers to create stereo DVD-Videos with stunning Dolby Digital sound tracks at home. The technology, when utilized instead of PCM Recording, also saves Recordable Disc space, allowing for higher Video resolution or extended Recording Time on each DVD, DVDs mastered using Dolby Digital Stereo Creator will Play back on all DVDVideo players."



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Supplied Accessories

Remote Control (NC266UH) with AAA (1.5 V) battery x2 RCA Audio/Video Cables RF Coaxial Cable Owner's Manual Menual Menual Quick Start Guide Quick Start

Symbols Used in this Owner's Manual

To specify for which media type each function is, we put the following symbols at the beginning of each item to operate.

Symbol	Description
Features o	lepend on what model you have purchased
MDR868/867	TH features effective on MDR868H, MDR867H only (It is not effective on MDR865H.)
For Recor	ding, Playing back and Editing
HDD	Description refers to HDD
EXT. HDD	Description refers to External HDD
DVD-RW Vid	eo Description refers to DVD-RW (Video mode)
DVD-R Vide	Description refers to DVD-R (Video mode)
For Playba	ack only
DVD-RW V	R Description refers to DVD-RW (VR mode)
DVD-Vide	Description refers to DVD-Video
AVCHD	Description refers to discs with AVCHD files

 Audio CD
 Description refers to Audio CD

 JPEG
 Description refers to discs with JPEG files

😑 Note(s)

- If you do not find any of the symbols Listed above under the function heading, the operation is applicable to all media.
- DVD-RW discs Recorded in VR mode can be recognized in CPRM Version 1.2 only.

Table of Contents

1. INTRODUCTION

Safety Information	
License	4
Maintenance	4
Environmental Care	4
End of life directives	4
Trademark Information	5
Supplied Accessories	5
Symbols Used in this Owner's Manual	5
Functional Overview	8
Features	8
Front Panel	10
Rear Panel	10
Display Message	11
Front Panel Display	11
Remote Control	12

2. CONNECTIONS

C	Connection	14
	Antenna Connection (Required)	.14
	Connecting to a TV Using Video / Audio Cables	.15
	Connecting to a TV Using an HDMI Cable	.16
	Setting for an External Device	.17
	Connection to the Network	.18
	Digital Audio Connection	.19
	Connecting to an External HDD	.20
	External HDD Connection	.20

3. INITIAL SETUP

Before You Start2	2
Finding the Viewing Channel on your TV2	2
Initial Setting2	2

4. VIEWING TV

While Viewing TV	26
Channel Selection	26
Input Selection	
Detailed Information on the Program	
Audio Languages	26
Closed Caption	
CLEAR+	27
Antenna Signal Level	27
Disc Search	
Rec Mode	

5. RECORDING

Information on Recording	28
Registering an External HDD	
How to Insert a Disc	29
Basic Recording &	
One-Touch Timer Recording	29
Scheduled Recording	30
Hints for Scheduled Recording	32
PAUSE TV	33
Dubbing	34
Information on Dubbing	34
Selected Title Dubbing	34

6. PLAYBACK

Information on Playback	.36
Playable Discs and Files	36
Color Systems	36
Region Code	
Guide to a little List	٥٤ حد
HINT FOR HUD / EXTERNAL HUD / DVD Playback.	/د حد
Resume Foint	
Direct Playback	. 31 37
Playback from the Title List	37
Using the Title / Disc Menu	37
Plaving Audio Discs and Picture Discs	37
Special Playback	28
Resume Playback	
Fast Forward / Fast Reverse Playback	38
Variable Skip / Variable Replay	38
Rapid Playback	38
Step by Step Playback	39
Slow Forward / Slow Reverse Playback	39
Title / Chapter Skip	39
Chasing Playback during Recording and	
Simultaneous Playback and Recording	39
Search	39
Title / Chapter Search	39
Track Search	39
Time Search	39
While Playback	39
Switching Audio Languages	39
Switching Closed Caption	39
Switching Subtitles	40
Switching Camera Angles	40
Repeat Playback	40
Reducing Block Noise	40
CLEAR+	40

INTODUCTION

7. EDITING

Deleting a Title	1
Deleting Multiple Titles4	1
Renaming a Title	2
Protecting a Title	2

8. NETWORK

Network Settings	43
Network Server	47
Server Function Setting	47
Viewing a Title Recorded on This Unit	47
Viewing a TV Show Currently on the Air	47
Scheduled Recording for Downloadable Title	48
Downloading a Downloadable Title to a Mobile	9
Device	48

9. SOFTWARE

Software Update	48
Product Information & USB Update	48
Network Update	49
Automatic Check	49
Disc Update	49

10. FUNCTION SETUP

General Settings	50
Video	51
Audio	52
Display	53
HDMI	55
Playback	
Recording	
Others	58
Channel Settings	60
Channel	60
Child Lock	62
Digital Audio Preference	64

11. MEDIA MANAGEMENT

Media Management 6	5
Deleting All Recording Data on the HDD /	
External HDD6	5
Format6	5
Finalize6	5
Renaming External HDD6	5

12. OTHERS

Troubleshooting Error Message	66 .71
Glossary	73
Specifications	74
Language Code	75
LIMITED WARRANTY	76

13. ESPAÑOL

Control remoto	.77
Grabación básica y Grabación de	
temporizador de un toque	78
Grabación programada	78
Consejos para grabación programada	.80
PAUSA DE TV	81
Durante Reproducción	82
Reproducción rápida	.82
Reproducción Simultánea durante Grabación y	
Reproducción simultánea y Grabación	.82
Cambio de Subtítulos	.82
Repetir reproducción	.82
Reducción de Ruido de Bloque	.82
CLEAR+	.82
GARANTÍA LIMITADA	83

Functional Overview

Features

Recording

This unit lets you Record Digital broadcast Programs to the Internal HDD (Hard Disk Drive) or External HDD (USB External HDD hooked up to this unit) or DVD-RW(rewritable) or DVD-R(one-Time write).

HDD EXT. HDD DVD-RW Video DVD-R	/ide
---------------------------------	------

Program Recording

You can Program up to 100 Programs. Also, Daily / Weekly Program mode is available.

One-Touch Timer Recording (OTR)

You can easily set a Recording Time. Every Time **[REC]** is pressed during Recording, the Recording Time will be increased by 15 minutes up to 4 hours. The Recording will automatically Stop when the Recording reaches the Time you set or the Internal HDD or External HDD or disc is full.

Recording from External Device

You can Record from External Device with Input to the Unit using RCA Video/Audio Cables.

MDR868/867H

Simultaneous Recording

You can Record another Title during the current Recording.

HDD

2TB hard disk (MDR868H):

This unit is equipped with a 2TB HDD which allows you to Record Programs for up to a total of 2000 hours (with HD mode).

1TB hard disk (MDR867H):

This unit is equipped with a 1TB HDD which allows you to Record Programs for up to a total of 1000 hours (with HD mode).

500GB hard disk (MDR865H):

This unit is equipped with a 500GB HDD which allows you to Record Programs for up to a total of 500 hours (with HD mode).

PAUSE TV

While watching TV, pressing **[II(PAUSE TV)]** will Start Recording the currently viewed TV Program to the HDD. This function is useful when you temporarily leave the TV. When you return to the TV screen it will show the Paused picture then press Pause TV and it will continue the playback from that point.

EXT. HDD

You can connect an External HDD device (with USB Connection) to this unit. Connect an External HDD with 32GB to 6TB Capacity. (The unit will return an error when an External HDD with less than 32GB is connected.) This unit supports bus-Powered External HDD's.

DVD-RW Video DVD-R Video

Automatic Title Finalizing

You can finalize discs automatically after finishing Scheduled Recordings on the disc or at the End of the disc space if you set this in the Main Menu.

Alternate Recording

In the following cases, the unit will detect the HDD and automatically Record to the HDD even when a DVD is Selected as the Recording Media.

- If there is no Recordable Disc in the unit
- If the Disc does not have enough space to complete the Recording
- If the material to Record is a "copy-once" program and/or a prohibited to Record material on a DVD.
- If the Disc is not available because the Repairing Process was canceled halfway through it

This feature is only available for Scheduled Recording's. Not available for One-Touch Timer Recording's.

Dubbing

You can Dub Titles in the internal HDD, an External HDD and a DVD media.

HDD EXT. HDD DVD-RW Video DVD-R Video

Multiple Title Dubbing

You can Dub up to 36 Titles at once.

Auto Recording mode Dubbing

When Dubbing, if you set the Recording mode to "Auto", the Recording mode will automatically be adjusted so the Titles will fit nicely in the remaining space of the Disc.

	Play	back	
HDD	EXT. HDD	DVD-RW Video	DVD-R Video
DVD-RW VR	DVD-Video	Audio CD	

Quick search for what you want to watch

You can easily find the part you want to watch using the search functions. You can search for a desired Point by Title, Chapter or Time.

Variable Skip / Replay

You can Skip Forward or Backward a certain Time, which is specified in the "Playback" Menu in advance, by simply pressing the \rightarrow SKIP (\blacktriangleright) or $\stackrel{\bullet}{\leftarrow}$ REPLAY (\triangleleft) buttons during Playback.

HDD EXT. HDD

Chasing Playback during Recording and simultaneous Playback / Recording

You can Play the already Recorded part of the current Recording or another Title during Recording.

JPEG

Playback JPEG files

You can enjoy JPEG files which are Recorded on DVD-RW/-R and CD-RW/-R files.

AVCHD

Playback AVCHD files

This unit supports Playback of AVCHD format files (from high definition Video camcorders) Recorded on a Disc. Your high definition personal archive file is playable in HD quality.

Editing

HDD EXT. HDD DVD-RW Video DVD-R Video

Deleting a Title

You may Delete a Recorded Title.

Rename a Title

You can put your favorite name(s) on Titles.

HDD EXT. HDD

Dividing a Title

You can Divide a Title into 2 or more Titles.

Editing a Chapter

You can Divide/Combine/Delete Chapter(s).

Combining Program(s)

You can Combine the Programs.

Protecting a Program

You can protect a Program.

DVD-RW Video DVD-R Video

Editing a Chapter

You can edit Chapter(s). (5/10/15/30/60 minutes)

Compatibility

DVD-RW Video DVD-R Video DVD-Video

Available for Playing Discs on a regular DVD player:

Recorded Discs can be Played on regular DVD players, including computer DVD drives compatible with DVD-Video Playback. For DVD-RW/-R, you need to Finalize the Recorded Discs on this unit to Play on other DVD players.

DVD-RW VR

Available for Playing Discs on this unit:

Finalized DVD-RW VR Discs can be Played on this unit.

Network

MDR868/867H

LAN Terminal / Internal Wireless LAN adapter Connects the LAN terminal or wireless LAN adapter to access the Internet.

MDR868/867H HDD EXT. HDD

Network Server

The free Mobile App enables the Streaming of Titles Recorded on this unit to a Tablet/Smartphone and other Mobile devices.

This Software also allows you to watch TV on a Mobile device when you are in a room without a TV, or download Recorded Titles from the unit to a Mobile device for offline Playback.

For more free Mobile App information, please visit www.magnavox.com

Others

HDMI (High-Definition Multimedia Interface)

You can enjoy High Quality Video/Audio output by connecting this unit to a Display device with an HDMI Input port.

This unit supports fun-Link (HDMI CEC), which allows integrated system control over an HDMI Cable and is part of the HDMI standard. This function may not work properly on some devices.

Closed Caption Decoder

Built-in Closed Caption Decoder Displays Text for Closed Caption supported Programs. (Digital Closed Caption only)

Child Lock

This feature allows you to block children's access to inappropriate Programs.

Choices for On-screen Language

Select your On-screen Language: English, Spanish or French.

Front Panel



1 O STANDBY/ON button

- Press to turn On the unit or to turn the unit into Standby mode.(To completely shut down the unit, you must unplug the AC power cord)
- 2 Disc Tray

3 **A OPEN/CLOSE** button *

- Press to Open or Close the Disc Tray.
- 4 Display window

5 HDD button

- Press to Select the HDD mode or External HDD mode.
- 6 **DVD** button
 - Press to Select the DVD mode.

7 STOP button

Press to Stop Playback or Recording.

8 PLAY button *

• Press to Start Playback or Resume Playback.

9 • RECORD button

- · Press once to Start Recording.
- Press repeatedly to Start the OTR (One-Touch Timer Recording) and set the Recording Time.

10 -/+ CHANNEL buttons

11 AUDIO IN (L2) jacks

Use to connect a TV Monitor, AV Receiver or other devices with a RCA Audio Cables.

12 S-VIDEO/VIDEO IN (L2) jacks

Use to connect a TV Monitor, AV Receiver or other devices with a S-Video Cable or RCA Video/Audio Cables.

13 Infrared sensor window

Receives IR signal from your Remote Control so that you can control the unit from a distance.

(*) The unit can also be turned on by pressing these Buttons.

Rear Panel



1 VIDEO/AUDIO IN jacks

Use to connect a TV Monitor, AV Receiver or other devices with a set of RCA Video/Audio Cables.

2 ANTENNA IN jack

Use to connect an Antenna / Cable Box / satellite Receiver for TV pass through only.

3 Wireless LAN adapter MDR868/867H Use to connect a Wireless LAN Router.

4 AC Power Cord

- Connect to a standard AC outlet to supply Power to this unit.
- Unplug this cord from the AC outlet to completely shut down the unit.

5 LAN terminal MDR868/867H

Use a shielded LAN Cable to connect to a Network device (hub, broadband Router, modem, etc.).

6 USB input

Use to connect an External HDD or USB memory stick with a Software Update file.

7 HDMI OUT jack

Use to connect this unit and the Display with an HDMI Cable.

8 RESET button

To completely shut down the unit, you must go through the hole to push on the RESET Button

9 DIGITAL OUT (OPTICAL) jack

Use to connect to another External device with a Digital Audio Optical Input jack with the Digital Audio Optical Cable.

10 ANTENNA OUT jack

Use to connect an RF Coaxial Cable to pass the signal to the ANTENNA IN on your TV.

11 VIDEO/AUDIO OUT jacks

Use to connect a TV/Monitor, AV Receiver or other devices with a set of RCA Video/Audio Cables.

INTODUCTION

Display Message : Appears when a disc is loaded on the Disc : Appears when the : Appears when the a d d Disc Tray is Opening. Disc Tray is closing. Tray or checking for a disc on the Tray. : Appears when the : Appears when the : Appears when the External Input is L1. External Input is L2. External Input is L2-S.







Т

С

: Appears in the afternoon with the Clock Display. (Nothing appears in the morning.)

2 Title/track/file and Chapter mark

- :Appears when indicating a Title/track/file number.
- : Appears when indicating a Chapter number.

3 Current status of the unit

- Appears when Playback is paused.
 - Appears when Playing an HDD, External HDD or disc.



: Appears when the Scheduled Programming or OTR has been set and is proceeding.

Entire Display : Flashes when Scheduled Programming was not executed because of some error.



: Appears during Recording process.



DR

HDD

: Flashes when a Recording pauses.



: Appears when a disc is in this unit.

: Appears during Dubbing.

: Appears when the unit is in HDD mode or External HDD mode.

DVD : Appears when the unit is in DVD mode.

4 Displays the following

- Elapsed Playback Time
- Current Title / Chapter / track / file number
- Recording Time / remaining Time
- Clock
- Channel number
- Remaining Time for One-Touch Timer Recording

: Appears when another Remote Control Code is being received.

号 Note(s)

- Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.
- This unit does not have an RF modulator.
- Do not connect any devices other than the External HDD or the USB memory stick into the USB input.
- USB memory stick can be used only for a Software Update. (USB card reader, MP3 player, Digital camera, PC, keyboard, mouse, etc. cannot be used.)
- When connecting an External HDD or USB memory stick, connect it directly to the USB input. Do not use a USB extension Cable.
- Make sure to Power-Off this unit and the External HDD before disconnecting the External HDD.

Remote Control



(*) The unit can also be turned on by pressing these Buttons.

1 (Power-ON) button

• Press to turn On the unit or to turn the unit into Standby mode. (To completely shut down the unit, you must unplug the AC power cord)

2 TITLE button

- Press to Display the HDD/EXT HDD Title List.
- Press to Display the DVD Disc Menu. Select "Top Menu" or "Menu".

3 ▲/▼/◀/► (Cursor) buttons

Press to Select items or settings.

CREPLAY (◀) button

\rightarrow **SKIP** (\blacktriangleright) button

 During Playback, press to Skip or rewind for a certain amount of Time as long as they are pressed.

4 **SACK** button

Press to return to the previously Displayed Menu or screen.

5 AUDIO button

- Press to Switch to the Audio Language for TV.
- Press to Display the Audio Menu during Playback.

6 DISPLAY button

• Press to turn the Display Menu on or off.

7 **4** (Reverse) button

• During Playback, press to Fast Reverse the Playback.

8 (Previous) button

• During Playback, press I◀◀ to return to the beginning of the current Chapter and then press I◀◀ as needed to go back to previous Chapter(s).

9 🔳 (Stop) button

Press to Stop Playback or Recording.

10 Number buttons

- Press to Select Channel Numbers.
 - Press to enter the Numbers and the Letters.

• (Dot) button

• Press the dot and minor number buttons to Select the minor part of the Digital Channel selection using number and dot buttons [e.g. $6 \rightarrow . \rightarrow 1 = Ch \ 6.1$].

11 CLEAR button

• Press to Clear the information once entered.

12 HDD/EXT.HDD button

Press to Select the HDD mode or External HDD mode.

13 🔺 (Open/Close) button *

• Press to Open or Close the Disc Tray.

14 HOME button

• Press to Display the Home Menu.

15 MENU button

• Press to Display the Sub Menu.

16 OK button

Press to confirm or determine the Selected item in the Menu.

17 [> EXIT button

• Press to Exit from the various Screen or Windows.

18 INFO button

Press to Display Information about the Current Program.

19 SOURCE button

• Press to Select the TV or appropriate Input.

20 ► (Play) button *

- Press to Start Playback or Resume Playback.
- 21 **>>** (Fast Forward) button
 - During Playback, press to Fast Forward the Playback.

22 Image: 22 (Next) button

• During Playback, press to Skip to the Next Chapter.

23 II (Pause) PAUSETV button

- Press to Pause Playback or Recording.
- During watching Live TV, press to Start Recording, then press again to Play from the beginning of Recording.

24 CH +/- buttons

- Press to change the Channel Up or Down.
- Press to move Pages Up or Down.

25 SCHEDULE REC. button

Press to Display the Scheduled Programming List.

26 REC button

- Press once to Start Recording.
- Press repeatedly to Start the OTR (One-Touch Timer Recording) and set the Recording Time.

27 DVD button

• Press to Select the DVD mode.

ΕN

Installing the Batteries in the Remote Control

Install 2 AAA (1.5V) batteries matching the polarity indicated inside battery compartment of the Remote Control.

÷

<table-cell-rows> Note(s)

Incorrect use of batteries can result in hazards such as leakage and bursting. Please observe the following:

- Lithium or ni-cad and ni-mh rechargeable batteries are not recommended to use for Remote Control.
- Do not mix different types of batteries such as alkaline and standard (carbon-zinc).
- Do not mix new and old batteries together.
- Do not use different kinds of batteries together.
 Although they may look similar, different batteries may have different voltages.
- Make sure that the + and Ends of each battery match the indications in the battery compartment.
- Remove batteries from battery compartment that is not going to be used for a month or more.
- When disposing of used batteries, please comply with governmental regulations or environmental public Instruction's rules that apply in your country or area.
- Do not recharge, short-circuit, heat, burn or disassemble batteries.

Using the Remote Control

Keep in mind the following when using the Remote Control

- Make sure that there are no obstacles between the Remote Control and the infrared sensor window on the unit.
- You need to set both the unit and the Remote Control to the same Code. (The default setting for the Remote Control is "Code1") Refer to page 58 for more information on Remote Control Code.
- Remote operation may become unreliable if Strong sunlight or fluorescent light is shining on the infrared sensor window on the unit.
- Remote Controls for different devices can interfere with each other. Avoid using Remote Controls from other devices which are located Close to the unit.
- Replace the batteries when you notice a fall off in the operating range of the Remote Control.
- The maximum operable ranges from the unit are as follows.
 - Line of sight: approx. 23 feet (7m)
 - Either side of the center: approx. 16 feet (5m) within 30°
 - Above: approx. 16 feet (5m) within 15°
 - Below: approx. 10 feet (3m) within 30°



号 Note(s)

- If using a universal remote, please check for any additional remote Code or contact the manufacturer for additional assistances.
- Cannot guarantee about third party's Remote Controls. Please contact the remote manufacturer if you have any problem with it.
- To check if the Remote Control is working please check on Page 4.

2. CONNECTIONS

Connection

Read this first:

- 1. Disconnect the AC Power cords on this unit, TV and other devices from the AC outlet.
- 2. Make the Connections as illustrated below.
- 3. After making all the Connections, connect the AC Power cords on the devices.

Antenna Connection (Required)



Caution

Do not use a tightening tool when connecting a F-type Coaxial Cable connector to this unit.
 If the Coaxial Cable is connected too tightly using a tightening tool, the Antenna input Jack may be damaged.

😑 Note(s)

- For your safety and to avoid damage to the device, please unplug the RF Coaxial Cable from the ANTENNA IN/OUT jack before moving the unit.
- · Outdoor or attic Antennas will be more effective than Set-top indoor versions.
- ANTENNA OUT jack is for TV pass through only.
- HDD/External HDD Playback through the RF is not supported.

Supplied Cables used in this Connection are as follows:

RF Coaxial Cable x 1

Please purchase the rest of the necessary Cables at your local store.



Supplied Cables used in this Connection are as follows:

- RF Coaxial Cable x 1
- RCA Audio (L/R) Cables x 1
- RCA Video Cable x 1
 Please purchase the rest of the necessary Cables at your local store.

CONNECTIONS

Connecting to a TV Using an HDMI Cable

- HDMI outputs the Digital Video/Audio signals without converting to them to Analog signals.
- No Audio connection is required as Digital Audio is sent through the HDMI cable.
- High speed HDMI Cable (also known as HDMI category 2 Cable) is recommended for better compatibility.
- Use an HDMI Cable with the HDMI logo (a certified HDMI Cable) for this Connection.
- Refer to 'HDMI Video Resolution' on page 55 for setting the HDMI Video Resolution.



Supplied Cables used in this Connection are as follows:

RF Coaxial Cable x 1

Please purchase the rest of the necessary Cables at your local store.

😑 Note(s)

- · Some devices with an HDMI input may not operate properly with this unit.
- When using an HDCP-incompatible Display device, the image will not be viewed properly.
- The Audio signals (including the sampling frequency, the number of Channels and bit length) from the HDMI connector may be limited by the device that is connected.
- When this unit's HDMI connector is connected to a DVI-D compatible Monitor (HDCP compatible) with an HDMI-DVI converter Cable, the signals are output in Digital RGB.
- When a Power failure occurs or when you unplug the unit, some problems with the HDMI setting might occur. Please check and set the HDMI setting again.

CONNECTIONS

Setting for an External Device

Connect the external device properly to the unit by using either L2 and L2-S (Front) or L1 (Rear) input jacks. When connecting an external device with a monaural output to this unit, use AUDIO L jack L2 (Front) or L1 (Rear). Use S-Video or the RCA Video/Audio Cables for this Connection.

Connecting to an External Device Using the RCA Video/Audio Cables



Supplied Cables used in this Connection are as follows:

- RCA Audio (L/R) Cables x 1
- RCA Video Cable x 1
 - Please purchase the rest of the necessary Cable at your local store.

Connecting to an External Device Using an S-Video and the Audio Cables



[MDR868/867H above w/LAN connector]

Supplied Cables used in this Connection are as follows:

• RCA Audio (L/R) Cables x 1

Please purchase the rest of the necessary Cable at your local store.

😑 Note(s)

Connect this unit directly to the TV. If the Video / Audio Cables are connected to a DVD Player or VCR, then the pictures
may be distorted due to the Copyright Protection System.

Connection to the Network

By connecting this unit to the Internet, you can Update the Software via the Internet and access Network services.

<table-cell-rows> Note(s)

- For a stable Connection, Wired Connection is recommended when using the following Features.
 - (Using following Features with Wireless LAN Connection can be affected by other devices using Radio Frequencies.) Video Streaming Services
 - Network Update
- After you made a Wired or a Wireless LAN Router Connection, set up necessary Network settings. (For Network setting of Wired Connection, refer to 'Network Settings' on page 43.)
- Please purchase shielded LAN cables at your local store and use them when you connect to network equipment.

Wired Connection



😑 Note(s)

- If your modem does not have Router functions, connect a Wired Router.
- If your modem has Router functions but there is no vacant port, add a hub.
- For a Wired Router, use a Router which supports 10BASE-T / 100BASE-TX Ethernet standard.

Wireless LAN Ruter Connection



Caution

- Do not insert any Cable other than a LAN Cable to the LAN terminal to avoid damaging the unit.
- Do not connect your PC directly to the LAN terminal of this unit.

🖶 Note(s)

- For a Wireless LAN Router, use a Router which supports IEEE 802.11 a/b/g/n. ("n" type is recommended for stable operation of the Wireless LAN Network.)
- Set the Wireless LAN Router to infrastructure mode. This unit does not support ad-hoc mode.
- Other radio devices or obstacles may cause interference to the Wireless LAN Network Connection.

Digital Audio Connection

HDMI Audio Connection

AV Receiver / Amplifier with an HDMI Input jack



Refer to page 52 to set up "Audio".

Audio format (Disc)	Dolby Digital Setting on this Unit	HDMI
Dolby Digital	PCM	2 Channel PCM
	Auto	Dolby Digital
L DCM	PCM	2 Channel BCM
LFCM	Auto	2 Channel FCM

Actual Output

Audio format (Disc)	DTS Setting on this Unit	HDMI
DTS	On	DTS
	Off	Mute
	On 2 Chapped PCM	
LFCM	Off	2 Channel FCM

Actual Output

Cables not supplied.

Please purchase the necessary Cables at your local store.

🖶 Note(s)

- The Audio Source in a Dolby Digital multi Channel Surround Format cannot be Recorded as Digital Sound by an MD or DAT deck.
- By connecting this unit to a Dolby Digital Decoder, you can enjoy high-quality Dolby Digital multi Channel Surround Sound as in Movie theaters.
- Playing back a Recorded Title using incorrect Digital Audio settings may generate noise distortion and also damage speakers.

2 Channel Analog Audio Connection



Supplied Cables used in these Connections are as follows:

• RCA Audio (L/R) Cables x 1

Connecting to an External HDD

Rear of this unit [MDR868/867H below w/LAN connector]



🖶 Note(s)

- External HDD Registration screen will appear if you connect an unregistered External HDD to this unit. Please Select "Yes" using [
 I, then press [OK]. Move on to Step 2 in 'Registering an External HDD' on page 20.
- Do Not turn Off the unit or Unplug any Cable while the External HDD is operating. Doing so causes a Malfunction of the External HDD.
- For a self-powered External HDD, make sure to turn Off the External HDD when Connecting it to the unit or Disconnecting it from the unit.

After turning Off the unit, make sure All the LED Indicators on the unit's front panel are Off.

- Turning Off the unit or Disconnecting the External HDD while Operating the unit causes Data Loss and Malfunction.

External HDD Connection

If you wish to use an External HDD, connect an External HDD to this unit and Register it. The External HDD is not ready to use until it is Registered.

Before Connecting an External HDD

External HDD can Record Digital TV Programs, which this unit receives, and Plays the Recorded Titles just like the Internal HDD does. (Refer to the External HDD's Manual as well.)

- If connecting an External HDD that has been used on another Device (HDD Recorder / TV / PC) to this unit, ALL Stored Data on the External HDD will be DELETED due to necessary Initialization in this unit's Unique Formatting,
- In order to use the External HDD (which has been connected to this unit), on a PC, the External HDD will need to be Initialized (reformatted) on the PC. Note that ALL stored Data on the External HDD will be DELETED.
- Stored Titles Recorded on the External HDD with this unit can Only be Played on this unit. Other HDD Recorders or PC's are not compatible.

Registering an External HDD

If you connect an unregistered External HDD with 32GB to 6TB, this unit automatically Detects it and prompts you to Register the External HDD with the unit.

😑 Note(s)

- ALL Stored Data on the External HDD will be DELETED due to necessary Initialization in this unit's Unique Formatting.
- You can Register up to 8 External HDDs.
- Press [HOME], then Select "Media Manager" → "USB-HDD Menu" → "Register External HDD Setting" using [▲/▼/◀/▶], then press [OK].
 - External HDD Registration screen will appear.
- 2 Select any "(unregistered)" row using [▲/▼], then press [OK].

External HDD3. (Unregistered)

3 Select "Register External HDD in this device" using [▲/▼], then press [OK].

• Confirmation message will appear twice. If you agree, Select "Yes" using **[◀/▶]**, then press **[OK]**. Formatting will Start. Wait until formatting is completed.

4 Select to change the External HDD name or not.

- If you would like to change the External HDD name, Select "Yes" using [◀/▶], then press [OK]. Move on 'Renaming External HDD' on page 65.
- If you do not want to change the External HDD name, Select "No" using [◀/▶], then press [OK].

Unregistering an External HDD

- Press [HOME], then Select "Media Manager" → "USB-HDD Menu" → "Register External HDD Setting" using [▲/▼/◀/▶], then press [OK].
 - External HDD Registration screen will appear.
- 2 Select an External HDD to unregister using [▲/▼], then press [OK].
 - Confirmation Window will appear:
- 3 Select "Deregister USB-HDD"HDD" using [▲/▼], then press [OK].
 - Confirmation Message will appear:
- 4 Select "Yes" using [▲/▼], then press [OK].
- 5 Confirmation message will appear again. Select "Yes" using [▲/▼], then press [OK].
 - Unregistration will be completed. Press [G+(EXIT)] to Exit.

<table-cell-rows> Note(s)

• After Deregistration of External HDD, all Recorded Titles in the External HDD cannot be Played back.

Disclaimer

- We are not responsible for any damages or injury caused by fire, natural disaster (including earthquakes, lightning strikes, etc.), misuse, or use under abnormal circumstances.
- We are not responsible for any indirect damages from use of this unit or malfunction of this unit.
- We are not responsible for any damages caused by not following the Instructions in the Owner's Manual.
- We are not responsible for any damages from system malfunctions caused by use of an unauthorized third party's device, Software or a combination of these.

Important Notes for the HDD and External HDD's

- This unit is equipped with an Internal HDD.
- An External HDD can be used by Connecting it to this unit.
- HDD's are susceptible to damage from conditions, such as impact shock, vibration, and temperature changes. To avoid losing Stored Data, be careful to not do the following:
 - Do not vibrate or send shock waves to the HDD.
 - Do not use this unit on an unstable or moving surface.
 - Place this unit on a level surface. For the External HDD, place it as the manufacturer advises.
 - Do not block the cooling vents on the bottom or rear panel on this unit.
 - Do not use this unit in places where the temperature is extremely high or fluctuates greatly.
 - Do not unplug the AC Power cord while this unit is On.
 - Do not Unplug the AC Power cord or Turn Off the Circuit Breaker while this unit is Recording or Playing. Before Unplugging the AC Power cord, first follow the procedure **Protecting a Title** page 42, then Start Shutting Down the unit, wait until this unit has Finished its Shutdown Procedure, confirm that it is Completely Shut Down, then Unplug the AC Power cord.
 - We are not responsible for Data loss due to impact shock, vibration, false operations, malfunction or unauthorized repair of this unit.
- HDD's have numerous mechanical parts inside and are highly precise and fragile, similar to PC's; there is a possibility that a partial breakdown could occur, resulting in Data reading / writing becoming impossible. Therefore, the HDD should be considered a temporary storage device until viewing the Recorded Titles.
 If a Recording is attempted on a partially-broken area on the HDD, block-noise in the picture or distorted sound may occur. If the HDD is continuously used in this condition, the symptoms may become severe, and in the End, the entire HDD may become unusable. If such symptoms appear, please contact the service as soon as possible for maintenance or repair.

3. INITIAL SETUP

Before You Start

Finding the Viewing Channel on your TV

After you have completed all of the Connections to your TV, review the steps below.

- 1 Press [((Power-ON)] to turn On the unit.
- 2 Turn On your TV.
- Find the button on the TV's Remote Control that accesses the External Source Input. (The button may be labeled 'Source', 'Input' or 'Select'. Refer to your TV's Owner's Manual.)
 Press that Button repeatedly until you see

the welcome screen on the TV screen.

- If you see the welcome screen, that is the correct viewing Source input associated with this unit's output. Make sure to always Select this Source input on your TV when using this unit.
- If the TV is connected using an HDMI Cable, it may take a few moments until the welcome screen appears.

Initial Setting

Please follow the Instructions below to complete the Initial Setting.

1 While the Welcome screen is Displayed, Select "Next", then press **[OK]**.

This unit is ready for initialization. Please follow the on-screen instructions.
Next
Net Sup

- 'Language Selection' screen will appear.
- In Initial Setting, pressing [→ (BACK)] lets you go back to the previous screen.
- If you would like to Skip the Initial Setting, Select "Skip".

Language Selection

2 Select your Language using [▲/▼], then press [OK].



• 'Antenna' screen will appear.

Antenna

- 3 Select "Antenna" or "Cable" using [▲/▼], then press [OK].
 - Select "Antenna" for Over-the-Air Broadcasting. Select "Cable" for Cable television. Then, Channel scan will begin.
 - Select "Skip" if you would like to Skip this setting. Please move on to 'Time Zone'.



 If you would like to Stop scanning, Select "Back" by pressing [OK].

4 Press [OK] when finished.

· 'Antenna Out' screen will appear.

Antenna Out

- 5 Select "Old" or "Off" using [▲/▼], then press [OK].
 - If set to "On", this unit will passthrough the RF Antenna Signal when the Power is Off (Standby) mode. Power Consumption is higher. If you connect the RF to another device, it is recommended to set it "On".

If set to "Off", this device does not Passthrough the Antenna Signal in the Power Off (Standby) mode

'Time Zone' screen will appear.

Time Zone

6 Select your Time zone using [▲/▼], then press [OK].



Ti	me adjustment for each Time zone
Atlantic	GMT(Greenwich Mean Time) - 4 hours
Eastern	GMT(Greenwich Mean Time) - 5 hours
Central	GMT(Greenwich Mean Time) - 6 hours
Mountain	GMT(Greenwich Mean Time) - 7 hours
Pacific	GMT(Greenwich Mean Time) - 8 hours
Alaska	GMT(Greenwich Mean Time) - 9 hours
Hawaii	GMT(Greenwich Mean Time) - 10 hours

• 'Daylight Saving Time' screen will appear.

Daylight Saving Time

7 Select "Old" or "Off" using [▲/▼], then press [OK].

- If you Select "Old", time will move forward one hour on the second Sunday in March and move back one hour on the first Sunday in November.
- · 'Clock Setting' screen will appear.

Clock Setting

8 Select "Auto Clock Setting" or "Manual" using [▲/▼], then press [OK]

- If you Select "Auto Clock Setting", Select a Channel for using Auto Clock, then press **[OK]**. Auto Clock will Start, When Auto Clock finishes, then press **[OK]**.
- If you Select "Manual", enter 'Month' / 'Day' / 'Year' / 'Hour' / 'Minute' and Select "AM" or "PM" using [▲/▼/◀/▶], then press [OK].
- 'Network Connection' screen will appear.
 If your unit is "MDR865H", 'fun-Link (HDMI CEC)' screen will appear. Move on to 'fun-Link (HDMI CEC)' on page 25.

Network Connection

MDR868/867H

If you would like to proceed with the Network Connection setting, perform this setting. If you would like to Skip this setting, Select "No" using **[▲/▼]**, then press **[OK]**. Move on to "fun-Link (HDMI CEC)' screen will appear.' on page 25.

9 Select "Yes", then press [OK].

- Selecting "Yes" increases the Power Consumption than Selecting "No", when the Power is Off in Standby mode.
- 10 Select "Wired" or "Wireless" using [▲/▼], then press [OK].



A For Wired Connection

Connection test will Start automatically.

- Select "Auto". After Connection test, the test result will be Displayed. Press [OK].
 - · Please move on to 'Network Function' on page 25.
 - If you Select "Manual", refer to 'Manual' on page 43.

B For Wireless Connection

Select "Auto Scan", "Manual" or "Easy Connect" using **[**▲/▼**]**, then press **[OK]**.

Auto Scan	This Setting automatically searches for Wireless Networks.	→ a
Manual Easy Connect	Select this Setting if you wish to Configure the Wireless Networks manually.	• 🖯
	Select this Setting if your Wireless Router has a PBC button*1. It is the easiest way to set up a Wireless Connection. If it fails, try "Easy Connect" again.*2	→ C

- *1 PBC (Push Button Configuration) button may be the Button's name that your Router uses. If not then refer to the Router's Manual for more details.
- *2 If it continuously fails, then refer to the Router's Manual for more details.

a "Auto Scan" Method

- AP (Access Point) List will appear.
- Select an AP to which you would like to connect this unit using [▲/▼], then press [OK].
 - If you Select an AP which does not support TKIP, a Security Key Entry screen will appear. Enter the Security Key using the On-screen Software Keyboard.
 - Follow the On-screen Instructions.
 - For details on how to use the Software Keyboard, refer to 'Guide to the Software Keyboard' on page 25.

- After the Connection Test, the test result will be Displayed.Press [OK].
 - Please move on to 'Network Function' on page 25.

b "Manual" Method

- SSID Input Screen will appear.
- 1. Enter the SSID using the On-screen Software Keyboard.
 - Security mode Select screen will appear.
- 2. Select a Security mode :
 - "None" or "AES+TKIP" or "WEP" .
 - Security Key Input Screen will appear.
- Enter a Security Key using the On-screen Software Keyboard.
 - Connection test will Start automatically.
- After the Connection test, the test result will be Displayed. Press [OK].
- 5. Please move on to 'Unit Name' on page 25.

C "Easy Connect" Method

Push Button Method

- 1. Select "Push Button Method".
- Press the PBC button on your Wireless Router.
 Connection test will Start automatically.
- 3. After Connection test, the test result will be Displayed. Press [OK].
 - Please move on to 'Network Function' on page 25.

PIN Code Method

- 1. Select "PIN Code Method".
- Select an AP to which you would like to Connect this unit using [▲/▼], then press [OK].
- PIN Code will appear On-screen, then Input the Code into AP.
 - · Refer to the Router's Manual for Inputting PIN Code.
 - Connection test will Start automatically.
- After Connection test, the test result will be Displayed. Press [OK].
 - Please move on to 'Network Function' on page 25.

号 Note(s)

- "Easy Connect" method is only available when your Wireless Router supports it. For details, please refer to the Owner's Manual of your Wireless Router.
- If more than 64 AP's are found, a Confirmation message will appear, then the Screen goes back to the AP List.
- Connection test will automatically Start when you Select an AP that does not have an Authentication Method.

MDR868/867H

- 11 Select "Use" or "Do Not Use" using [▲/▼], then press [OK].
 - If you Select "Use", "Standby Setting" will be "Normal Standby" automatically. 'Unit Name' screen will appear.
 - If you Select "Do Not Use", please move on to 'fun-Link (HDMI CEC)'.

Unit Name

MDR868/867H

- 12 Select "Yes" or "No" using [▲/▼], then press [OK].
 - If you Select "Yes", Unit Name Input Screen will appear.
 Enter the new Unit Name using the On-screen

Software Reyboard.

- If you finish entering the Unit Name, press **[OK]**.
- "fun-Link (HDMI CEC)' screen will appear.' screen will appear.

fun-Link (HDMI CEC)

When this unit and TV are connected via HDMI Cable, it is possible to use the fun-Link(HDMI CEC) function. This function may not work properly depending on the TV connected to this unit.

13 Select "Yes" or "No" using [▲/▼], then press [OK].

- If you Select "Yes", "Standby Setting" will be "Normal Standby" automatically.
- 'Standby Setting' screen will appear.

Standby Setting

14 Select "Normal Standby" or "Energy Saving Standby" using [▲/▼], then press [OK].

 If you Selected "Yes" for "'fun-Link (HDMI CEC)' screen will appear.' screen will appear.' the unit is in "Normal Standby" mode where the unit Starts Faster than "Energy Saving Standby".
 "Normal Standby" will increase the Power

Consumption when the Power is Off in Standby mode.

- If you did not select "'fun-Link (HDMI CEC)' screen will appear.' screen will appear.' then you can select "Normal Standby or "Energy Saving Standby", where HDMI CEC and Network Functions (never available in MDR865H) will be not available. "Energy Saving Standby" will reduce the Power Consumption during Standby mode rather than "Normal Standby".
- 'FL Dimmer' screen will appear

FL Dimmer

15 Select a desired item using [▲/▼], then press [OK].

Auto	Front Panel Display gets Darker when the unit turned Off.
Bright	Front Panel Display gets Brighter.
Dark	Front Panel Display gets Darker.
Off	In Power-On mode, panel lighting in On
	In Standby mode, panel lighting is Off.

· 'Exit' screen will appear.

Exit

16 Select "Completed" using [▲/▼], then press [OK].

"Initial Setting" is finished.

Guide to the Software Keyboard

- 1. Press [the Number buttons] Repeatedly to enter the Desired Character.
- If a Desired Character is the same button as the Previous Character, press [▶ (Cursor)], then press the same button.

Seneral Settings	Enter the Name of this u	nit to display		
Video	Topostau		tting	
Audio	MORBOTH		e	
Display	1 @# 2 4	20 2 DEE		
HDMI	1 Jey Z PA	3 DEF		
Playback	4 GHI 5 JH	KL 6 MNO		
Recording				
Network	7 PQRS 8 TL	JV 9 WXYZ		
Others	() SP/	ACE		
Setting the Light neg	INFO 123/ABC	CLEAR Delete		
octing ne onit not	OK ok	🗂 Back		

- To change the Number Set, press **[INFO]**. To change the Character Set, press **[INFO]**.
- To Delete Characters, press [CLEAR]
- 2. When you finish entering Numbers, Letters and Characters, then press **[OK]**.

😑 Note(s)

- In Character Set, the Number 1 pushed Repeatedly can be used to Input the following Symbols,

4. VIEWING TV

While Viewing TV

Channel Selection

Select a Channel using **[CH +/-]** or **[the Number buttons]** on the Remote Control.

Using [CH +/-]

Press **[CH +]** and **[CH -]** to Switch up and down through the memorized Channels.

Using [the Number buttons]

Press **[0]** - **[9]** and **[.]** to go directly to a Channel. Enter the Main and Sub-Channel Numbers using **[the Number buttons]** to Select a Channel.

 For 1-digit Main Channel number + Sub-Channel number
 e.g.) 2.1 ch:
 [2] + [.] + [1]

 For 2-digit Main Channel Numbers + Sub-Channel number
 e.g.)
 35.1 ch:
 [3] + [5] + [.] + [1]
 [4]

Input Selection

You can Switch the appropriate Input.

Using [SOURCE]

Press **[SOURCE]** to Display the current Input Source. Then press **[SOURCE]** Repeatedly to Select a desired Input Source.

Detailed Information on the Program

You can check the information on the TV Program that is currently On-Air.

1 Press **[INFO]** while viewing a TV Program.



1. Channel number / Broadcast station

- 2. Program Title
- 3. Sound Mode
- 4. Audio Language

(Indicates the Language currently Selected.)

- 5. Program Rating
- 6. Closed Caption

(Indicates the Program being broadcast has Closed Captioning available.)

<table-cell-rows> Note(s)

- In some cases, DTV Closed Caption function on the unit may not work even when the Closed Caption Icon is Displayed. In such case, check the Closed Caption setting on your TV (Only if the unit is connected to a TV with the RCA Video / Audio Cables).
- The Display will automatically disappear in 20 seconds.

Audio Languages

You can Switch Audio Language while viewing a Digital TV Program.

- 1 Press [AUDIO] while viewing a TV Program.
 - Available Languages will be Displayed.

2 Select a Language using [▲/▼], then press [OK].

• Available Languages will vary depending on the TV Program.

Closed Caption

Closed Captioning Displays the Audio voice of the TV Program as Text superimposed on TV screen.

For TV Programs, refer to 'Caption Settings' on page 53 to configure further settings beforehand.

- 1 Press [MENU] while viewing a TV Program.
 - Sub Menu window will appear.
- 2 Select "Closed Caption" using [▲/▼], then press [OK].
- 3 Select "Old" or "Off" using [▲/▼], then press [OK].

CLEAR+

Enhance the contrast of the picture and makes edges crisp. This feature is enabled only when the output from the HDMI terminal in the 1080i / 1080p

- 1 Press [MENU] while viewing a TV Program.
 - Sub Menu window will appear.
- 2 Select "CLEAR+" using [▲/▼], then press [OK].
- 3 Select "Old" or "Off" sing [▲/▼], then press [OK]

Antenna Signal Level

Display the Signal Level of the Antenna.

- Press [MENU] while viewing a TV Program.
 - Sub Menu window will appear.
- 2 Select "Antenna Signal Level" using [▲/▼], then press [OK].
 - Antenna Signal Level screen will appear.
 - After checking, press [(BACK)] to Exit.

Disc Search

When you Play the disc, you can Play it by specifying the number.

- When you view a TV Program, you can Play the below disc by specifying the number.
 - DVD-Video / DVD-RW/-R(VR)
- Press [MENU] while viewing a TV Program.
 - Sub Menu window will appear.
- 2 Select "Disc Search" using [▲/▼], then press [OK].
 - Disc search screen will appear.
- 3 Enter the number using [▲/▼] or [the Number buttons], then press [OK].
 - Playback will Start from the specified number.

号 Note(s)

You cannot Select "Disc Search" when:

- This unit is not in DVD mode.
- You don't insert a disc in this unit.

Rec Mode

You can Switch a Recording mode.

- Press [MENU] while viewing a TV Program.
 - Sub Menu window will appear.
- 2 Select "Rec Mode" using [▲/▼], then press [OK].
 - Input Select window will appear.
- 3 Select a desired Recording mode using [▲/▼], then press [OK].

For HDD/ External HDD:

Recording Mode	Video/Sound Quality				
DR	***	(best)			
FHD1	***				
FHD2	☆☆☆				
HD	**				
SD	☆	(good)			

For DVD:

Recording Mode	Video/Sound Quality			
HQ	☆☆☆☆☆ (best)			
SP	***			
LP	2			
EP	**			
SLP	(good)			

5. RECORDING Information on Recording

Before you make a Recording, read the following Information.

Recording Media

Internal HDD, External HDD (not supplied) and DVD.

Recording Mode

• The Recording Time is only an estimate. The actual Recording Time may differ with the remaining Time Displayed on the TV screen.

🖶 Note(s)

- You can only Record Digital TV Programs (Video and Audio).
- This unit cannot Record Analog Broadcasting, (Analog Broadcasting via Cable Box is also not usable.)

Maximum Recordable Titles/Chapters

	Titles	Chapters
HDD	2,000	999
External HDD	2,000	999
DVD	99	99

About HDD (Internal HDD)

HDD is a special device which has high Recording density and is suited for long-Time Recording or high-speed cueing but by contrast it has many factors which can cause breakage. Use HDD on the assumption that you should Dub the Recorded Programs to an External HDD or DVD to protect your precious Videos.

HDD is a Temporary Storage Device:

HDD is not a permanent storage device of the Recorded contents. Be sure to use it as a temporary storage device until you watch the Programs once, edit them or Dub them to a DVD.

Be sure to Dub (back up) Data Promptly if you find Abnormalities in the HDD:

If there is mechanical trouble with the HDD, grinding or other sounds may be heard or block noise may appear on the image. If you continue to use as it is, deterioration may continue and eventually the HDD may not be usable at all. If you notice these symptoms of a failing HDD, promptly Dub the Data to a DVD or External HDD. When an HDD fails, recovery of Recorded content (Data) may be impossible.

About the Remaining Capacity of HDD Recording Time:

The On-screen indication of the possible Recording Time left on HDD/External HDD / DVD may differ from the actual Recordable Time as this unit employs the variable bit rate encoding system which varies the Recording (storage) amount of Data in conformity with the amount of information on the Video.

Before Recording to the HDD, ensure there is Sufficient Space on the HDD by Deleting unnecessary Titles in advance.

About External HDD

The Registered External HDD can be used in the same manner as the internal HDD.

 Recording / editing on write protected External HDD is not possible.

About DVD

Recordable Discs

This unit can Record to DVD-RW/-R. DVD-R can only be Recorded to once. DVD-RW can be Recorded to and erased many Times.

Logos		Attributes
		12cm, single-sided, single layer disc Approx. max. recording time (SLP mode): 480 minutes
DVD-RW	DVD-R	(4.7GB)(for 12cm)

 The following discs are recommended for good Recording quality and are proven to be compatible with this unit.
 However, depending on the media condition the unit may not read the disc properly.

Verbatim	DVD-R 8x,	DVD-RW 2×
JVC	DVD-RW 4x	
Maxell	DVD-R 8x/16x	

Performance of any other discs are not guaranteed.

Unrecordable Discs

- DVD-RW Recorded in the non compatible Recording format is not Recordable.
- DVD-RW/-R Recorded in VR mode is not Recordable on this unit.

🕞 Note(s)

- This unit cannot Record to CD-RW/-R.
- DVD-RW/-R and CD-RW/-R Recorded on a personal computer or a DVD or CD Recorder may not be Played back if the disc is damaged or dirty or if there is condensation on the player's lens.
- If you Record a disc using a personal computer, even if it is Recorded in a compatible format it may not be Played back because of the settings of the application Software used to create the disc. (Check with the Software publisher for more detailed information.)
- Since the Recording is made by the VBR (variable bit rate) method, depending on the picture you are Recording, the actual remaining Time for Recording may be a little shorter than the remaining Time disPlayed on the TV screen.
- You cannot Record a copy-protected Program using this unit. (Copy-protected signal is included on VCR tapes, DVD-Video, some satellite and Cable broadcasts.) Please contact your Programming provider for type of copy protection applied to Programs.
- · You cannot Record "copy-once only" Program's on DVD.

Before Recording

Registering an External HDD

If you would like to make a Recording to an External HDD, you need to Register the External HDD with this unit beforehand. (Refer to 'External HDD Connection' on page 20.)

How to Insert a Disc

- Press [▲ (Open/Close)] to Open the Disc Tray.
- 2 Replace the disc on the Disc Tray with its labal side facing up.



- 3 Press [▲ (Open/Close)] to Close the Disc Tray.
 - It may take a while to load the disc Data after the Disc Tray Closes.

To eject the disc:

 Press [(Open/Close)] to Open the Disc Tray, then remove the disc.

🖶 Note(s)

 When inserting a brand-new DVD-RW disc, confirmation window will appear. If you Select "Yes" twice, the unit will Start to Initialize the disc. DVD-RW disc will be formatted Video mode.

Basic Recording & One-Touch Timer Recording

Follow the steps below to Record a TV Program.

😑 Note(s)

• When Playback of a Recorded Program is blocked by the Child Lock, a message appears on the TV screen. In such Cases, check the Child Lock (V-Chip) Setting. (Please refer to page 62 for more details.)

1 Select a Media to Record .

- If you would like to make a Recording to on HDD, press [HDD/EXT.HDD] repeatedly to set in HDD mode.
- If you would like to make a Recording to an External HDD, Then, press [HDD/EXT.HDD] repeatedly to set the External HDD mode.
- If you would like to make a Recording to a DVD, you need to insert a Recordable disc. Then, press [DVD] to set the DVD mode.

2 Select a Channel to Record using [CH +/-], or [the Number buttons].

 If you would like to make a Recording from an External Input Source, press [SOURCE] repeatedly to Select the desired Input Source.

3 Press [MENU], then Select "Rec Mode" using [▲/▼], then press [OK]. Then Select a Recording mode using [▲/▼], then press [OK].

Refer to 'Rec Mode' on page 27.

4 Press [REC] to Start the Recording.

"●" will be Displayed for 2 seconds. Press [II(Pause)] to Pause Recording. Press [II(Pause)] again to Restart Recording.

To Set One-Touch Timer Recording (OTR)

This is a simple way to set the Recording Time in blocks of 15 minutes.

Press **[REC]** repeatedly until the desired Recording Time (15 minutes to 4 hours) appears on the TV screen. One-Touch Timer Recording will Start.



To change the Recording Length during the One-Touch Timer Recording:

Press **[REC]** repeatedly until the desired length appears. Continued on next page.

5 Press [(Stop)] to Stop Recording.

- Confirmation message will appear. (Recording will be continued.) Select "Yes" to Stop Recording. Select "No" to Continue Recording.
- You can also Stop Recording by pressing [■(Stop)] button twice at Step 5.

To Stop Recording the One-Touch Timer Recording within the specified Time:

🖶 Note(s)

- While HDD / External HDD / DVD is in Playback, the [REC] mode is not available. Stop the Playback before using Basic Recording or One-Touch Timer Recording.
- When you press **[REC]**, Recording Starts immediately and continues until the HDD or External HDD or DVD is full, a Program is Recorded up to 8 hours or you Stop the Recording.
- When the unit's Clock has not been set yet and the Auto Clock Setting is set to "Off", the unit will enter "Clock Setting" or if the Auto Clock Setting is set to "Old", the unit will enter the Clock Data search screen to set the Date and Time for this unit.
- During the Recording, it is prohibited to change the Channel [MDR865H only].
- When Recording and Dubbing are in progress at the same Time and you press [(Stop)], the Dubbing Cancel Confirmation window will appear.

Note(s) for One-Touch Timer Recording

- Press [DISPLAY] to see the remaining Recording Time.
- You cannot use the Pause function during One-Touch Timer Recording.

Scheduled Recording

You can Program the unit to Record up to 100 Programs within a month in advance. Daily or Weekly Program Recordings are also available.

Before Recording, make sure to...

- · Set the Clock before setting a Scheduled Programming.
- Register an External HDD with this unit beforehand if you are Recording to an External HDD. (Refer to 'External HDD Connection' on page 20.)
- If you are Recording to a DVD, insert a Recordable Disc into this unit.

Guide to Scheduled Programming Display



- 1. Title of a Scheduled Program (Contains Title Name, Date, Time, Channel and Broadcast Station.)
- 2. Current Date and Time
- 3. Recording Icon (Appears when Recording is in Progress) _____
- 4. Recording Media ("💾" (HDD) or "💾" (External HDD) or 🎬 (DVD))

Press [SCHEDULE REC.].

- 2 Select "New Program" using [▲/▼], then press [OK].
 - The cursor will be on "New Program".

3 Enter the Date using [▲/▼], then press [►(Cursor)].





- 4 Enter the Start and End Time and Select "AM" or "PM" using [▲/▼/◀/▶], then press [▶ (Cursor)].
 - You cannot make a Scheduled Recording Program that exceeds 8 hours.
- Select a Channel or External Input to Record using [▲/▼/◄/▶], then press [▶(Cursor)].
- Select the Recording Media ("HDD" or "External HDD" or "DVD"), then press
 [► (Cursor)].
- 7 Select the "Mode(XX)" using [▲/▼], then press [OK]
 - Select a desired Recording mode.
- 8 Select the "Folder Setting" using [▲/▼], then press [OK]
 - Select a desired Folder to store the Recorded Program.
 - If you have no Folder to store the Recorded Program, Select "New Folder" and enter the Folder name using the On-screen Software Keyboard.

Alternate Recording

In the following cases, the unit will detect and automatically Record to the HDD even when External HDD or DVD is Selected as the Recording Media.

- If External HDD is not connected.
- If there is no Recordable Disc in the unit.
- If the External HDD or DVD does not have enough space to complete the Recording.
- The unit cannot Record to the connected External HDD (External HDD is unregistered).
- If the material is "copy-once" program and prohibited to be Recorded on a DVD.
- If the Disc is not available because the Repairing Process is Canceled halfway.

This feature is only available for Scheduled Recording and not available for One-Touch Timer Recording.

When all items are entered, Select "OK", then press **[OK]** again.

	le Recording				
				OK Cancel	

Your Program Setting is now Stored.

- To set another Program, repeat step 2 to 9.
- Press [[+ (EXIT)] to Exit.
- When 2 or more Programs are overlapped, an error message appears and the overlapped Program will be Displayed in Blue with an A Icon on the left side.
- To correct the Scheduled Program, refer to "Checking, Deleting or Correcting the Scheduled Programming information" on page 32,

<table-cell-rows> Note(s)

- If you have not set the Clock yet: Entry screen for the Clock Setting will appear instead of the Scheduled Programming List at step 1. Continue with the steps in 'Clock Setting' or 'Auto Clock Setting' on page 59 before setting a Scheduled Programming.
- Use [</>] to move the cursor to the left and the right in the entry screen for the Scheduled Programming.
- You cannot make a Scheduled Recording Program that exceeds 8 hours.

To Stop the Scheduled Recording in Progress

- 1. Press [(Stop)] on the Remote Control.
- Confirmation message will appear. Select "Yes", then press [OK].

Checking, Deleting or Correcting the Scheduled Programming information

1. Press [SCHEDULE REC.].

2. Check the information.



3. A: To Delete a Scheduled Program:

- Use [▲/▼] to Select the Program you wish to Delete, then press [CLEAR].
 - Confirmation message will appear.
- 2 Use [▲/▼] to Select "Yes", then press [OK].

3. B: To Delete Multiple Scheduled Programs:

- 1 Press [MENU] to move to Sub Menu then Select "Delete Multiprogram(s)" using [▲/▼], then press [OK].
- 2 Select the Program you wish to Delete using [▲/▼], then press [OK].
 - Check Icon will appear for the Scheduled Program Selected for Deletion.
- **3** Repeat step **2** until you Select all the Programs you wish to Delete.
 - To remove the Check Icon for Deletion, move the cursor to the Selected Program and press [OK].
- 4 Press [▶ (Cursor)] to Select [OK] on the screen, then press [OK].
 - Confirmation message will appear.
- 5 Select "Yes" using [▲/▼], then press .[OK]
- 3. C: To Correct the Scheduled Program:
 - Select the Program you wish to correct using [▲/▼], then press [MENU].
 - 2 Select "Program Change" using [▲/▼], then press [OK].
 - 3 Correct the Scheduled Program Information using [▲/▼/◀/▶], then press [OK].

号 Note(s)

 With the Scheduled Recording in progress (which is shown in red in the Scheduled Program List), you can only Edit the End Time.

Skip the Scheduled Recording Period

You can deactivate the Scheduled Recording period (Daily, TUE-SAT, MON-SAT, MON-FRI or Weekly) temporarily.

- 1. Press [SCHEDULE REC.].
- Select the periodical Scheduled Recording Program you wish to Skip using [▲/▼], then press [MENU].
- Select "Skip" using [▲/▼], then press [OK] to Activate the Setting.
 - "Skip" will appear on the left side of the Scheduled Program, if "Skip" is Activated.
 - The setting will go back to Off after the Program is Skipped once.

If the Scheduled Program Did Not Complete Correctly, ① appears in the Scheduled Programming List.

1	6/2/2015 2:30 AM 75	4			-
	TUE 06/02	2:30 AM	 3:30 AM	WPHL-D1	DR
H00					
					DR
0.02					
					SP
1120					
	CLEAR Delete				MENU Sub menu

- A Program that did not complete correctly is grayed in the Scheduled Programming List.
- To check the Scheduled Programming error message, Select the Program that did not complete correctly and press **[OK]**.

Hints for Scheduled Recording

- If there is a Power failure or this unit has been unplugged the Clock Setting will be lost. The Scheduled Programming(s) will be kept. (If Manual Clock has been Selected then you must set the Clock in order for the saved Scheduled Recordings to be made.)
- When Recording to an External HDD, if the External HDD is unregistered, the unit will perform Alternate Recording to the HDD (refer to page 31).
- When Recording to a DVD, if an unrecordable disc is inserted into this unit, the unit will perform an Alternate Recording to the HDD (refer to page 31).
- When the Programmed Starting and Ending Time are earlier than the current Time, the setting will not be accepted and the Date field will be highlighted.
- If the Starting Time is earlier and the Ending Time is later than the current Time, the Recording will Start right after you press [OK] at step 9 on page 31.
- It is prohibited to change the Channel from 2 minutes before the Programmed Starting Time.[MDR865H only]
- [REC] does not work from 2 minutes before the Programmed Starting Time. If it comes to 2 minutes before the Starting Time during basic or One-Touch Timer Recording, the Recording in progress will be Stopped.

😑 Note(s)

- During Basic Recording / One-Touch Timer Recording / Scheduled Recording, if you set a Scheduled Recording that Starts immediately, a message will appear on the screen asking whether you wish to Stop the Recording in progress and Start the Scheduled Recording. Choose "Yes" if you wish to Start the Scheduled Recording immediately.
- Basic Recording and One-Touch Timer Recording will Stop when a Scheduled Recording Starts.
- Recording will temporarily Stop if scrambled signal is received.
- When the Daylight Saving Time setting is "On", a Scheduled Program that has Start and End Time between 2:00 AM and 2:59 AM will not be Recorded on the second Sunday in March.

The Priority of Overlapped Settings

- A schedule program which was set after a previous program will be given priority over a previous program when these schedule programs overlap.
- When 2 or more schedule programs Overlap, the program with a later start time will be given priority.
- A schedule recording of lower priority will be canceled or start from the middle.
- Check the overlapped schedule programs and change the priority if necessary.

When the Starting Time is the same:

For MDR865H, a program set later (Program B) has priority.

Program A		
Program B		
Actual recording	Program B	

For **MDR868H** and **MDR867H**, a program set later (Program B and Program C) has priority.

Program A		
Program B		
Program C		
Actual recording	Program B	
Actual recording	Program C	

When the End Time of the Program currently being Recorded and the Start Time of subsequent Program are the same:

The ending of the Program A may be cut off for approx. 20 seconds. When schedule programs overlap, the schedule recording in progress will end 20 seconds before the next schedule recording starts.

Program A		
Program B		
Actual recording	Program A	Prog. B
1		

When recording to a DVD, the first 2 minutes (at the longest) of the beginning of the Program B may be cut off.

PAUSE TV

While watching TV, pressing **[II(PAUSE TV)]** will Start Recording the currently viewed TV Program to the HDD. This function is useful when you temporarily leave the TV.

While viewing a current Pause TV Program, press [II(PAUSE TV)].

- This unit will automatically Switch to HDD mode and Start Recording the currently viewed TV Program. (Rec mode: fixed in "FHD2" Mode)
- The TV Program On-screen will appear to be paused.

"PAUSE TV" Playback:

During "PAUSE TV", press [II (PAUSE TV)].

 The currently viewed TV Program will be unpaused and Resumed from the Point where "PAUSE TV" was Started.

"PAUSE TV" Stop:

1. During "PAUSE TV", press [[→(EXIT)] or [■(Stop)].

• The Title List will appear.

- 2. Press [[→(EXIT)]
- 3. Press [[→(EXIT)] or [■(Stop)]
- Confirmation massage will appear.
- 4. Select "Yes" using $[\blacktriangle / \bigtriangledown]$, then press [OK].
- "PAUSE TV" is Stopped.

"PAUSE TV" auto Stop:

"PAUSE TV" will automatically Stop when:

- 4 hours has passed since "PAUSE TV" was Started.
- The HDD becomes full during "PAUSE TV".
- · A Scheduled Recording Starts.

"PAUSE TV" Delete:

The Title Recorded with "PAUSE TV" will not be Deleted by simply Stopping "PAUSE TV".

- 1. Press [TITLE].
- 2. Select the Title that has **III**, then press **[CLEAR]**.
- 3. Select "Yes" using [▲/▼], then press [OK].
- The "PAUSE TV" Title will be Deleted.

The "PAUSE TV" Title will be overwritten if another "PAUSE TV" is performed.

- 1. While viewing a TV Program, press [II (PAUSE TV)].
- Confirmation message will appear. Select "Yes" using [▲/▼], then press [OK]
- The new "PAUSE TV" will Start and old "PAUSE TV" Title will be Deleted.

号 Note(s)

- Changing the Channel during "PAUSE TV" will not affect the current Recording. ("PAUSE TV" will not be Stopped and the "PAUSE TV" Title being Recorded will not be Deleted.)
- "PAUSE TV" will not Start when:
 - During the Basic Recording by pressing [REC].
 - During the Scheduled Recording.
 - During the Dubbing.

Dubbing

Information on Dubbing

You can Dub the contents.



1. Thumbnail

2. Icons

Indicating Titles Selected for Dubbing.

Indicating Titles Registered for Dubbing.

3. Remaining Recordable Space

4. Title information

Date/Time of Recording, broadcast station, duration of the Title and rating (If available)

- 5. Operation Guide
- 6. Sub Menu

Guide to Dubbing Menu Display



- 1. Dubbing Title List
- 2. Sub Menu

Selected Title Dubbing

Preparing for Dubbing :

- Register an External HDD to this unit. (Refer to 'External HDD Connection' on page 20.)
- Insert a disc to be dubbed or Recordable Disc in this unit.

1 Press [HOME].

- 2 Select "Dubbing" using [▲/▼/◀/▶], then press [OK].
- 3 Select a media for "Dubbing From" using [▲/▼], then press [OK].
- 4 Select a media for "Dubbing To" using [▲/▼], then press [OK].

Dubbing		
HDD	Disc	

5 If you made Folders in Title List, Select a Folder using [▲/▼], then press [OK]. Select Dubbing Titles using [▲/▼], then press [OK].

Dubbing			
Dapping			
	NEW 6/3/2015 1:40 PM		
Date Recorded	2 6/3/2015 3:00	PM 17.2	
WED 06/03/2015 Time Recorded:	NEW 6/3/2015 3:00 PM	17.1	
3:00 PM Title Length	NEW 6/4/2015 1:00 AM I		
	12:00 PM 6/4/2015 12:00 PM		
Rec Mode: DR Mode Rating: TV-14	12:00 PM 6/4/2015 12:00 PM		
Order Recording			
Folder List		OK Select	

RECORDING

6 Press [► (Cursor)] to move the cursor to the Sub Menu.

To Change the Title Order:

1. Select "Order".

• It is not shown in case of "Finalized DVD Video".

2. Select a order for Title List.

Recording	Recording order.
Title Name	Title name order.
New	New order.
Old	Old order.

To Change the Picture Quality:

1. Select "Picture Quality High".

2. Select a quality.

For HDD/ External HDD:

Recording Mode	Video/Sound Qu	uality
DR	****	(best)
FHD1	ፚፚፚፚ	
FHD2	***	
HD	**	
SD	\$	(good)

For DVD:

Recording Mode	Video/Sound Qu	ality
HQ	***	(best)
SP	***	
LP	***	
EP	**	
SLP	\$	(good)

To Select All Titles:

1. Select "Select All"

• You can Select "Select All" for Titles in the Folder that you made.

To Cancel All Titles:

1. Select "Deselect All"

For HDD or External HDD, you can Select "Select All" or "Deselect All"

7 Select "OK" in the Sub Menu, press [OK]

• The Titles will be Registered in the Dubbing List.

To Add a Title:

- 1. Select "Add".
- Select all the Titles to be added using [▲/▼], then press [►(Cursor)] to Select "OK" in the Sub Menu. The Titles are now Registered in the Dubbing List.
 - A Title already Registered is shown with a check mark.

To Delete a Title:

- 1. Select "Delete".
- 2. Select a Title to Delete using $[\blacktriangle / \lor]$, then press [OK].
- 3. Confirmation message will appear. Select "Yes".

To Delete All the Titles in the Dubbing List:

- 1. Select "Delete All".
- 2. Confirmation Message will appear. Select "Yes".

To Change the Dubbing Order:

- 1. Select "Change Order"
- 2. Select a Title.
- 3. Select a position to insert the Selected Title.

To Set the Folder Setting:

1. Select "Folder Setting"

- If you Select "DVD" for "Dubbing To", this item is not Displayed.
- Select a Folder.
- 8 Select "OK" in the Sub Menu, press [OK]
- 9 Select "Dubbing" to set the Titles to be dubbed.



10 Dubbing will Start.

· It may take a while to prepare for the Dubbing.

To Stop the Dubbing in Progress:

Press **[(Stop)**]. Confirmation message will Appear. Select "Yes" or press **[(Stop)**] again to Stop Dubbing.

6. PLAYBACK Information on Playback

Playable Discs and Files

This unit is compatible to Play the following discs. To Play a DVD, make sure that it meets the requirements for region Codes and color systems as described below. You can Play discs that have the following logos. Other disc types are not guaranteed to Play.

Logos	Playable discs
VIDEO	DVD-video
	DVD-RW/-R (Video mode)
	CD-DA (audio CD)
COMPACT DIGITAL AUDIO ReWritable ReWritable	CD-RW
COMPACT DIGITAL AUDIO Recordable Recordable	CD-R
Media (Logos)	Playable files
	IPEG
COMPACT CISC COMPACT Rewritable Recordable	J, 20
	AVCHD

is a trademark of DVD Format/Logo Licensing Corporation.

Color Systems

DVD is Recorded in different color systems throughout the world. The most common color system is NTSC (which is used primarily in the United States and Canada).

This unit uses NTSC, so a DVD you Play must be Recorded in the NTSC system. You cannot Play a DVD Recorded in other color systems.

Region Code

This unit has been designed to Play a DVD with region 1. A DVD must be labeled for ALL regions or for region 1 in order to Play on the unit. You cannot Play DVDs that are labeled for other

regions. Look for the symbols on the right on your DVD. If these region symbols do not appear on your DVD, you cannot Play the DVD in this unit. The number inside the globe refers to region of





A DVD labeled for a specific region can only Play on the unit with the same region Code.

Guide to a Title List

Title List allows you to check the Recorded Titles easily. You can choose a Title to Play from this List and easily edit the Titles as you prefer.

To call up the Title List Screen

Press [TITLE]

the world

- You can also call up the Title List by pressing **[HOME]**, then Selecting "Title List".
- To Exit the Title List, press [TITLE] again.



1. Thumbnail

Highlighted Title will be Played with sound.

2. Icons

REC-1 REC-2 (MDR868H/MDR867H), REC (MDR865H)	Indicating the Title currently being Recorded.
	Indicating the Title is protected.
NEW	:Indicating that Title has not been Played.

3. Selected Media

To Switch "HDD" or "External HDD" or "DVD" mode 1. Press **[HDD/EXT.HDD]** or **[DVD]**.

4. Remaining Time of the Media (approx.)

Title information Data Recorded, Time Recorded, Title Length, CH, Rec Mode, Rating (if available)

- 6. Operation Guide
- 7. Title Name
Hint for HDD / External HDD / DVD Playback

With each HDD / External HDD / DVD Recording, a separate Title will be created. Titles may be further subdivided into Chapters.







Resume Point

You can Play from where you last Stopped.

- The Resume Point will be saved by pressing [
 (Stop)]
 during Playback.
- You can set a Resume Point for every Title.
- The "Title List" screen is Displayed.
- Pressing [> (Play)] or [OK] will Resume Playback from the Resume Point of the Title from where you last Stopped.
- You can Select "Play from Start" in the Sub Menu by pressing **[MENU]** while Title List screen is Displayed
- You can set a Resume Point for every Title.

Basic Playback

Before Starting Playback, make sure that your desired Source device is Selected.

Direct Playback

- 1. Press [> (Play)] to Start Playback.
- 2. Press [(Stop)] once to Stop Playback temporarily.

Pause

- During Playback, press [II (Pause)].
 Playback will be Paused.
- 2. Press [II (Pause)] to return to Normal Playback.

Playback from the Title List

- Press [TITLE] to call up the Title List.
 To Exit the Title List, press [TITLE].
- 2. Select a desired Title using $[\land/\lor]$ then press [OK].
 - Press and hold [▲/▼] to move back and forth continuously.

	NEW 6/1/2015 1:28 PM 17.	1
Data Recorded	120 6/3/2015 1:40 PM 17.1	
	NEW 6/3/2015 3:00 PM 17.2	
MON 06/01/2015 Time Recorded:	NEW 6/3/2015 3:00 PM 17.1	
1:28 PM Title Length:	NEW 6/4/2015 1:00 AM L1	
0:01:39 CH: WPHL-D1	NEW 6/4/2015 12:00 PM L2-S	
Rec Mode: DR Mode Rating: TV-14	12:00 PM L2-S	
Order		
	CLEAR Delete OK	Play MENU Title List Menu

3. Press [(Stop)] once to Stop Playback temporarily.

😑 Note(s)

• You can also Start Playback by pressing [► (Play)] instead of [OK] at step 2.

Using the Title / Disc Menu

DVD may contain a Title List, which describes the contents of the disc, or a disc Menu, which guides you through the available functions in the disc.

Press [DVD] first.

- 1. Insert a disc.
- 2. Press [TITLE] to call up the Title List or disc Menu.
- Use [▲/▼/◀/▶] to make a selection, and then press [OK] to enable your selection.
- 4. Press [TITLE] to Exit.

Playing Audio Discs and Picture Discs

Press [DVD] first.

- 1. Insert a playable disc (refer to 'How to Insert a Disc' on page 29).
- Make sure the disc is compatible with this unit. (Refer to page 36 for the List of compatible discs.)
- It may take a while to load the Data Disc after the Disc Tray Closes.

When an Audio CD is inserted, the track List will appear. When a disc with JPEG files is inserted, the file List will appear.

- To Resume the track/file List, press [TITLE].
- Select a desired Folder or track/file using [▲/▼], then press [OK].

When Selecting track/file:

Playback will Start.

When Selecting the Folder (Not available for Audio CD): The files in the Folder will appear. Select the file or Folder you want to Play using $[\blacktriangle / \lor]$, then press $[\bigcirc K]$.

- Press [> (Play)] or [OK] to move to any lower hierarchies.
- Press [4(Cursor)] or [(BACK)] to move back to the previous hierarchy.

Hints for Audio CD tracks and JPEG files:

- Folders are shown by FOLDER
- Audio CD tracks are shown by Music
- The system can recognize up to 255 Folders, up to 99 tracks/999 files in the CD. The system can recognize up to 999 Folders, up to 9999 files in the DVD.
- If the Letters in a file/Folder name overflow the given space then they will be Displayed as "...". Unrecognizable Characters will be replaced with asterisks.
- It is recommended that files to be Played back in this unit are Recorded under the following specifications:
- Upper limit : 8,192 × 8,192 dots.
- Lower limit : 32 × 32 dots.
- File size of maximum image : 20 MB.

🖶 Note(s)

- Files whose extension is other than ".jpg / .jpeg(JPEG)" will not be Listed.
- Some unplayable Folders or files may be Listed due to the Recording status.
- · High-resolution JPEG files take longer to be Displayed.
- Progressive JPEG files (JPEG files saved in progressive format) cannot be Played back on this unit.
- After track is Displayed for 5 seconds or 10 seconds (set in 'Slide Show' on page 57) the Display moves to the next track.
- During JPEG playback, press [> (Cursor)] or [<(Cursor)] to rotate a picture 90 degrees clockwise or counterclockwise respectively. (Not available when the display menu appears.)

Special Playback

Resume Playback

You can Play from where you last Stopped.

For HDD/External HDD:

- 1. During Playback, press [(Stop)].
- The Title List will appear.
- You can set a Resume Point for each Title by using
 [▲/▼/◀/▶] to Select another Title or press
 [□+(E×IT)] or [TITLE].
- To cancel the Resume Playback and Start Playing the Title from the beginning, press [TITLE] to Exit the Title List, then press [(Stop)].

2. Press [OK] or [► (Play)].

• In a few seconds, Playback will Resume from the Point at which it Stopped last.

For Disc:

- 1. During Playback, press [(Stop)].
- The Title List will appear when you insert discs which are unfinalized DVD-RW/-R Video mode and DVD-RW VR mode.
- To cancel the Resume Playback and Start Playing the disc from the beginning, press **[II (Stop)]** again.

Press [► (Play)].

- In a few seconds, Playback will Resume from the Point at which it Stopped last.
- · You can set only one Resume Point per disc.

😑 Note(s)

- You can Resume Playback at the same Point even if you turn the unit to the Standby mode (HDD/External HDD/ DVD only)
- For JPEG files, Playback will Resume from the beginning of the file where Playback was Stopped.

Fast Forward / Fast Reverse Playback

- During Playback, press [►► (Forward)] or [◄◄ (Reverse)].
 - When you press [>> (Forward)] once, the unit will Play in a slightly faster speed while keeping the sound output.
 - Every Time you press [>> (Forward)] or [<<(Reverse)], the Playback speed will be changed.
 - Fast Forward or Fast Reverse Playback across Titles is not possible.
- Press [II (Pause)] to Stop the Fast Forward or Fast Reverse mode, then Press [II (Pause)] again to return to the Normal Playback.

Variable Skip / Variable Replay

During Playback, you can Skip forward or backward by the amount of Time you set in the "Playback" Menu. To set the Time amount, refer to 'Variable Skip/Replay' on page 57.

During Playback, press $[\blacktriangleright (\rightarrow SKIP)]$ if you wish to Skip forward. Press $[\triangleleft (\bigcirc REPLAY)]$ if you wish to Skip backward.

Rapid Playback

You can Playback in a slightly faster speed while keeping the Sound output.

During Playback, press [> (Play)].



- Playback approximately at 1.3 Times faster than Normal Playback.
- 2. Press [► (Play)] to return the Normal Playback.

号 Note(s)

- Audio (Language) setting cannot be changed while using this mode.
- This feature may not work at some Point in a disc.
- Audio is PCM during rapid Playback mode except when using Digital Audio Connection.

Step by Step Playback

- 1. During Playback, press [II (Pause)].
- Playback will be paused and sound will be muted.
- 2. Press [Idd (Skip)] or [>>I (Skip)] repeatedly.
- Playback will advance one frame (or step) at a Time when you press [>>| (Skip)] with the sound muted.
- To Playback step by step backward, press [I<<(Skip)] repeatedly.
- Every Time you press the button, the Playback will go backward by one frame.
- Press and hold [I<(Skip)] / [I) (Skip)] to reverse / advance continuously.
- 3. Press [> (Play)] to return to the Normal Playback.

Slow Forward / Slow Reverse Playback

- 1. During Playback, press [II (Pause)].
- Playback will be paused and sound will be muted.
- Press [◄◄ (Reverse)] or [►► (Forward)] repeatedly.
- Every Time you press [< (Reverse)] or [>> (Forward)], approximate speed will be changed. (The sound will remain muted.)
- 3. Press [> (Play)] to return to the Normal Playback.

Title / Chapter Skip

1. During playback, press [▶►I (Skip)] to move from the current Title/Chapter to the next.

The Title or Chapter will move forward one at a Time.

To go back to the beginning of the current Title or Chapter, press [I<<(Skip)].

 Press repeatedly to go to the previous Title or Chapter. The Title or Chapter will move backward one at a Time.

😑 Note(s)

• With regard to HDD/External HDD, Chapter search function is only available within the same Title.

Chasing Playback during Recording and Simultaneous Playback and Recording

You can continue Recording a Program while Playing back another Title.

You can Play a Title being Recorded from the beginning while the Recording continues.

- 1. During Recording, press [TITLE].
- Select a Title you wish to Play, then press [> (Play)].
 Chasing Playback will Start.
- 3. Press [(Stop)] once to Stop the Playback.
 - Press [G+(EXIT)] to Exit the Title List, then press
 [I] (Stop)], it will Stop the Recording.
 - Confirmation message will appear. (Recording will be continued.)
 - Select "Yes" to Stop Recording. Select "No" to continue Recording.

😑 Note(s)

When you Play a Title being Recorded.

- You can also use the special Playback functions such as [▶▶ (Forward)],[◄◄ (Reverse)], etc.
- You can no longer forward the Playback when it comes to a few seconds before the current Recording Point

Search

Title / Chapter Search

- During Playback, press [MENU], Select "Search" using [▲/▼], then press [OK].
- 2. Select III or III using [▲/▼], then press [OK].
- Select the desired Title or Chapter using [▲/▼/◀/▶] or [the Number buttons], then press [OK].
 After the search, Playback will Start automatically.

Track Search

- During Playback, press [MENU], Select "Search" using [▲/▼], then press [OK].
- 2. Select IR using [▲/▼], then press [OK].
- 3. Enter the desired track or file using [▲/▼/ ◄/▶] or [the Number buttons], then press [OK].
 After the search, Playback will Start automatically.

Time Search

- During Playback, press [MENU], Select "Search" using [▲/▼], then press [OK].
- Select Using [▲/▼], then press [OK].
- Enter the desired Time using [▲/▼/◀/▶] or [the Number buttons], then press [OK].
 After the search, Playback will Start automatically.

While Playback

Switching Audio Languages

You can Switch the Audio Language while Playing back a Title Recorded with 2 or more Audio Languages.

1. Press [MENU] during Playback.

- Available Languages will be Displayed.
- 2. Select a Language using $[\blacktriangle / \lor]$, then press [OK].

号 Note(s)

• Available Languages will vary on the Title.

Switching Closed Caption

You can turn Closed Caption ''Old'' or ''Off'' while Playing back a Title with Closed Caption Data.

1. Press [MENU] during Playback.

- Sub Menu window will appear.
- 2. Select "Closed Caption" using [▲/▼], then press [OK].
- 3. Select "Off" or "Old" using [▲/▼], then press [OK].

When you change this setting, "Closed Caption" setting in the setup Menu will also be changed.

Continued on next page.

Switching Subtitles

DVD-Video may have subtitles in 1 or more Languages. Available subtitle Languages can be found on the disc case. You can Switch subtitle Languages anytime during Playback.

- Press [MENU] during Playback.
 Sub Menu window will appear.
- 2. Select "Subtitle" using [▲/▼], then press [OK].
- Select a desired subtitle Language using [▲/▼], then press [OK].
 - Subtitle will be Displayed in the Selected Language. When Select "OFF", subtitle will disappear.

😑 Note(s)

- Some discs will only allow you to change the subtitle from the disc Menu. Press [TITLE] to Display the disc Menu.
- If a 4-digit Language Code appears in the subtitle Menu, refer to 'Language Code' on page 75.

Switching Camera Angles

Some DVD-Video have scenes shot from 2 or more angles. Angle information should be on the disc case if the disc contains multi-angle scenes.

1. Press [MENU] during Playback.

- Sub Menu window will appear.
- 2. Select "Angle" using [▲/▼], then press [OK].
- When a Switching camera angle is available, angle Icon appears on the screen.
- Select a desired angle number using [▲/▼].
 - Angle will Switch each Time you press [u/d] on angle Menu.

🖶 Note(s)

- When a Switching camera angle is available, angle Icon appears on the TV screen during Playback.
- Angle Icon does not appear on the TV screen during Playback in case you set "Angle Icon" to "Off" in the "Playback" Menu. Refer to page 57.

Repeat Playback

- Press [MENU] during Playback.
 Sub Menu window will appear.
- 2. Select "Repeat" using [▲/▼], then press [OK].
- Select the desired repeat mode using [▲/▼], then press [OK].

	Off
HDD/External HDD/DVD	Title
	Chapter
	Off
Audio CD/JPEG	All
	Track

Title Repeat:

· The current Title will be Played repeatedly.

Chapter Repeat:

· The current Chapter will be Played repeatedly.

All Repeat:

All Titles in the media will be Played repeatedly.

Track Repeat:

· The current track or file will be Played repeatedly.

Reducing Block Noise

This function reduces noise in the Playback picture.

- Press [MENU] during Playback.
 Sub Menu window will appear.
- Select "Noise Reduction" using [▲/▼], then press [OK].
- Select the desired setting using [▲/▼], then press [OK].

CLEAR+

This feature enhances the contrast of the picture and makes edges crisp. This feature is enabled only when the output from the HDMI terminal in the 1080i / 1080p.

- 1. Press [MENU] during Playback.
 - Sub Menu window will appear.
- Select "CLEAR+" using [▲/▼], then press [OK].
- 3. Select "Old" or "Off" using [▲/▼], then press [OK].

7. EDITING

Deleting a Title

You can Delete a Title which you do not need anymore. Please be advised that the Title once Deleted cannot be brought back.

1 Press [TITLE].

- Title List will appear.
- Select the desired Title to Delete using [▲/▼], then press [CLEAR].
 - Confirmation message will appear.
- 3 Select "Yes" using [▲/▼], then press [OK].

Deleting Multiple Titles

You can Delete Titles which you do not need anymore. Please be advised that the Titles once Deleted cannot be brought back.

1 Press [TITLE].

• Title List will appear.

2 Press [MENU].

- Title List Menu window will appear.
- 3 Select "Delete Multiple Titles" using [▲/▼], then press [OK].



4 Select the Title you wish to Delete using [▲/▼], then press [OK].

Title List			
	6/3/2015 1:40 PM 17.1		
Date Recorded:	C 6/3/2015 3:00 PM 17.2		
THU 06/04/2015 Time Recorded:	NEW 6/3/2015 3:00 PM 17.1		
12:00 PM Title Length:	C 6/4/2015 1:00 AM L1		
CH: L2 Rec Made: FHD1 Made	🗹 6/4/2015 12:00 PM	L2-S	
	12:00 PM L2-S		
Titles(8) Order Recording			
		OK Select / Deselect	

- will appear indicating the Title is marked for Deletion.
- 5 Repeat step 4 until you Select all the Titles you wish to Delete.

To Remove the Market from the Title:

• Select the desired Title, then press **[OK]**. **To Select All the Titles:**

• Select "Select All", then press **[OK]**. **To Deselect All the Titles:**

- Select "Deselect All", then press **[OK]**.
- 6 Select "OK" using [► (Cursor)], then press [OK].

Confirmation message will appear.

7 Select "Yes" using [▲/▼], then press [OK].

<table-cell-rows> Note(s)

- For DVD-RW, the available disc space will increase only when the last Recorded Title in the Title List is Deleted. For DVD-R, the disc space will not be affected.
- For HDD or External HDD, the remaining Time will Increase when you Delete a Title.
- You cannot Delete a Recording or protected Title.
- You cannot Delete Titles on both HDD and External HDD at the same Time.

Renaming a Title

- 1 Press [TITLE].
 - Title List will appear.
- 2 Select the desired Title to rename using [▲/▼], then press [MENU].
 - Title List Menu window will appear:



- 3 Select "Edit" → "Edit Title Name" using [▲/▼], then press [OK].
 - The Software Keyboard will appear.
- 4 To enter a Title name, follow the steps on 'Guide to the Software Keyboard' below.
 - You can enter up to 50 Letters.
- 5 Press [OK].
 - Confirmation message will appear.
- 6 Select "Yes" using [▲/▼], then press [OK].

Guide to the Software Keyboard

- 1. Press [the Number buttons] repeatedly to enter a desired Character.
- If a desired Character is same button as previous Character, press [> (Cursor)], then press same button.



- To change the number set, press **[INFO]**. To change the Character set, press **[INFO]**.
- To Delete Letters, press [CLEAR]
- 2. When you finish entering Numbers and Characters, then press [OK]

😑 Note(s)

- In Character Set, the Number 1 pushed Repeatedly can be used to Input the following Symbols,

Protecting a Title

You can protect a Title in order to prevent accidental editing.

1 Press [TITLE].

- Title List will appear.
- 2 Select the desired Title to protect using [▲/▼], then press [MENU].
 - Title List Menu window will appear.
- - Confirmation message will appear.
- 4 Select "Yes" using $[\blacktriangle / \bigtriangledown]$, then press [OK].
 - The protected Title will be marked with 💼 Icon.

To Unprotect the Title:

- Select "Protect On » Off" at step 3.
- 🔒 will disappear.

8. NETWORK

MDR868/867H

This section describes the procedures for Network setup. By performing the Network Connection setup, you can use the Network features, such as Network Update function.

Network Settings

You can Select either wireless Connection or Wired Connection.

	If you connect this unit to the Network using
Wired	to the Internet.
Wireless	If you have a Wireless Networks, Select "Wireless" to connect to the Internet.

Press [HOME], then Select "Settings"

 "General Settings"
 "Network", then press [OK].

Network Connection

- 2 Select "Network Connection", then press [OK].
 - Connecting method screen will appear.

	Network Connection	Wired	
Network			

For Wired Connection

For Wired Connection, a Network Connection will automatically be established.

AUTO

- 3 Select "Wired" using [▲/▼], then press [OK].
- 4 Select "Auto" using [▲/▼], then press [OK].
 - Network Connection will automatically be established, then Connection test will Start and the test result will be Displayed. Refer to 'Connection to the Network' on page 18.
- 5 Press **[OK]** to complete the Network setup.
 - Press [[+ (EXIT)] to Exit.

Manual

- 3 Select "Wired" using [▲/▼], then press [OK].
- 4 Select "Manual" using [▲/▼], then press [OK].

IP Address Setting

IP Address: Auto(DHCP)

- Select "IP Address Setting" using [▲/▼], then press [OK].
- You will be asked to Select "Auto(DHCP)" or "Manual".
- Select "Auto(DHCP)" using [▲/▼], then press [OK].
 Please move on to 'DNS Setting Mode'.

IP Address: Manual

"Manual" lets you manually configure the IP setting.

- Select "IP Address Setting" using [▲/▼], then press [OK].
- 2. Select "Manual" using [▲/▼], then press [OK]. Select "IP Address" using [▲/▼], then press [OK].
 - IP Address entry window will appear.
- 3. Enter an IP Address using [the Number buttons]. Press [OK] when at the cell to the far right.



- Enter an IP Address after checking the specifications of your Router.
- If an IP Address is unknown, check the IP Address of other devices (e.g. PC connected with a LAN Cable). Then, in the cell to the far right, assign a different number from those other devices.
- · Please move on to 'Subnet Mask'.

Subnet Mask:Manual

- 4. Select "Subnet Mask" using [▲/▼], then press [OK].
 Subnet Mask entry window will appear.
- 5. Enter the Subnet Mask using [the Number buttons].
 - Enter the Subnet Mask after checking the specifications of your Router, then enter the same Numbers in the cells.
- 6. Press [OK] when at the Cell to the far right.
 - Please move on to 'Default Gateway'

NETWORK

Default Gateway:Manual

- Select "Default Gateway" using [▲/▼], then press [OK].
 - Default gateway Address entry window will appear.
- Enter the default gateway Address using [the Number buttons].
- 9. Press [OK] when at the Cell to the far right.
 Please move on to 'DNS Setting'.

DNS Setting

DNS Setting : Auto(DHCP)

- 1. Select "DNS Setting" using [▲/▼], then press [OK].
- You will be asked to Select "Auto(DHCP)" or "Manual".
- Select "Auto(DHCP)" using [▲/▼], then press [OK].
 Please move on to 'Proxy Setting' if your ISP (Internet Service Provider) requires Proxy Configuration. Otherwise, move on to 'Connection to the Network'.

DNS Setting : Manual

- 1. Select "DNS Setting" using [▲/▼], then press [OK].
- 2. Select "Manual" using [▲/▼], then press [OK].
 - · Please move on to ".

Primary DNS: Manual

- 3. Select "Primary DNS" using [▲/▼], then press [OK].
 - Primary DNS Address entry window will appear.



- Enter the primary DNS Address using [the Number buttons].
- 5. Press [OK] when at the cell to the far right.
 Please move on to 'Secondary DNS : Manual'.

Secondary DNS : Manual

- Select "Secondary DNS" using [▲/▼], then press [OK].
 Secondary DNS Address entry window will appear.
- 7. Enter the Secondary DNS Address using [▲/▼] or [the Number buttons].
 - Enter the Secondary DNS Address after checking the specifications of your Router, then enter the same Numbers in the cells.
- 8. Press [OK] when at the cell to the far right.
 - Please move on to 'Proxy Setting' if your ISP (Internet Service Provider) requires Proxy Configuration.
 Otherwise, move on to 'Connection to the Network'.

Proxy Setting

Proxy Address

- 1. Select "Proxy Setting" using [▲/▼], then press [OK]
- **2.** Select "Use" using $[\blacktriangle / \nabla]$, then press [OK].
- Proxy Address entry Screen will appear.
- Enter the Proxy Address using the Software Keyboard.
 For details on how to use the Software Keyboard, refer to 'Guide to the Software Keyboard' on page 42.

Network Settir	Please enter Proxy address.	
IP Address Setting IP Address Subnet Mask Default Gateway DNS Setting Primary DNS Secondary DNS	1 @/: 2 ABC 3 DEF 4 GHI 5 JKL 6 MNO	
Proxy Setting Connection Test	7 PQRS 8 TUV 9 WXYZ	
	USPAUE INFO 123/ABC CLEAR Delete OK 0X Stack	
l		

4. Press [OK]

Proxy Port Number Input Window will appear.

Proxy Port

- Enter the Proxy Port Number using [the Number buttons].
- Select "OK" using [▲/▼], then press [OK].

Connection Test

- Select "Connection Test" using [▲/▼], then press [OK].
 - Connection test will Start and the test result will be Displayed.
- 2. Press [OK].

For Wireless Connection

- Press [HOME], then Select "Settings" → "General Settings" → "Network", then press [OK].
- 2 Select "Network Connection", then press [OK].
 - Connecting method screen will appear.
- 3 Select "Wireless" using [▲/▼], then press [OK].
 - You will be asked to Select "Auto Scan" or "Manual", or "Easy Connect". Select an adequate method according to your Wireless Networks and settings.

Auto Scan

This method lets you Select an SSID* from the SSID List automatically obtained by performing "Auto Scan".

* SSID (Service Set IDentifier) is a wireless Network name which is used to identify your Wireless Networks (access Point) on the Network.

4 Select "Auto Scan" using [▲/▼], then press [OK].

Access Points List will be Displayed.

	Wireless Sett	ing		١.
Select your Network.				11
SSID	Security	Signal		
Router1	â	7		
Router2	â			
Router3	â	7		
Router4	Ĥ	-	Rescan	
Router5	Ĥ	7	Return	
_			Cancel	

appears next to the SSID (access Point) that is protected with security.

shows the access Point's signal strength.

- 5 Select an access Point to which you wish to connect this unit using [▲/▼], then press [OK].
- Enter the Security Key using the Software Keyboard. press [OK].
 - For details on how to use the Software Keyboard, refer to 'Guide to the Software Keyboard' on page 42
- 7 Select "Next", then press [OK].

8 Select "Auto" using [▲/▼/◀/▶], then press [OK].

- Connection test will Start and the test result will be Displayed.
- 9 Press [OK] to complete the Network setup.

Manual

Select this if you wish to configure the wireless Network settings manually by entering an SSID and the Security Key.

4 Select "Manual" using [▲/▼], then press [OK].

- SSID entry screen will appear.
- 5 Enter an SSID using the Software Keyboard.
 - For details on how to use the Software Keyboard, refer to 'Guide to the Software Keyboard' on page 42.

6 Press [OK].

- Security method selection screen will appear.
- 7 Select an adequate security mode using [▲/▼], then press [OK].
 - Security Key entry screen will appear.
 - If you Select "None" for a security mode, Connection test will Start and the test result will be Displayed.

8 Enter the Security Key using the Software Keyboard. Press **[OK]**.

- For details on how to use the Software Keyboard, refer to 'Guide to the Software Keyboard' on page 42.
- 9 Select "Next", then press [OK].
- Select "Auto" using [▲/▼], then press [OK].
 - Connection test will Start and the test result will be Displayed.
- 11 Press [OK] to complete the Network setup.

Easy Connect

Select this if your Wireless Networks has a PBC button^{*1}. It is the easiest way to set up a wireless Connection. If it fails, try "Easy Connect" again^{*2}.

- ^{*1} PBC (Push Button Configuration) button may be called at your Router's given name. Refer to the Router's Manual for more details.
- ^{*2} If it continuously fails, then refer to the Router's Manual for more details.
- 4 Select "Easy Connect" using [▲/▼], then press [OK].

Push Button Method

- 5 Select "Push Button Method" using [▲/▼], then press [OK]
- 6 Press the PBC button on your Wireless Networks.



- Network Connection will automatically be established, then Connection test will Start and the test result will be Displayed.
- 7 Press **[OK]** to complete the Network setup.

PIN Code Method

This method lets you configure the wireless Network using PIN Code method.

- 4 Select "PIN Code Method" using [▲/▼], then press [OK].
- 5 Select an access Point to which you wish to connect this unit using [▲/▼], then press [OK]
 - Confirm the 8-digit PIN Code Displayed On-screen.

Video	Wireless Setting
Audio	PIN Code Method
Display	Please input the PIN Code to selected Wireless Access Point.
HDMI	PIN Code: 00000000
Playback	
Recordin	Scanning
Network	
Others	
-	

- 6 Log on to your Wireless Networks and enter the 8-digit PIN Code in it.
 - For how to log on and set up your Wireless Networks, please refer to its Owner's Manual.
 - Network Connection will automatically be established, then Connection test will Start and the test result will be Displayed.
- 7 Press **[OK]** to complete the Network setup.

Displaying Network Status

You can check the Network Status.

- Press [HOME], then Select "Settings" → "General Settings" → "Network", then press [OK].
- 2 Select "Displaying Network Status", then press [OK].
 - List of Network information will be Displayed.
 - Select "Return", then press [OK].
 - Select "Wireless" using [▲/▼], then press [OK]. List of wireless Network information will be Displayed. Select "Address / Proxy", List of Network information will be Displayed again.

Network Server

The special application Software enables the Streaming of Titles Recorded on the internal or External HDD of the unit to a Tablet/Smartphone and other Mobile devices. This Software also allows you to watch TV on a Mobile device when you are in a room without a TV, or download Recorded Titles from the unit to a Mobile device for offline Playback.

😑 Note(s)

- This function is available on MDR868H and MDR867H only.
- To use the Network Server function on a Mobile device, the application Software needs to be installed on the Mobile device. See the website below for details on the application Software.
 www.magnavox.com/
- Make sure that this unit and the Mobile device(s) are
- connected to the same Router and joining the same home Network.
- Playback quality varies depending on the connected Mobile device. See the Manual of the Mobile device, application help, etc. for details.

Server Function Setting

Server Setting

- Press [HOME], then Select "Settings" → "General Settings" → "Network", then press [OK].
- 2 Select "Network Function" using [▲/▼], then press [OK].
- 3 Select "Server Setting" using [▲/▼], then press [OK].
- 4 Select "Use" using [▲/▼], then press [OK].

Unit Name

- Press [HOME], then Select "Settings" → "General Settings" → "Network", then press [OK].
- 2 Select "Network Function" using [▲/▼], then press [OK].
- 3 Select "Device Name" using [▲/▼], then press [OK].
- 4 Enter the Unit Name using the On-screen Software Keyboard.
- **5** Press **[OK]**.

Viewing a Title Recorded on This Unit

By using a Mobile device, Titles Recorded on this unit can be viewed anywhere in the house without a TV.

Start Playing on the Mobile device.

- See the Manual of the Mobile device, application help, etc. for how to operate.
- Depending on the connected Mobile device, this unit may convert an HD Title to SD for Streaming.
- 2 To Stop Video Streaming, press [(Stop)].
 - Confirmation window will appear. Select "Yes" using [▲/▼], press [OK]

Viewing a TV Show Currently on the Air

The TV show being viewed with this unit can also be viewed anywhere in the house without a TV.

1 Start Playing on the Mobile device.

• See the Manual of the Mobile device, application help, etc. for how to operate.

To Stop live Streaming, press [**[(Stop)**].

• Confirmation window will appear. Select "Yes" using [▲/▼], press [OK]

Scheduled Recording for Downloadable Title

- 1 Press [SCHEDULE REC.].
- 2 Select "New" using [▲/▼], and press [OK].
 - If a Scheduled Program does not exist, the cursor will be on "New".
- 3 Enter the Date using [▲/▼], then press [▶ (Cursor)].
- 4 Enter the Start and End Time using [▲/▼/ 4/▶], then press [▶ (Cursor)].
 - You cannot make a Scheduled Recording Program that exceeds 8 hours.
- 5 Select a Channel to Record using [▲/▼], then press [► (Cursor)].
- 6 Select "HDD", then press [► (Cursor)].
- 7 Select "Mode(xxx)" using [▲/▼], then press [OK].
- 8 Select "HD" or "SD" using [▲/▼], then press [OK].
 - "HD" or "SD" is for Downloadable Title.
- 9 Select "OK" using $[\blacktriangle / \bigtriangledown]$, then press [OK].

Downloading a Downloadable Title to a Mobile Device

- 1 Start downloading on the Mobile device.
 - See the Manual of the Mobile device, application help, etc. for how to operate.

9. SOFTWARE Software Update

You can check the Software information and set the Network Update setting.

Press [HOME], then Select "Settings"

 "General Settings"
 "Others"
 "Software Update" using [▲/▼/◄/▶], then press [OK].

Product Information & USB Update

You can check the Software version currently installed on this unit. And you can Update the Software by using USB memory stick. Prepare a blank USB memory stick.

2 Select "Product Info" using [▲/▼], then press [OK].

idio		
splay	Current Software Version X.XX.XX	
IMI	If you wish to check for latest Software Update	
yback	or other Product information,	
cording	Please check our Website.	
twork	http://www.magnavox.com	
hers	Press [OK].	

- 3 Access the URL on TV screen, then download the latest Software to USB memory stick using a PC by following the directions described on the website.
 - Use a blank USB memory stick, download on Software per USB memory stick. Write the Software in the root directory of the USB memory stick.
 - For more details on how to download the Software, please refer to the website.
- 4 Connect the USB memory stick while "Product Info" is Displayed.
 - After loading USB memory stick, confirmation message will appear.
- 5 Select "Yes", then press [OK].
 - Software Update will Start.
- 6 The unit will restart automatically twice, then Software Update will finish.

Network Update

MDR868/867H

You can Update the Software via the Internet. Be sure that you have completed the Network configuration beforehand.

2 Select "Network Update", using [▲/▼], then press [OK].

• If the latest version of the Software is found, a confirmation message which prompts you to Update will appear.

If no Update is available, press **[OK]** to finish.

3 Select "Yes" using [▲/▼], then press [OK].

• Software Update will Start.



4 The unit will restart automatically twice, then Software Update will finish.

🖶 Note(s)

- In order to Update the Software via the Internet, you must connect the unit to the Internet and set up necessary settings.
- For the Network setup, refer to 'Connection to the Network' on page 18.
- For the Network Connection, refer to 'Network Settings' on page 43.
- Software Update will not change any of the current settings.

Automatic Check

MDR868/867H

You can set the unit to automatically check for the latest version of Software when unit is connected to the Internet. If a later version is found on the Internet server, you will be prompted to Update the unit.

- 2 Select "Automatic Check", then press [OK].
- **3** Select "Old", then press **[OK]**.
 - Press [[+ (EXIT)] to Exit.

Disc Update

You can Update the Software by using a disc. Prepare a blank disc.

- Access the URL: <u>www.magnavox.com</u>, then download the latest Software to disc using a PC by following the directions described on the website.
 - Use a blank disc, download on Software per disc. Write the Software in the root directory of the disc
 - For more details on how to download the Software, please refer to the website.
- 2 Insert the disc and press [DVD].
 - After loading disc, confirmation message will appear.
- **3** Select "Yes", then press **[OK]**.
 - Software Update will Start.
- 4 The unit will restart automatically twice, then Software Update will finish.

号 Note(s)

- The available discs for Software Update are below:
 - DVD-WR/-R
 CD-RW/-R
- Software Update will not change any of the current settings.

Caution

 Please do not unplug the AC Power cord, LAN Cable, wireless modem / Router or press [0 (Power-ON)] to turn the unit into Standby mode while performing "USB Update" or "Disc Update" or "Network Update".

10. FUNCTION SETUP General Settings

In the setup Menu, you can customize the various kinds of settings with your preferences.

Refer to the following Instructions to navigate through the setup $\ensuremath{\mathsf{Menu}}$

 Press [HOME] then Select "Settings" using [▲/▼/◀/▶] then press [OK].



2 Select "General Settings" using [▲/▼] then press [OK].



- 3 Select a desired item using [▲/▼] then press [OK].
- 4 Press [_□→(EXIT)] to Exit.



Video

Select a desired item using [▲/▼], then press [OK].

Video	TV Aspect	: 16:9 Squeeze

2 Set the Selected item in references below.

TV Aspect

Use this feature to adjust the aspect ratio of the Video Source which is different from yourTV's ratio to fit yourTV Monitor without distorting the picture.

 Select a Setting using [▲/▼], then press [OK].

Aspect ratio of the Video Source	4:3	
Setting of TV Aspect	When "HDMI Video Resolution" is set to "480p" or when you connect this unit to the TV using the Video/Audio Cables.	When "HDMI Video Resolution" is set to "720p" – "1080p".
4:3 Letter Box		
4:3 Pan & Scan		
16:9 Wide		
16:9 Squeeze		

Aspect ratio of the Video Source	16:9	
Setting of TV Aspect	When "HDMI Video Resolution" is set to "480p" or when you connect this unit to the TV using the Video/Audio Cables.	When "HDMI Video Resolution" is set to "720p" – "1080p".
4:3 Letter Box		
4:3 Pan & Scan		
16:9 Wide		
16:9 Squeeze		

<table-cell-rows> Note(s)

TV aspect may differ from above when watching Network service.

If you have a standard TV:

Select "4:3 Letter Box" so that black bars appear on the top and bottom of the TV screen when Playing back a widescreen picture.

Select "4:3 Pan & Scan" for a full height picture with both sides trimmed when Playing back wide-screen picture.

If you have a widescreen TV:

Select ''16:9 Wide'' when you wish to enjoy 16:9 picture on the 16:9 TV.

Select "16:9 Squeeze" to enjoy 4:3 picture on the 16:9 TV. Use this setting to Display 4:3 picture on the 16:9 TV without distorting the aspect ratio of the picture when Playing back standard picture.

号 Note(s)

Please contact TV manufacturer if you have any problem with it.

Still Mode

Use this feature to set the type of still image when Playback is paused. Select "Auto" usually.

1 Select a Setting using $[\blacktriangle / \lor]$, then press [OK].

Your setting will be activated.

Auto	Optimum resolution setting ("Field" or "Frame") will be Selected.
Field	Images in the still mode will be stabilized
Frame	Images in the still mode will be highly defined.

<table-cell-rows> Note(s)

• Frame is 1 completed Video image made up of 2 fields (There are 30 frames per second of NTSC Video).

Audio

Dolby Digital

Sets the Dolby Digital Audio output from HDMI/Digital Audio output.

Select a desired item using [▲/▼], then press [OK].

PCM	Converts the Dolby Digital into PCM (2 Channel).
Auto	Outputs from bitstream. If connected
	device does not support HDMI output,
	it will be converted to PCM.

DTS

Sets the DTS Audio from HDMI/Digital Audio output.

Select a desired item using [▲/▼], then press [OK].

	Outputs a DTS Audio.If this unit does
	not support DTS Audio, need to
Old	connect to a device that supports DTS.
Off	Mute DTS Audio.

AAC

Sets the AAC (Advanced Audio Coding) Audio from HDMI/ Digital Audio output.

Select a desired item using [▲/▼], then press [OK].

PCM	Outputs from PCM.
Auto	Outputs from bitstream. If connected
	device does not support HDMI output,
	it will be converted to PCM.

DRC (Dynamic Range Compression)

This compression function will reduce the volume of the loudest sounds and amplify quieter sounds to make it easier to hear voices or raise the average sound level.

Select a desired item using [▲/▼], then press [OK].

Old	Sets DRC to On.
Off	Sets DRC to Off.

号 Note(s)

 This function is available for Dolby Digital. Not available for LPCM and MPEG Playback.

Down Sampling

Sets LPCM Digital Audio output format from Digital Audio output.

Select a desired item using [▲/▼], then press [OK].

Old	Output LPCM signal can be conberted to 48kHz, set this when a connected device does not support input over 48kHz.
Off	DVD-Video with an LPCM signal without copyright protection was Recorded and is Playing back, it will output 2ch Audio up to 96kHz.

Display

 Select a desired item using [▲/▼], then press [OK].

	Language	: English	
Display	Caption Settings		

2 Set the Selected item in references below.

Language

Sets the Language for the On-screen Display.

 Select a desired item using [▲/▼], then press [OK].

Your setting will be activated.

English	Sets the Language to English.
Français	Sets the Language to French.
Español	Sets the Language to Spanish.
Auto(XXX)	The unit recognizes the OSD Language set for the TV and automatically sets the same Language as the Display Menu Language for this unit.

FL Dimmer

Sets the brightness for the On-screen Display.

 Select a desired item using [▲/▼], then press [OK].

Your setting will be activated.

Auto	Front Panel Display gets Darker when the unit turned Off.
Bright	Front Panel Display gets Brighter.
Dark	Front Panel Display gets Darker.
Off	In Power-On mode, panel lighting in On.
	In Standby mode, panel lighting is Off.

😑 Note(s)

- When "Standby Setting" is "Normal Standby", panel lighting follow the "FL Dimmer" setting.
- When "Standby Setting" is "Energy Saving Standby", panel lighting is Off regardless of the "FL Dimmer" setting.

Caption Settings

Closed Caption refers to Text of dialog or descriptions Displayed On-screen.

Use this Menu to change the settings for Closed Caption. Sets the Selected item in references below.

 Select a desired item using [▲/▼], then press [OK].

		Caption Service	
Display	Caption Settings		
HDMI	TV Screen Protection		

Caption Service

• Set the type of the Closed Caption.

Service 1	Set the "service1" for Closed Caption.
Service 2	Set the "service2" for Closed Caption.
Service 3	Set the "service3" for Closed Caption.
Service 4	Set the "service4" for Closed Caption.
Service 5	Set the "service5" for Closed Caption.
Service 6	Set the "service6" for Closed Caption.

Caption Style

The following settings can be configured.

ideo	Cap	otion Style	
ilo User S	etting	:	Off
blay Font S	ize		Large
A Font S	tyle		Style 1
back Font T	ransparency		Solid
Font C	olor		White
Work Edge T	ype		None
Edge C	olor		Black
Backgr	ound Transparency		Solid
hanges the Backg	round Color		Black

<User Setting>

	You can set the settings of caption
Old	options as you like.
Off	Set the default settings.

Font size of the Displayed caption can be Switched.



Font style of the Displayed caption can be Switched.

Default
Style 1
Style 2
Style 3
Style 4
Style 5
Style 6
Style 7

Font transparency of the Displayed caption can be Switched.

Solid
Transparent
Translucent
Flash

Font color of the Displayed caption can be Switched.

White
Black
Red
Green
Blue
Yellow
Magenta
Cyan

<Edge Type>

Edge type of the Displayed caption can be Switched.



<Edge Color>

Edge color of the Displayed caption can be Switched.

	White	
	Black	
	Red	
	Green	
	Blue	
,	Yellow	
N	lagenta	
	Cyan	

<Background Transparency>

Background transparency of the Displayed caption can be Switched.

Solid
Transparent
Translucent
Flash

<Background Color>

Background color of the Displayed caption can be Switched.

White	
Black	
Red	
Green	
Blue	
Yellow	
Magenta	
Cyan	



• The EUT setting that satisfies § 79.102 (e) is as follows: Font: Mono-font

Character size: Large

TV Screen Protection

While the setup Menu is shown, you do not operate any key on Remote Control for 15 minutes, then setup Menu will be Clear and TV Program can be seen.

While the Title List for CD-DA/JPEG is shown, you do not operate any key on Remote Control for 15 minutes, then the screen saver will be active.

Select a desired item using [▲/▼], then press [OK].

Old	Sets TV Screen Protection to On.
Off	Sets TV Screen Protection to Off.

HDMI

Select a desired item using [▲/▼], then press [OK].



2 Set the Selected item in references below.

🖶 Note(s)

• Settings for HDMI is only available when there is HDMI Connection.

HDMI Video Resolution

Selects an HDMI output mode. HDMI Connection makes this unit automatically output the most suitable resolution for yourTV.

Select a desired item using [▲/▼], then press [OK].

Auto	Optimum setting will be Selected.
480p	Sets HDMI resolution to 480 progressive. (good)
720p	Sets HDMI resolution to 720 progressive.
1080i	Sets HDMI resolution to 1080 interlaced.
1080p	Sets HDMI resolution to 1080 progressive. (best)

• The HDMI mode that is not supported by the Display device will be Skipped.

HDMI Audio Out

If you do not wish to output the Audio through HDMI, you can set the HDMI Audio output Off.

Select a desired item using [▲/▼], then press [OK].

• Set to "Off" when the HDMI Sound is not output.

Old	Outputs the Audio from HDMI.
Off	Mutes the Audio from HDMI.

Your setting will be activated.

fun-Link (HDMI CEC)

"fun-link(HDMI CEC)" allows integrated system control over HDMI and is part of the HDMI standard.

Select a desired item using [▲/▼], then press [OK].

Old	Activate HDMI CEC function.
Off	Deactivate HDMI CEC function.

When "fun-link(HDMI CEC)" settings is set to "Old", "Standby Setting" will be "Normal Standby".

 When "fun-link(HDMI CEC)" settings is set to "Old", functions List below will be avilable.

One Touch Play

When this unit is turned On, the TV also is turned On and the appropriate External Input Channel will be Selected automatically. The appropriate External Input Channel can also be Selected on your TV automatically.

when you press [ⓓ (Power-ON)], [▲ (Open/ Close)], [▶ (Play)], [TITLE], [SCHEDULE REC.], [HOME], [SOURCE], [CH +/-], [the Number buttons] when you the unit's Power is On.

Standby

When you press and hold [\bigcirc (Power-ON)] for 2 seconds, it turns Off the Power to the Standby mode on the TV first and then also turns the Power Off on this unit also.

System Information Get & Set Menu Language

This unit recognizes the Language set for the TV and automatically sets the same Language on the Menu for this unit.

If you would like to use this function, set to

"Auto(XXX)" (Refer to 'Language' on page 53).

Playback

Select a desired item using [▲/▼], then press [OK].

	Audio Language	: Original
	Variable Skip	
маураск	Variable Replay	

2 Set the Selected item in references below.

Audio Language

Set the Audio Language.(for DVD only)

 Select a desired item using [▲/▼], then press [OK].

Original	Sets the Audio Language to disc's default.
English	Sets the Audio Language to English.
Français	Sets the Audio Language to French.
Español	Sets the Audio Language to Spanish.
Other	Sets the Audio Language to other.

• Your setting will be activated.

Subtitle Language

Set the subtitle Language.(for DVD only)

Select a desired item using [▲/▼], then press [OK].

Off	Sets the Off to subtitle.
English	Sets the subtitle Language to English.
Français	Sets the subtitle Language to French.
Español	Sets the subtitle Language to Spanish.
Other	Sets the subtitle Language to other.

· Your setting will be activated.

Disc Menu Language

Set the disc Menu Language.(for DVD only)

 Select a desired item using [▲/▼], then press [OK].

Enalish	Sets the disc Menu Language to English.
Français	Sets the disc Menu Language to French.
Español	Sets the disc Menu Language to Spanish.
Other	Sets the disc Menu Language to other.

• Your setting will be activated.

号 Note(s)

 If your Select 'Other' for 'Audio Language', 'Subtitle Language', 'Disc Menu Language', press the 4-digit Code useing [the Number buttons]. Refer to 'Language Code' on page 75.

DVD Rating Level

Some DVD-Videos feature a parental lock level. Playback will Stop if the ratings exceed the levels you set. It will require you to enter a password before the disc will Playback. This feature prevents your children from viewing inappropriate material.

Enter a 4-digit number using [the Number buttons].

- When the password is correct, 'DVD Rating Level' window will appear.
- 2 Select a desired item using [▲/▼], then press [OK].

Off	Watch all discs without any restriction.
8 [Adult]	Watch without any age restriction.
7 [NC-17]	Cannot watch under 18 years old.
6 [R]	Need approval of a parent if children under 18 years old watch this Program.
5 [PGR]	Recommended to watch only with a parent.
4 [PG-13]	Inappropriate words are included in this Program, under 13 year old children cannot watch this Program.
3 [PG]	Recommend to watch this Program depending on parent judgment.
2 [G]	Contents which can be generally watched.
1 [Kid Safe]	Contents which are no problem for children.

• Your setting will be activated.

😑 Note(s)

• If you have not set up your password yet, enter a new 4-digit password and enter same password again.

Variable Skip/Replay

Assign [◀ (℃ **REPLAY**)] or [▶ (→ **SKIP**)] to Skip or rewind by a certain amount of Time when they are pressed during Playback.

Select a desired item using [▲/▼], then press [OK].

Variable Skip

Sets the amount of Skip Time for $[\triangleright (\rightarrow SKIP)]$.

5 seconds	Sets the amount of Skip Time to
	5 seconds.
10 seconds	Sets the amount of Skip Time to
	10 seconds.
30 seconds	Sets the amount of Skip Time to
	30 seconds.
1 minute	Sets the amount of Skip Time to 1 minute.
5 minutes	Sets the amount of Skip Time to
	5 minutes.

Variable Replay

Sets the amount of rewind Time for [< (REPLAY)].

5 seconds	Sets the amount of rewind Time to 5 seconds.
10 seconds	Sets the amount of rewind Time to 10 seconds.
30 seconds	Sets the amount of rewind Time to 30 seconds.
1 minute	Sets the amount of rewind Time to 1 minute.
5 minutes	Sets the amount of rewind Time to 5 minutes.

Angle Icon

Display the angle Icon during Playback.

Select a desired item using [▲/▼], then press [OK].

Old	Display the angle Icon.
Off	Does not Display the angle Icon.

• Your setting will be activated.

Slide Show

Set Display interval of JPEG file.

Select a desired item using [▲/▼], then press [OK].

5 seconds	Change to next JPEG after Display for 5 seconds.
10 seconds	Change to next JPEG after Display for 10 seconds.

· Your setting will be activated.

Recording

Auto Chapter

The unit inserts Chapter marks periodically during Recording. Using the auto Chapter Menu, you can set this function Off or change the Time period.

Select a desired item using [▲/▼], then press [OK].

Off	Select if you do not want auto Chapter:
5 minutes	Insert Chapter marks by every 5 minutes.
10 minutes	Insert Chapter marks by every 10 minutes.
15 minutes	Insert Chapter marks by every 15 minutes.
20 minutes	Insert Chapter marks by every 20 minutes.
30 minutes	Insert Chapter marks by every 30 minutes.
60 minutes	Insert Chapter marks by every 60 minutes.

· Your setting will be activated.

号 Note(s)

• For DVD, the interval for auto Chapter may be up to 2 minutes different from the Time option you set.

Aspect Ratio (Video mode)

Set aspect ratio when you are Dubbing to DVD-RW/R in Video mode .

Select a desired item using [▲/▼], then press [OK].

Auto	Aspect at Starting of Recording or Dubbing
4:3	Fix 4:3 aspect ratio
16:9	Fix 16:9 aspect ratio

Your setting will be activated.

Auto Finalize

You can finalize discs automatically.

- Select "Disc Full" or "Finalize the Timer Program" using [▲/▼], then press [OK].
- 2 Select "Old" or "Off" using [▲/▼], then press [OK].

Disc Full		
Old	Finalize automatically when the capaticy of DVD is full.	
Off	Deactivate the function.	
Finalize the Timer Program		
Old	Finalize automatically when Recording of DVD is finished.	
Off	Deactivate the function.	

• Your setting will be activated.

ΕN

Subtitle Recording

Record to DVD with Closed Caption or not,

 Select a desired item using [▲/▼], then press [OK].

Old	Record to DVD with Closed Caption.
Off	Record to DVD without Closed
	Caption.

Your setting will be activated.

Others

Select a desired item using [▲/▼], then press [OK].

	Standby Settings	Alapmal Standbur
	Remote Control	
	Software Update	
Others		
thers		

2 Set the Selected item in references below.

Initial Setting

Setting up the unit again. Refer to '3. INITIAL SETUP' on page 22.

Make sure that the Antenna Connection was completed.

Standby Settings

This unit boots up at a higher speed in "Normal Standby". activation, but Power Consumption in Standby mode will be increased.

Select a desired item using [▲/▼], then press [OK].

Normal Standby

In order to make the unit Start faster; then set to ''Normal Standby'', if done then this will increase the Power Consumption when the Power is Off in Standby mode.

Energy Saving Standby

"Energy Saving Standby" will reduce the Power Consumption during Standby rather than "Normal Standby".

• Your setting will be activated.

号 Note(s)

 If you Select "Energy Saving Standby", "fun-link(HDMI CEC)" is automatically set to "Off" and "Network Function" will be set automatically to "Do Not Use".

Code Select

Sets the remote conntrol Code 1/2/3 for your Remote Control. By setting the Remote Control Code to this unit, you can prevent other devices from responding when you use the Remote Control.

Remote Control

- Select your preferred Remote Control Code using [▲/▼].
- 2 Keep pressing [OK], then press the Remote Control Code you Selected.

Code Select	
Code1	Sets the Remote Control Code to 1.
Code2	Sets the Remote Control Code to 2.
Code3	Sets the Remote Control Code to 3.

Code Alert

Set whether you want to Display a message when the unit is receiving a different Remote Control Code.

Select a desired item using [▲/▼], then press [OK].

Code Alert	
	If this unit receives a different Remote
	Control Code, an error message will
Old	appear.
Off	If this unit receives a different Remote
	appear.

 If the unit and the Remote Control's Remote Control Code does not match, an error Display message will appear on the front panel:rc 1' or 'rc 2' or 'rc 3'.
 If 'rc 1' is Displayed, you need to change the Remote Control's Remote Control Code by keeping press
 [OK] and press [1]. If 'rc 2', press [OK] and [2].If 'rc 3', press [OK] and [3].

😑 Note(s)

- You need to set both the unit and the Remote Control to the same Code.
- · The default setting for the Remote Control is "Code1".

Clock

Configure the Clock, Time zone and Daylight Saving Time settings.

If the Clock is not set correctly, Scheduled Recording does not work properly.

Select a desired item using [▲/▼], then press [OK].

		Clock Setting
		Time Zone
	Clock	Auto Clock Setting
Others		

Clock Setting

If this unit is unable to obtain the Clock information automatically, set up the Clock manually.

2 Enter 'Month' / 'Day' / 'Year' / 'Hour' / 'Minute' and Select "AM" or "PM" using [▲/▼/◀/▶], then press [OK].

Time Zone

Set your Time zone. This unit recognaizes 7 Time zones.

2 Select a desired item using [▲/▼], then press [OK].

Time Zone

THING LONG	
Atlantic	GMT(Greenwich Mean Time) - 4 hours
Eastern	GMT(Greenwich Mean Time) - 5 hours
Central	GMT(Greenwich Mean Time) - 6 hours
Mountain	GMT(Greenwich Mean Time) - 7 hours
Pacific	GMT(Greenwich Mean Time) - 8 hours
Alaska	GMT(Greenwich Mean Time) - 9 hours
Hawaii	GMT(Greenwich Mean Time) - 10 hours

Daylight Saving Time

Daylight saving Time is referred to as "Summer Time". Using this function lets you set the Clock back and ahead for Daylight Saving Time.

2 Select a desired item using [▲/▼], then press [OK].

Old	Activate.
Off	Deactivate.

Auto Clock Setting

This unit can set the Time and Date automatically by referring to a Channel that carries Clock information.

- 2 Select "Old" using [▲/▼], then press [OK].
 - Channel selection window will appear.
- 3 Select a Channel using [▲/▼], then press [OK].

Seneral Settings Vide Audio Originy HOMA Auto Clock Setting Prease Select the Channel to use for the Automatic Time Setting. me 17.1 VMH4.01 17.2 VMH4.02 Prease Recording Transmitter 75.2 VMH2.02 Others Cancel

- This unit will automatically search for the Clock information and Display the result.
- 4 Press [OK] to finish.

Initialization

Initializes settings on the unit.

Select a desired item using [▲/▼], then press [OK].

Initialize for Network Setting MDR868/867H

You can Reset the status of Network settings.

Initialize Settings

You can Reset the status of setup Menu.

Initialize for Personal Information

You can Reset your personal information to the factory default.

• Confirmation message will appear.

2 Select "Yes" using [▲/▼], then press [OK].

 When "Initialize for Personal Information" is Selected, confirmation message will appear again. Select "Yes" using [▲/▼], then press [OK].

😑 Note(s)

- These settings Listed below will remain unchanged even after the "Initialize Setting".
 - Child Lock
 - Network Connection
 - Remote Control Code
- When "Initialize for Personal Information" is performed, all Recorded Titles in HDD and Registered External HDDs will be Deleted.

OSS

Open Source Software license information on the Software used in this unit.

Press [OK] to finish.

Channel Settings

Be sure the RF Cable is correctly connected to this unit and you are Registered with your Cable Digital TV provider when you install Cable Channels.

- Press [HOME] then Select "Settings" using [▲/▼/◀/▶] then press [OK].
- 2 Select "Channel Settings" using [▲/▼] then press [OK].



- 3 Select a desired item using [▲/▼] then press [OK].
- 4 Press [_□→(EXIT)] to Exit.

Channel

 Select "Channel" using [▲/▼], then press [OK].



Auto Channel Preset

If you Switch input signal wires (e.g. between Antenna and CATV) or if you move the unit to a different area after the Initial Setting or if you restore the DTV Channels you Deleted, it is recommended to search a new Channel.

2 Select "Auto Channel Preset" using [▲/▼], then press [OK].

- The password will be required if you have locked Channels. Refer to 'Channel Lock' on page 62.
- 3 Select a desired item using [▲/▼], then press [OK].

Antenna	To scan Digital Over-the-Air Broadcasting.
Cable	To scan Digital Cable Broadcasting.

• Channel search will begin.

Auto Channel Preset will Delete All previously stored Channels. Do you want to Proceed?		Auto Channel Preset	
Antenna : To Only Scan Digital TV Over-the-Air Broadcasting. Cable : To Scan Digital Cable Broadcasting.	Auto Channel Do you want f	Preset will Delete All previously stored Channels. to Proceed?	
	Antenna Cable	: To Only Scan Digital TV Over-the-Air Broadcasting. : To Scan Digital Cable Broadcasting.	Beek

- 4 Press **[OK]** to complete Channel scan.
 - Press [[+ (EXIT)] to Exit.

😑 Note(s)

- After setting "Auto Channel Preset", using [CH +/-] Skips unavailable Programs automatically.
- If you are not receiving a signal from your Cable service, contact the Cable provider.
- If you Select "Back" by pressing **[OK]** during "Auto Channel Preset", the setup of TV Channels will be canceled.

Add Channels

This function lets you add the Channels that were not added by "Auto Channel Preset" due to the reception conditions during the initial setup.

2 Select "Add Channels" using [▲/▼], then press [OK].

- The password will be required if you have locked Channels. Refer to 'Channel Lock' on page 62.
- Channel search will begin.
- **3** Press **[OK]** on "Finish" to complete Channel scan.
 - Press [(EXIT)] to Exit.

Skip Channels

The Channels Selected here will be Skipped when Selecting the Channels using \cite{LH}

Those Channels can still be Selected using **[the Number buttons]**.

- 2 Select "Skip Channels" using [▲/▼], then press [OK].
- 3 Select the Channel you would like to Skip using [▲/▼], then press [OK].
 - "Watch" that the Channel is not Skipped.
 - "Skip" that the Channel is Skipped.

Press [OK]. 17.1 YZWX-D1 Watch 17.2 YZWX-D2 Skip 75.1 WXYZ-D1 Watch	Skip Ch	annels/Watch Channels	skip channels	
17.1 YZWX-D1 Watch 17.2 YZWX-D2 Skip 75.1 WXYZ-D1 Watch	Press [0	/K].		
17.2 YZWX-D2 Skip 75.1 WXYZ-D1 Watch	17.	1 YZWX-D1	Watch	
75.1 WXYZ-D1 Watch	17.	2 YZWX-D2	Skip	
	75.	1 WXYZ-D1	Watch	
75.2 WXYZ-D2 Skip	75.	2 WXYZ-D2	Skip	
Cancel				Cancel
ОК				ок

- To reactivate a Skipped Channel, use **[▲/▼]** then press **[OK]**.
- Repeat step 2 until you Select all the Channels you would like to Skip.
- Press [[+ (EXIT)] to Exit.

Antenna Out

Set whether you want the Antenna signal to passthrough when the Power is Off (Standby) mode.

- 2 Select "Antenna Out" using [▲/▼], then press [OK].
- 3 Select a desired item using [▲/▼], then press [OK].

Old	This unit will passthrough the Antenna signal when the Power is Off (Standby) mode.
Off	This unit does not passthrough the
	Antenna signal in the Power Off
	(Standby) mode.

- If you connect the RF to another device, recommend to set it "Old".
- If you Select "Old", Power Consumption is high.

Attenuator

To decrease TV Broadcasting signal strength to the proper level.

- 2 Select "Attenutor" using [▲/▼], then press [OK].
- 3 Select a desired item using [▲/▼], then press [OK].

	TV Broadcasting signal strength to the
Old	proper level.
Off	Maintain the current TV Broadcasting
	signal strength.

Child Lock

You can prevent children from viewing certain types of Programs or Channels by locking the TV controls using specific ratings.

- Select "Child Lock" using [▲/▼/◀/▶], then press [OK].
 - Password entry window will appear.
- 2 Enter a 4-digit Number using [the Number buttons].
 - If you have not set up your password yet, enter a new 4-digit number .
 - When the password is correct, the child lock Menu will be Displayed.
 - Refer to 'Change Password' on page 64 when changing the password.

Channel Lock

Set it to restrict access on certain Channels.

- 3 Select "Channel Lock" using [▲/▼], then press [OK].
- 4 Select a Channel using [▲/▼], then press [OK].



- 🗹 indicates that the Channel is locked.
- 🔲 indicates that the Channel is not locked.
- Repeat step **4** until you Select all the Channels you would like to lock.

Setting TV and Movie Ratings

Movie ratings lock is the rating system created by MPAA.TV ratings lock has controlled access to individual Programs based on their age and content ratings.

- 3 Select "MPAA Rating" or "TV Rating" using [▲/▼], then press [OK].
- 4 Select a rating using [▲/▼], then press [OK].
 - 🖌 indicates that contents on this rating are restricted.
 - indicates that contents on this rating are not restricted.
 - Repeat step **4** until you Select all the ratings you would like to restrict.

Movie Ratings

		🗆 ×
Child Lock	MPAA Rating	NC-17
Digital Audio Preference	TV Rating	

TV Ratings

Channel Child Lock		TV Rating	
Digital Audio [[[[[]	TV-MA TV-14 TV-PG TV-6 TV-Y7 TV-Y None	Violence Sex Language	
Set TV Rating.			

US Movie Rating	US TV Rating	Description	
×	TV-MA	Mature audience only	
NC-17	_	No one under 17 admitted	
R		Children under 17 require accompanying parent or adult guardian	
—	TV-14	Unsuitable for children under 14	
PG-13	-	Unsuitable for children under 13	
PG	TV-PG	Parental guidance suggested	
G	TV-G	General audience Appropriate for children 7 and older	
—	TV-Y7		
	TV-Y	Appropriate for all children	
NR	None	No rating	

To set the sub ratings

For TV rating lock, you can further set the sub ratings to block specific elements in the Programming. To set the sub ratings, follow the step below.

Select a sub rating, then press **[OK]**.

Repeat this procedure until all the desired ratings are .

USTV Rating	Sub rating
TV-MA	ViolenceSexLanguage
TV-PG	ViolenceSex
TV-14	LanguageDialog
TV-Y7	Fantasy violence

😑 Note(s)

- Blocked sub rating will appear beside the Main rating category in TV Ratings Menu.
- If you change a Main rating to ∠ or _, it affects the sub rating as well.

Canadian English / Canadian French Ratings

You can Select ratings for Canadian English / Canadian French Broadcasting.

- 3 Select "Canadian English Rating" or "Canadian French Rating" using [▲/▼], then press [OK].
- 4 Select a rating using [▲/▼], then press [OK].
 - \checkmark indicates that contents on this rating are restricted.
 - indicates that contents on this rating are not restricted.
 - Repeat step **4** until you Select all the ratings you wish to restrict.

Canadian English Rating	Canadian French Rating	Description
18+	18ans+	Adult audience only
_	16ans+	Unsuitable for ages under 16
14+		Unsuitable for ages under 14
_	13ans+	Unsuitable for ages under 13
PG		Parental guidance suggested
—	8ans+	Unsuitable for ages under 8
G		General audience
C8+	—	For all children over 8
С	_	For all children
E		Exempt Program



 The Canadian rating systems on this unit are based on CEA-766-A and CRTC policy.

Downloadable Rating

You can set Region Rating.

- 3 Select "Downloadable Rating" using [▲/▼], then press [OK].
 - If this unit has not received a RatingTable, a Message Window will appear.

4 Select a desired item using [▲/▼/◀/▶], then press [OK].

Block Setting

Set the Region Rating table (RRT).

Clear Downloadable Rating

Clears the Rating that has been acquired.

Change Password

You can set your own password. (The default password Code is 0000.)

- - Password Code entry window will appear.
- 2 Enter the current 4-digit password number using [the Number buttons].
 - · You will be asked to enter a new password.
 - If you have not set up your password yet, enter
 [0][0][0][0].

3 Enter the 4-digit number for new password using [the Number buttons].

- For confirmation, you will be asked to enter the new password again.
- Press [[+ (EXIT)] to Exit.

号 Note(s)

- The password for confirmation has to be an exact match to the password that you entered earlier.
- If you forgot your password, enter **[4] [7] [3] [7]** to Reset the password.

Digital Audio Preference

You can set the interpretive Broadcasting by an Audio explanation.

- Select "Digital Audio Preference" using [▲/▼/◀/▶], then press [OK].
- 2 Select a desired item using [▲/▼] then press [OK].

Audio Language

You can set your preferred Language in the Audio Streaming.

- 3 Select "Audio Language" using [▲/▼], then press [OK].
- 4 Select a desired item using [▲/▼], then press [OK].

English	To set English in the Audio Streaming.
Français	To set Spanish in the Audio Streaming.
Español	To set French in the Audio Streaming.

Accessibility

You can set to prioritize VI-Visually impaired Streaming or HI-Hearing impaired Streaming.

- 3 Select "Accessibility" using [▲/▼], then press [OK].
- 4 Select a desired item using [▲/▼], then press [OK].

Main Audio	Takes precedence in general Audio stream.
VI	Takes precedence in visually impaired Audio stream.
Н	Takes precedence in hearing impaired Audio stream.

Primary Audio parameter

You can Select your priority Audio parameter.

- 3 Select "Primary audio parameter" using [▲/▼], then press [OK].
- 4 Select a desired item using [▲/▼], then press [OK].

Audio Language

Takes precedence in same Audio Language as Audio Language setting.

Accessibility

Takes precedence in same Audio Language as accessibility setting.

11. MEDIA MANAGEMENT

Media Management

You can manage media.

1 Press [HOME].

- Home Menu will appear.
- 2 Select "Media Manager" using [▲/▼/◀/▶], then press [OK].

Deleting All Recording Data on the HDD / External HDD

Recording Data Deleted due to Initialization cannot be undone. Make sure it is the correct media to Initialize.

- 3 Select "HDD Menu" or "External HDD Menu" using [▲/▼], then press [OK].
- 4 Select "Delete All Titles" or "Delete All Unprotected Titles" using [▲/▼], then press [OK].
 - Select "Delete All Unprotected Titles" to Delete only unprotected Titles.
 - Select "Delete All Titles" to Delete all Titles including protected Titles.
 - Confirmation message will appear.



5 Select "Yes" using $[\blacktriangle / \lor]$, then press [OK].

• This unit will Switch to the TV viewing mode.

Format

You can erase all Titles on a disc.

- 3 Select "DVD Menu" using [▲/▼], then press [OK].
- 4 Select "Format" using [▲/▼], then press [OK].
 - Confirmation message will appear.
- 5 Select "Yes" twice.

Finalize

You will need to finalize DVD-RW/-R to Play them back on other DVD players.

Finalizing may take several minutes up to an hour. A shorter Recording period on the disc will require a longer Time period for finalization. Please do not unplug the AC Power cord, Power Off or place unit in Standby mode during finalization, this will result in a malfunction.

- 3 Select "DVD Menu" using [▲/▼], then press [OK].
- 4 Select "Finalize" using [▲/▼], then press [OK].
 - Confirmation message will appear.
- 5 Select "Yes" using [▲/▼], then press [OK].

To Undo Finalization

 When you insert a DVD-RW finalized with this unit, "Undo Finalization" will appear instead of "Finalize".
 Select "Undo Finalization", then Select "Yes" at step 4 and step 5.

Renaming External HDD

You can rename a Registered External HDD. Please connect a desired External HDD in advance.

- 3 Select "External HDD Menu" using [▲/▼], then press [OK].
- 4 Select "Edit External HDD Name" using [▲/▼], then press [OK].
 - The Software Keyboard will appear.
- 5 To enter an External HDD name, follow the steps of 'Guide to the Software Keyboard' on page 42.
 - You can enter up to 50 Letters.
- 6 Select "OK" using [▲/▼/◀/▶], then press [OK].
 - Confirmation message will appear.
- 7 Select "Yes" using [◄/▶], then press [OK].

12. OTHERS

Troubleshooting

Before requesting service for this unit, check the table below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.

	Symptom	Remedy
POWER	The Power does not turn On.	 Check that the AC Power cord is connected securely. Remote Control batteries may be weak, replace them with new ones. Check operation of the Remote Control, refer to Page 4. After "Initialize for Personal Information", this unit's Remote Control Code will be set back to the default setting "Code1". Keep pressing [OK] and press the number button [1] on the Remote Control to set the Remote Control's Remote Control Code to "Code1". (Refer to page 58 on 'Remote Control'.) Press and hold the [() STANDBY / ON] on the front panel for more than 8 seconds to turn the unit off and leave the unit unplugged for a while (or, leave the unit unplugged for a while and press the RESET button on the rear cabinet) then, plug the unit back in. If the unit does not Power On please contact our customer service center for service on the model.
	The unit does not respond.	 "O" or error message appears if the operation is prohibited. Remote Control batteries may be weak, replace them with new ones. Check operation of the Remote Control, refer to Page 4. Press and hold the [O STANDBY / ON] on the front panel for more than 8 seconds to turn the unit off and leave the unit unplugged for a while (or, leave the unit unplugged for a while and press the RESET button on the rear cabinet) then, plug the unit back in. If the unit does not Power On please contact our customer service center for service on the model.
VERAL	No picture, sound or Menu appears on the screen.	 Depending on the Source/Connection, confirm the following: For Antenna/basic Cable, redo an auto scan on the model. For satellite Receiver/Cable Box, check the Connections to make sure they are securely connected. For RF Coaxial Cable, redo an auto scan on the model. For HDMI and RCA Video/Audio, check the Connections to make sure they are securely connected. Check if the Connections are made securely and correctly. Check if the Cables are damaged. Check if a correct External Input Channel is Selected on your TV. (Refer to page 26) Check if you have completed the Channel setting. (Refer to pages 60)
SES	Time jumps/Auto Clock set's incorrect Time.	Set the 'Auto Clock Setting' to "Off" and try 'Clock Setting' on page 59.
	The unit does not operate properly.	• Moisture has condensed inside the unit, Leave the unit turned On for about 2 hours until the moisture evaporates.
	"Repairing" appears on the TV screen.	 If there is a Power failure or unplugging during Recording, finalizing, formatting or editing (even after "Repairing" disappears), a Repairing Process will begin automatically just after turning the unit on again. It may take several minutes up to several hours.
	In case you intend to cancel the Repairing Process.	 If you intend to cancel the Repairing Process, press [▲ (Open/Close)] on the front panel, then Select "Yes" and press [OK]. After that, press [▲ (Open/Close)] to take out the disc. The disc canceled during the Repairing Process MAY NOT work.
	The Clock Display does not appear in the front Panel Display.	 Check that the AC Power cord is connected securely. (In case of Power failure) Check the breaker and Clock Setting. When "Standby Settings" is set to "Energy Saving Standby", the front panel lighting is Off in Standby mode.
	When you forget the Password for Parental Lock.	Enter 4737 in "Change Password" to Reset the password.

	mage from HDMI Connection.	 Check the HDMI Connection. (Check the status of the HDMI related indications.) Check the correct SOURCE or INPUT on the DTV device that has correctly selected the Signal from this unit's HDMI output Check whether the connected Monitor device or other device supports HDCP. (This unit will not output a Video signal unless the other device supports HDCP.) Check the setting of HDMI. Check whether the output format of this unit (HDMI FORMAT) matches the supported Input format of another connected device. If above remedies do not work, unplug the HDMI Cable and the AC Power cords, then plug them back in the order of 1: HDMI Cable, 2: AC Power cord.
Hom	e Menu cannot be called up.	 Home Menus cannot be called up during DVD formatting or finalizing. Press [II(Stop)] on the Remote Control, and then press [HOME].
TV C	hannels cannot be changed.	Check if the Connections are made securely and correctly.Check if the Cables are damaged.Try Channel setting by following the steps on pages 60.
Only	specific Channels do not appear.	• The Channels may be set to be Skipped. (Refer to page 61)
from	unit is not picking up my Channels the auto scan.	 Check the Connections. Confirm the Main Source from the Antenna/ Basic Cable/Cable Box/Satellite Receiver is connected to the ANTENNA IN by an "RF Coaxial" Cable. If not using the "RF Coaxial" Cable and using an S-Video or RCA Video/Audio Cables, the unit will need to be set on L1 or L2.
		• Try pressing [SOI IRCE] repeatedly
The i canno	image from the external device ot be Displayed or Recorded.	 Turn on all connected devices. Check if the Connections are made securely and correctly.
Unab	HDD EXT. HDD	 It is prohibited to make a Recording from 2 minutes before the Programmed Start Time of a Scheduled Recording. The space of the Recording media may be used up. Try Deleting unnecessary Titles, or connect a recordable External HDD. The maximum number of Titles has been exceeded. Delete the unnecessary Titles to make enough space or connect a recordable External HDD. Check if the Connections are made securely and correctly. This unit cannot Record Audio only Programs.
Schee perfo	HDD EXT. HDD duled Recording cannot be prmed.	• The internal Clock of the unit may have been Stopped due to a Power outage. Reset the Clock Setting. (Refer to page 59)
The p disap	HDD picture of the "PAUSETV" pears.	• The contents of "PAUSETV" will be Cleared in some cases. (Refer to page 33)
DVD Unab	-RW Video DVD-R Video	 Check to see if the disc is formatted to this unit. If used in a PC or any other device, it may not allow any Recordings. For DVD-RW, try "Format" for reformatting. (Refer to page 65) Copy-once Programs cannot be Recorded on DVD. This is not a malfunction. Check if the disc is finalized. Undo the finalization. (Refer to page 65) DVD-RW once formatted on another unit cannot be Recorded on this unit unless all the contents in the disc are erased. Check if the Connections are made securely and correctly.
DVD "Wait disap	-RW Video DVD-R Video t for a moment." screen does not ipear.	• "Wait for a moment." screen may remain On-screen for the maximum of 20 seconds even after it reached 100%. This is not a malfunction.

TV aspect ratio does not match your TV screen.	Check the TV aspect ratio. (Refer to page 51)
Playback picture is distorted. Color of the picture is abnormal.	 During Fast Forward or Fast Reverse, Playback picture may be distorted. This is not a malfunction. Check if the Cables are damaged. Keep the equipment which may cause electrical disturbances, such as a cellular phone, away from the unit.
There is no sound or no subtitle. HDD EXT. HDD Playback does not Start from the	 Turn On all connected devices. Check if the Connections are made securely and correctly. If using the HDMI Connection, sound is not output when "HDMI Audio Out" is set to "Off". Check the RCA Audio Cables Connection. If you are using HDMI-DVI conversion Cable, you must also connect the RCA Audio Cables. If using the HDMI Connection, check whether the output format of this unit (HDMI FORMAT) matches the supported input format of the other connected device. Resume function may be activated. (Refer to page 37)
DVD-RW Video DVD-R Video DVD-RW VR DVD-Video AVCHD Audio CD JPEG Playback cannot be performed.	 Check if the playable disc is inserted. Check if the disc is loaded correctly with the labeled side facing up. Discs made on other devices or on personal computers cannot be Played back on this unit unless it is finalized on the device. Even if it is finalized, the performance of those discs are not guaranteed on this unit. The disc may be dirty or flawed. Clean the disc. Check if all the Connections are made correctly. Check the 'DVD Rating Level' setting. (Refer to page 56) Playback of DVD is prohibited from 2 minutes before the Programmed Start Time of a Scheduled Recording when the Recording media is DVD.
DVD-RW Video DVD-R Video DVD-RW VR DVD-Video AVCHD There is no sound or no subtitle.	 Check if "Audio" is set correctly. (Refer to page 52) There is a possibility that the Selected subtitle Language is not supported by the disc.
DVD-RW Video DVD-R Video DVD-RWVR DVD-Video AVCHD Digital Audio setting cannot be changed to Main Audio (L), sub Audio (R) or combination of both.	 If the Audio Source is in the Dolby Digital format, set the "Dolby Digital" Setting to "PCM" in "Audio" Menu. (available only for DVD) (Refer to page 52)
DVD-RW Video DVD-R Video DVD-RWVR DVD-Video AvcHD Audio Language or the subtitle Language of the DVD cannot be changed. Changed	 Multilingual subtitles are not supported by the disc. Some Audio Languages or the subtitle Languages can be changed only from the disc Menu. Please refer to the disc's Manual.
DVD-Video Camera angles cannot be changed.	• Even though the multi-angle feature is supported by the disc, that does not mean all the scenes are shot from multi-angles. Changing angles are available only for those scenes shot from the multi-angle.
DVD-RWVideo DVD-RVideo The disc cannot be Played back on another player even though it is finalized properly.	 Some DVD players do not Play the disc made on another Recorder. Refer to the Manual of the unit.

ITING DUBBING	Dubbing cannot be executed. Titles cannot be edited or Deleted.	HDD EXT. HDD DVD-RW Video DVD-R Video • When the number of the Titles exceeds the maximum recordable number, the Dubbing will not be executed. EXT. HDD • Check the External HDD Connection is made securely and correctly. • Registration of External HDD is necessary before you perform Dubbing. (Refer to page 20) DVD-RW Video DVD-R Video • Check if the disc is compatible for Recording HDD EXT. HDD • The Titles may be protected. Cancel the protection by following the steps on page 42 for Title protection. DVD-RW Video DVD-R Video • Check to see if the disc may have been finalized. The Titles in the DVD-R cannot be edited or Deleted if they are finalized. If using a DVD-RW disc, try
EDI	DVD-R Video	 With DVD-R, Deleting a Title will not increase the disc space.
	The Capacity of the disc doesn't increase even if the Recorded Program is Deleted.	
	The Remote Control does not	No batteries in the remote or the batteries may be weak. Benlace the
REMOTE CONTROL	function.	 batteries. Make sure there is no obstacle between the remote and the unit. Try getting closer to the unit. (Refer to page 13) Please check IR signal. (Refer to page 4) Check that the unit and Remote Control's Remote Control Code match. (Refer to page 58) Cannot guarantee about third party's Remote Controls. Please contact the remote manufacturer if you have any problem with it. If above solutions do not solve the problem, please call our customer support at 1-866-341-3738 or visit www.magnavox.com/support for additional assistance.

Cannot connect to the Network.	 Check if the Ethernet Cable Connection is properly made. Turn On the modem or broadband Router. Check the Network settings. Check if the broadband Router and/or modem is correctly connected.
Sometimes Video quality is poor when using the wireless LAN.	• The wireless Network Connection quality varies depending on the distance or obstacles (e.g. wall, basement, 2nd floor) between the unit and the Wireless Networks (access Point), from other Wireless Networks, and brand and type of the Wireless Networks (access Point). When using the Wireless LAN of the unit, it is suggested to place the Wireless Networks as Close as possible to the unit.
Wireless LAN Connection fails or wireless Connection is poor.	 Check the installation location of the unit and Wireless Networks (access Point). Signal quality may be affected for the following reasons. Interference of other wireless devices, microwaves, fluorescent lights, etc., are placed nearby. There are floors or walls between the Wireless Networks and unit. If the problems continue even after checking the above, try making a Wired LAN Connection.
Cannot use the wireless Connection.	 Check if the Wireless LAN access Point (AP) (e.g. Wireless Networks) is oriented properly or not placed too Close between them. Once you have activated the wireless Connection please wait 30 Seconds for the Connection to be established after Turning On the unit, before trying to access Network features.
Cannot use Easy Connect (PBC) to connect to the access Point.	 Connect the unit to the access Point using "Auto Scan" or "Manual" entry mode. If the access Point's security mode is set to WEP*, change the setting to AES+TKIP (recommended), then try Easy Connect (PBC) again. (For access Point configuration, please consult its user Manual or manufacturer.) * WEP is not recommended to be used due to its major security flaws. Change the security protocol on the Wireless Networks to AES+TKIP (recommended) mode.

Error Message

Error message	Cause	Solution
Disc Error Playback feature may not be available on this Disc. Press [OK] to Eject the Disc.	 Unplayable disc is inserted in the unit. The disc is upside down. 	 Insert a standardized playable disc which bear the Logos on page 36. Insert the disc with the labeled side facing up.
Region Error Playback is not Authorized in your Region.	 Playback is not authorized in the region of the DVD-Video which you inserted in the unit. 	 Insert the DVD-Video with region Codes 1 or ALL.
Parental Lock On The current Selected parental level prohibits Playback.	• The current Selected parental level prohibits Playback.	Check 'DVD Rating Level' setting in ''Playback'' Menu.
Recording Error This Program is not allowed to be Recorded.	 The Recording function encountered a copy protection Program. 	 Copy-righted Programs cannot be Recorded on this unit at any time. The unit will Stop Recording at any Point and will Display the message. Please contact your Programming provider for type of copy protection applied to Program.
Recording Error You cannot Record as this is an unsupported Disc.	 You are trying to Record onto the disc which is unrecordable or the disc status is unable to Record. The disc is dirty. The disc is damaged 	 Insert the Recordable Disc and ensure the disc status satisfies the Recording requirements. (Refer to page 28) Clean the disc with a cleaning cloth. (Refer to page 4) Replace the disc.
Recording Error Disc is full. (No area for new Recording)	 You are trying to Record onto the disc which has no space for Recording. 	 Insert a Recordable Disc with enough Recording space.
Recording Error You cannot Record more than 99 Titles on one disc. (The maximum is 99)	• You are trying to Record onto the disc on which the number of Recording Titles comes up to the maximum (99).	 Delete unnecessary Titles. (Refer to page 41)
Recording Error You cannot Record on this disc as Power Calibration Area is full.	 When Recordings are performed repeatedly onto an unstable disc, this area may become full. 	 Insert a new disc. If using a DVD-RW try to format the disc by "Format". (Refer to page 65)
	 Every time you insert a disc for Recording, the disc's working area will be taken up. And if you repeat this frequently, it will be used up sooner and you may not be able to Record the full 99 Titles. 	
Recording Error This disc is already finalized	• You are trying to Record onto the disc already finalized.	 Release the finalizing for this disc. (Refer to page 65)
Recording Error You cannot Record more than 2000 Titles on HDD. (The maximum is 2000).	You are trying to Record onto the HDD when total Title number is already at its limit.	Delete unnecessary Titles. (Refer to page 41)
Recording Error Cannot Record on this HDD	 The internal HDD is dirty or damaged. There is not enough space on the internal HDD. 	 Contact the customer service center. Delete unnecessary Titles. (Refer to page 41)
Please check the USB Device. Cannot find External HDD, Or External HDD which cannot be Recorded in this Device is connected.	The connected External HDD cannot be recognized on this unit.	 You need to Register an External HDD to this unit.

Error message	Cause	Solution
—Please check the USB Device,— Abnormality occurred in USB Connection. USB device has been Stopped automatically.	• The connected External HDD is detected to have an overcurrent condition.	Please disconnect the External HDD.
—Please Check the External HDD Device.— Cannot find External HDD. Or connected External HDD cannot Record on this Unit. Press[OK].	 The External HDD is not connected. The External HDD does not have enough space to complete the Recording. The External HDD is unregistered. 	 Check if External HDD is not connected properly. Check if the External HDD has enough space. Check if the External HDD has been Registered to this unit.
You Cannot Operate this During Moving.	 You cannot Play the Title which is being dubbed while moving it. 	Cancel the Dubbing when necessary.Wait until the Dubbing is finished.

• If you are still having trouble with the unit after checking 'Troubleshooting' items, write down the error description when calling our help line mentioned on the front page to locate an authorized service center.
Glossary

Analog Audio

An electrical signal that directly represents sound. Compare this to Digital Audio which can be an electrical signal, but is an indirect representation of sound. See also "Digital Audio".

Aspect Ratio

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the TV screen is almost square); widescreen models are 16:9 (the TV screen is almost twice as wide as it is high).

AVCHD

AVCHD is a format for high definition Video camcorders which can Record ans Play high-resolution HD image.

Block Noise

A distortion of Digital images in the shape of blocks caused by the application of Data compression.

Chapter

Just as a book is split up into several Chapters, a Title on HDD is usually divided into Chapters. See also "Title".

Digital Audio

An indirect representation of sound by Numbers. During Recording, the sound is measured at discrete intervals (44,100 Times a second for CD Audio) by an Analog-to-Digital converter, generating a stream of Numbers. On Playback, a Digital-to-Analog converter generates an Analog signal based on these Numbers. See also "Sampling Frequency" and "Analog Audio".

Dolby Digital

The system to compress Digital Sound developed by Dolby Laboratories. It offers you sound of stereo(2ch) or multi Channel Audio.

Finalize

To make DVD, which have been Recorded on, possible to Play in DVD players. With this unit, it is possible to finalize DVD-RW, and DVD-R.

HDMI (High-Definition Multimedia Interface)

A Digital interface between Audio and Video Source. It can transmit component Video, Audio, and control signal with one Cable Connection.

HDMI CEC (Consumer Electronics Control)

This allows you to operate the linked functions between our brand devices with CEC feature and this unit. We do not guarantee 100% interoperability with other brands of CEC compliant devices.

JPEG (joint photographic experts group)

JPEG is a method of compressing still image files. You can copy JPEG files from your personal computer to a disc, and Play them back on this unit.

Network Server

A live Program or the contents Recorded by this unit can be viewed through your Smartphone / Tablet using Mobile Apps if the unit and your Smartphone / Tablet are connected on the same Router / home Network.

PCM (Pulse Code Modulation)

The most common system of encoding Digital Audio, found on DAT. Excellent quality, but requires a lot of Data compared to formats such as Dolby Digital and MPEG Audio. For compatibility with Digital Audio Recorders (MD and DAT) and AV amplifiers with Digital inputs, this unit can convert Dolby Digital and MPEG Audio to PCM. See also "Digital Audio".

Region Code

Regions associate discs and players with particular areas of the world. This unit will only Play discs that have compatible region Codes. You can find the region Code of your unit by looking on the rear panel. Some discs are compatible with more than one region (or all regions).

Sampling Frequency

The rate which sound is measured by a specified interval to turn into Digital Audio Data. The Numbers of sampling in one second defines as sampling frequency. The higher the rate, the better the sound quality.

Title

A collection of Chapters on HDD. See also "Chapter".

Track

Audio CD use tracks to divide up the content of a disc. The DVD equivalent is called a Chapter. See also "Chapter"

Specifications

Ge	neral	MDR868H	MDR867H	MDR865H			
HDI	D	2TB	1 TB	500 GB			
Pow	ver requirements	120V AC +/- 10%, 60H	Hz +/- 5%				
Power Consumption		35W (Standby: 0.3W)	35W (Standby: 0.3W)	30W (Standby: 0.3W)			
Dimensions(width \times height \times depth)		16.5 × 2.4 × 12.0 inche	es (420 × 60.1 × 305mm)				
Weight		7.3 lbs. (3.3kg)	6.9 lbs. (3.1kg)	6.2 lbs. (2.8kg)			
Оре	erating temperature	41°F (5°C) to 104°F (40°C)				
Оре	erating humidity	Less than 80% (no cor	ndensation)				
TV s	system	ATSC standard					
Re	cording						
Recording format		Video format					
Reco	ording discs	DVD-Rewritable, DVD)-Recordable				
Vid	eo Recording format						
Con	npression format	MPEG 2, MPEG-4 AVC	C/H.264				
Auc	dio Recording format	B. H. B. I. I. M. B. G. A.					
Con	npression format	Dolby Digital, MPEG-2	AAC				
Tur	ner						
Tuni	ng system	Channel frequency syr	nthesized tuning system				
Cha	annel coverage (ATSC)						
Ove	er-the-Air	VHF 2~13, UHF 14~6	59 (Digital)				
Cab							
ler	minals	MDR868H	MDR867H	MDR865H			
	Video input BCA jack x 1	1Vp-p (75 0)					
Ħ	Audio L / R input	1 V P P (/ 3 22)					
5	RCA jack × 2	2V rms (output imped	lance: more than $1k\Omega$)				
	S-Video input	× 1 1	,				
	Mini DIN 4-pin x 1	Y:1Vp-p (75 Ω) C:2	86mVp-p(75) Ω				
	VHF/UHF/Cable TV						
	input and output	750					
	F-type	$/5\Omega$ unbalanced					
	HDMI output HDMI jack x 1	supporting Video signa	als · 480p-1080p_60Hz				
	USB		····				
	USB terminal × 1	(for External HDD and	d for USB memory stick using Softw	vare Update)			
	LAN	10BASE-T/100BASE-	TX 10BASE-T/100BASE-TX	non			
	Ethernet port x 1	100, 02 1, 1000, 02					
ear	Wireless LAN Wireless LAN module x 1	IEEE802.11g/b/n	IEEE802.11g/b/n	non			
æ	Video input						
	RCA jack × 1	1Vp-p (75 Ω)					
	Audio L / R input						
		∠v rms (output impec	sance: more than $IK\Omega$)				
	RCA jack x 1	1Vp-p (75 0)					
	Audio L / R output	··· P P (/ 342)					
	RCA jack × 2	2V rms (output imped	lance: more than 1k Ω)				
	Optical Digital Audio output						
	Optial jack × 1	Optical connector					

Note(s)

• The specifications and design of this product are subject to change without notice.

Language Code

Language	Code	Language	Code	Language	Code	Language	Code
Abkhazian	4748	Greek	5158	Nauru	6047	Telugu	6651
Afar	4747	Greenlandic	5758	Nepali	6051	Thai	6654
Afrikaans	4752	Guarani	5360	Norwegian	6061	Tibetan	4861
Albanian	6563	Gujarati	5367	Occitan	6149	Tigrinya	6655
Amharic	4759	Hausa	5447	Oriya	6164	Tonga	6661
Arabic	4764	Hebrew	5451	Oromo (Afan)	6159	Tsonga	6665
Armenian	5471	Hindi	5455	Panjabi	6247	Turkish	6664
Assamese	4765	Hungarian	5467	Pashto; Pushto	6265	Turkmen	6657
Aymara	4771	Icelandic	5565	Persian	5247	Twi	6669
Azerbaijani	4772	Indonesian	5550	Polish	6258	Ukrainian	6757
Bashkir	4847	Interlingua	5547	Portuguese	6266	Urdu	6764
Basque	5167	Interlingue	5551	Quechua	6367	Uzbek	6772
Bengali;Bangla	4860	Inupiak	5557	Rhaeto-	(450	Vietnamese	6855
Bhutani	5072	Irish	5347	Romance	6459	Volapuk	6861
Bihari	4854	Italian	5566	Romanian	6461	Welsh	4971
Bislama	4855	Japanese	5647	Russian	6467	Wolof	6961
Breton	4864	Javanese	5668	Samoan	6559	Xhosa	7054
Bulgarian	4853	Kannada	5760	Sangho	6553	Yiddish	7155
Burmese	5971	Kashmiri	5765	Sanskrit	6547	Yoruba	7161
Byelorussian	4851	Kazakh	5757	Scots Gaelic	5350	Zulu	7267
Cambodian	5759	Kinyarwanda	6469	Serbian	6564		
Catalan	4947	Kirghiz	5771	Serbo-Croatian	6554		
Chinese	7254	Kirundi	6460	Sesotho	6566		
Corsican	4961	Korean	5761	Setswana	6660		
Croatian	5464	Kurdish	5767	Shona	6560		
Czech	4965	Laothian	5861	Sindhi	6550		
Danish	5047	Latin	5847	Singhalese	6555		
Dutch	6058	Latvian; Lettish	5868	Siswat	6565		
English	5160	Lingala	5860	Slovak	6557		
Esperanto	5161	Lithuanian	5866	Slovenian	6558		
Estonian	5166	Macedonian	5957	Somali	6561		
Faroese	5261	Malagasy	5953	Spanish	5165		
Fiji	5256	Malay	5965	Sundanese	6567		
Finnish	5255	Malayalam	5958	Swahili	6569		
French	5264	Maltese	5966	Swedish	6568		
Frisian	5271	Maori	5955	Tagalog	6658		
Galician	5358	Marathi	5964	Tajik	6653	-	
Georgian	5747	Moldavian	5961	Tamil	6647		
German	5051	Mongolian	5960	Tatar	6666		

OTHERS

LIMITED WARRANTY NINETY (90) DAY LABOR / ONE (1) YEAR PARTS

WARRANTY COVERAGE:

This warranty obligation is limited to the terms as set forth below.

WHO IS COVERED:

This product warranty is issued to the original purchaser or the person receiving the product as a gift against defects in materials and workmanship as based on the date of original purchase ("Warranty Period") from an Authorized Dealer. The original sales receipt showing the product name and the purchase date from an authorized retailer is considered such proof.

WHAT IS COVERED:

This warranty covers new products if a defect in material or workmanship occurs and a valid claim is received within the Warranty Period. At its option, the company will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a new or refurbished product at company's option.

Replacement products or parts provided under this warranty are covered against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes company property. Note: Any product sold and identified as refurbished or renewed carries a ninety (90) day limited warranty.

Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay.

WHAT IS NOT COVERED - EXCLUSIONS AND LIMITATIONS:

This Limited Warranty applies only to new company manufactured products that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any hardware product or any software, even if packaged or sold with the product, as manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

The company is not liable for any damage to or loss of any programs, data, or other information stored on any media contained within the product, or other additional product or part not covered by this warranty. Recovery or reinstallation of programs, data or other information is not covered under this Limited Warranty.

This warranty does not apply (a) to damage caused by accident, abuse, misuse, neglect, misapplication, or non-supplied product, (b) to damage caused by service performed by anyone other than company approved Authorized Service Location, (c) to a product or a part that has been modified without written company permission, or (d) if any serial number has been removed or defaced, or (e) product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished product sold "AS IS" by some retailers.

This Limited Warranty does not cover:

- Shipping costs for returning defective product.
- Labor charges for installation or setup of the product, adjustment
 of customer controls on the product, and installation or repair of
 antenna/signal source systems outside of the product.
- Product repair and/or part replacement because of improper installation or maintenance, connections to improper voltage supply, power line surge, lightning damage, retained images or screen markings resulting from viewing fixed stationary content for extended periods, product cosmetic appearance items due to normal wear and tear, unauthorized repair or other cause not within the control of the company.
- Damage or claims for products not being available for use, or for lost data or lost software.
- Damage from mishandled shipments or transit accidents when returning product.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Product lost in shipment and no signature verification receipt can be provided.
- Failure to operate per Owner's Manual.

TO OBTAIN ASSISTANCE ...

Contact the Customer Care Center at: 1 866 341 3738

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER, WITH THE ISSUING COMPANY NOT LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

FUNAI CORPORATION, Inc. 19900 Van Ness Avenue, Torrance, CA 90501

13. ESPAÑOL

Control remoto



(*) La unidad también se puede encender presionando estos botones.

1 Botón 🕛 (Encendido)

 Presione para encender la unidad, o para poner la unidad en modo de Espera. (Para apagar la unidad completamente, debe desconectar el cable de energía CA)

2 Botón TITLE (Título)

- Presione para mostrar la Lista de título HDD/EXT HDD.
- Presione para mostrar el Menú de disco DVD. Seleccione "Menu principal" o "Menu".

3 Botones ▲/▼/◀/► (Cursor)

Presione para seleccionar elementos o ajustes. Botón ➤ REPLAY (Repetir) (◄) Botón → SKIP (Omitir) (►)

• Durante la Reproducción, presione para Saltar o Retroceder durante una cierta cantidad de tiempo Mientras se mantengan apretadas.

4 Botón **BACK** (Atrás)

 Presione para regresar al Menú o pantalla mostrados anteriormente.

5 Botón AUDIO

- Presione para cambiar al Idioma de audio para la TV.
- Presione para mostrar el Menú de audio durante la reproducción.

6 Botón **DISPLAY**

Presione para encender o apagar el menú de Pantalla.

7 Botón < (Retroceso)

 Durante la reproducción, presione para Retroceder rápido la reproducción.

8 Botón I◀◀ (anterior)

 Durante la reproducción, presione H para regresar al inicio del capítulo actual y después presione H como se necesite para regresar al (los) capítulo(s) previo(s).

9 Botón **■** (detener)

- Presione para detener la Reproducción o Grabación.
 Botones de número
 - Presione para seleccionar los números de Canal.
 - Presione para ingresar los Números y letras.

Botón • (punto)

 Presione los botones de punto y menor para seleccionar la parte menor de la selección de Canal Digital realizada con los botones de número y punto [por e], 6 → . → 1 = Ch 6.1].

11 Botón CLEAR (Borrar)

Presione para borrar la información una vez que se ingrese.

12 Boton HDD/EXT.HDD

• Presione para seleccionar el modo HDD o el modo de HDD Externo.

13 Botón 📥 (Abrir/Cerrar) *

- Presione para abrir o cerrar la charola de disco.
- 14 Botón HOME (Inicio)
 - Presione para mostrar el Menú de Inicio.

15 Botón MENU (Menú)

Presione para desplegar el Sub Menú.

16 Botón OK

 Presione para confirmar o determinar los elementos seleccionados en el Menú.

17 Botón [→ EXIT (Salida)

• Presione para salir de varias pantallas o ventanas.

18 Botón INFO

 Presione para mostrar la información sobre el Programa actual o el Título que se está reproduciendo actualmente.

19 Botón SOURCE (Fuente)

 Presione para seleccionar la TV o la Entrada apropiado.

20 Botón ► (Reproducción) *

• Presione para Iniciar la reproducción o reanudar la reproducción.

21 Botón ►► (Avance rápido)

• Durante la Reproducción, presione para Avanzar rápido la reproducción.

22 Botón ►►I (Siguiente)

 Durante la reproducción, presione para saltar al Siguiente capítulo.

23 Boton II (Pausa) PAUSE TV (Pausa de TV)

- Presione para pausar la Reproducción o Grabación.
 - Mientras ve la TV en vivo, presione para comenzar a grabar, y después vuelva a presionar para reproducir desde el inicio de la grabación.

24 Botones CH +/-

• Presione para cambiar el canal hacia arriba o abajo.

Presione para mover las páginas hacia arriba o abajo.

25 Botón SCHEDULE REC. (Programar grabación)

 Presione para Mostrar la Lista de programación de grabación.

26 Botón REC (Grabación)

- Presione una vez para comenzar la grabación.
- Presione repetidamente para iniciar OTR (Grabación de un toque) y ajuste el tiempo de grabación.

27 Botón DVD

• Presione para seleccionar el modo de DVD.

Grabación básica y Grabación de temporizador de un toque

Siga los pasos siguientes para grabar un programa de TV.

- Seleccione un medio a grabar.
 - Si desea hacer una grabación en un HDD, presione [HDD/EXT.HDD] repetidamente para ajustar en modo HDD.
 - Si desea hacer una grabación en un HDD Externo, Entonces, presione [HDD/EXT.HDD] repetidamente para ajustar el modo de HDD Externo.
 - Si desea hacer una Grabación en un DVD, necesita insertar un disco grabable. Después, presione [DVD] para ajustar el modo DVD.
- 2 Seleccione un canal a grabar con [CH +/-], o [Botones de número].
 - Si desea hacer una grabación desde una Fuente de entrada externa, presione [SOURCE(Fuente)] repetidamente para Seleccionar la Fuente de entrada deseada.
- 3 Presione [MENU], después Seleccione "Modo" con [▲/▼], y presione [OK]. Después seleccione un modo de grabación con [▲/▼], y presione [OK].
- 4 Presione [REC (Grabación)] para comenzar la Grabación.

"●" se mostrará durante 2 segundos. Presione [II(Pausa)] para pausar la grabación. Presione [II(Pausa)] de nuevo para reiniciar la grabación.

Para ajustar la grabación de temporizador de un toque (OTR)

Ésta es una manera simple de ajustar el tiempo de grabación en bloques de 15 minutos.

Presione **[REC (Grabación)]** repetidamente hasta que aparezca el Tiempo de grabación deseado (15 minutos a 4 horas) en la pantalla de la TV.

Comenzará la grabación de temporizador de un toque.



Para cambiar la duración de grabación durante la grabación de temporizador de un toque:

Presione **[REC (Grabación)]** repetidamente hasta que aparezca la duración deseada.

- 5 Presione [**(detener)**] para detener la grabación.
 - Aparecerá el mensaje de confirmación. (Continuará la grabación.) Seleccione "Sí" para detener la grabación. Seleccione "No" para continuar la grabación.
 - También puede detener la grabación presionando el botón [**II**(**Detener**)] dos veces en el Paso 5.

Para Detener la Grabación de Temporizador de Un Toque dentro del tiempo especificado:

 Presione [(Detener)]. Aparecerá el mensaje de confirmación. Seleccione "Sí" para detener la grabación.

😑 Nota(s)

- Cuando la reproducción de un programa grabado esté bloqueada por el bloqueo para niños, aparece un mensaje en la pantalla de TV. En tal caso, revise el ajuste de Bloqueo para niños (V-Chip).
- Mientras el HDD / HDD externo / DVD esté en reproducción, [REC (Grabación)] no está disponible. Detenga la reproducción antes de usar la grabación básica o la grabación de temporizador de un toque.
- Cuando presione [REC (Grabación)], la grabación comienza inmediatamente y continúa hasta que el HDD o HDD Externo o DVD esté lleno, un Programa se graba hasta 8 horas o hasta que detenga la grabación.
- Cuando el reloj de la unidad no se ha ajustado todavía y el ajuste de reloj automático está ajustado en "Apdo.", la unidad entrará en "Ajste Manual de Reloj" o si el ajuste de reloj automático está ajustado en "Enc.", la unidad entrará en la pantalla de Búsqueda de datos de reloj para ajustar la fecha y hora par esta unidad.
- Si la reproducción y grabación están en progreso al mismo tiempo y presiona [**II**(Detener)], la reproducción se detendrá.
- Durante la grabación, se prohíbe cambiar el canal [sólo MDR865H].
- Cuando la grabación y transferencia estén en progreso al mismo tiempo y presiona [**(Detener)**], aparecerá la ventana de Confirmación de cancelación de transferencia.

😑 Nota para Grabación de temporizador de un toque

- Presione [DISPLAY] para ver el Tiempo de grabación restante.
- No puede usar la función de Pausa durante la grabación de temporizador de un toque.

Grabación programada

Puede programar la unidad para grabar hasta 100 programas dentro de un mes por anticipado. Programar grabaciones diario o semanalmente también está disponible.

Antes de grabar, asegúrese de...

- Ajuste el reloj antes de ajustar una grabación programada.
- Registre un HDD Externo con esta unidad con anticipación su Graba a un un HDD Externo.
- Si graba a un DVD, inserte un Disco grabable en esta unidad.

Guía para Pantalla de Grabación programada



1. Título de grabación programada (Contiene el

FS

Nombre de título, Fecha, Hora, Canal y Estación de transmisión.)

- 2. Fecha y hora actual
- 3. Icono de grabación (Aparece cuando la Grabación está en progreso)
- 4. Medio de grabación ("" (HDD) o "" (HDD Externo) o (DVD))
- 1 Presione [SCHEDULE REC. (Programar grabación)].
- 2 Seleccione "Prog. nuevo" con [▲/▼], y presione [OK].
 - El cursor estará en "Prog. nuevo".
- 3 Ingrese la fecha con [▲/▼], después presione [►(Cursor)].



- 4 Ingrese una hora de inicio y final y seleccione "AM" o "PM" con [▲/▼/◀/▶], y presione [▶(Cursor)].
 - No puede hacer un programa de grabación programada que exceda 8 horas.
- 5 Seleccione un Canal o Entrada externa a grabar con [▲/▼/◀/▶], y presione [▶(Cursor)].
- Seleccione el Medio de grabación ("HDD" o "HDD externo" o "DVD"), y presione
 [►(Cursor)].
- 7 Seleccione "Modo (XX)" con [▲/▼], y presione [OK]
 - Seleccione un modo de Grabación deseado.
- 8 Seleccione "Ajuste de carpeta" con [▲/▼], y presione [OK]
 - Seleccione una Carpeta deseada para guardar el Programa grabado.
 - Si no tiene una Carpeta para guardar el Programa grabado, Seleccione "Nueva carpeta" e ingrese el nombre de Carpeta con el teclado de Software en pantalla.

Grabación alterna

En los siguientes casos, la unidad detectará y grabará automáticamente en el HDD aunque se seleccione HDD Externo o DVD como medio de grabación.

- Si un HDD Externo no está conectado.
- Si no hay disco grabable en la unidad.
- Si el HDD Externo o DVD no tiene suficiente espacio para completar la grabación.
- La unidad no puede Grabar al HDD Externo conectado (HDD Externo si no está registrado).
- Si el material es un programa de "única copia" y se prohíbe grabar a un DVD.
- Si el Disco no está disponible porque el proceso de reparación se canceló a la mitad.

Esta función sólo está disponible para la Grabación programada y no está disponible para Grabación con temporizador de un toque.

9 Cuando se ingresan todos los elementos, seleccione "Aceptar", y presione [OK] de nuevo.

Programar grabación				
				Aceptar

Ahora se guarda su Ajuste de programa.

- Para ajustar otro programa, repita el paso 2 a 9.
- Presione [[+ (Salida)] para Salir.
- Cuando 2 o más programas se sobreponen, aparece un mensaje de error y el Programa sobrepuesto se mostrará en azul con un icono A en el lado izquierdo.
- Para corregir la Grabación programada, consulte Verificación, Eliminación o Corrección de información de Grabación programada' en la pagina 80

😑 Nota(s)

- Si no ha ajustado el reloj aún: Aparecerá la pantalla de ingreso de reloj en lugar de la Lista de grabación programada en el Paso 1. Continúe con los pasos en 'Ajste Manual de Reloj' o 'Ajuste Auto. de Reloj' antes de ajustar una Grabación programada.
- Use [</>] para mover el cursor a la izquierda y a la derecha en la pantalla de ingreso para la Grabación programada.
- No puede hacer un programa de grabación programada que exceda 8 horas.

Para detener la Grabación programada en progreso

- 1. Presione [**(Detener**)] en el control remoto.
- Aparecerá el mensaje de confirmación. Seleccione "Sí", después presione [OK].

Verificación, Eliminación o Corrección de información de Grabación programada

- 1. Presione [SCHEDULE REC. (Programar grabación)].
- 2. Verifique la información.



3. A: Para borrar una grabación programada:

- 1 Use [▲/▼] para seleccionar el programa que desea eliminar, y presione [CLEAR (Borrar)].
 - Aparecerá el mensaje de confirmación.
- Use [▲/▼] para seleccionar "Sí", después presione [OK].
- 3. B: Para borrar varias grabaciones programadas:
 - Presione [MENU] para moverse al Sub-menú y seleccione "Borrar prog. múlt." con [▲/▼], y presione [OK].
 - Seleccione el Programa que desea eliminar con [▲/▼], y presione [OK].
 - El icono de verificación aparecerá para la Grabación programada seleccionada para eliminación.
 - 3 Repita el paso 2 hasta que seleccione todos los programas que desea eliminar.
 - Para eliminar el lcono de verificación para eliminación, mueva el cursor al Programa seleccionada y presione [OK].
 - 4 Presione [►(Cursor)] para seleccionar [OK] en la pantalla, y presione [OK].
 - Aparecerá el mensaje de confirmación.
 - 5 Seleccione "Sí" con [▲/▼], y presione .[OK]
- 3. C: Para corregir la Grabación programada:
 - Seleccione el Programa que desea corregir con [▲/▼], y presione [MENU].
 - 2 Seleccione"Cambio program" con [▲/▼], y presione [OK].
 - 3 Corrija la Información de la Grabación programada con [▲/▼/◀/▶], y presione [OK].

😑 Nota(s)

 Con la grabación programada en progreso (que se muestra en rojo en la lista de grabación programada), sólo puede editar el tiempo final.

Omitir el Periodo de Grabación programado

Puede desactivar el periodo de Grabación programada (diario, MARTES-SÁBADO, LUNES-S+ABADO, LUNES-VIERNES o semanal) temporalmente.

- Presione [SCHEDULE REC. (Programar grabación)].
- Seleccione el programa de grabación programada periódico que desee omitir con [▲/▼], después presione [MENU].
- Seleccione "Omitir" con [▲/▼], después presione [OK] para activar el ajuste.
 - "Omitir" aparecerá en el lado izquierdo en la Grabación programada, si "Omitir" está activado.
 - El ajuste regresará a Apagado después que se omita el programa una vez.

Si la Grabación programada no se completó correctamente, () aparece en la Lista de Grabación programada.

0 🖀					
	LUN 06/01	4:15 AM	5:15 AM	WPHL-D1	FHD2
HID					
					FHD2
1000					
1120					

- Un programa que no se completó correctamente se indica en gris en la Lista de Grabación programada.
- Para verificar el mensaje de error de Grabación programada, seleccione el programa que no se completó correctamente y presione [OK].

Consejos para grabación programada

- Si hay una falla de energía o se desconectó la unidad, se perderá el ajuste del reloj. Se conservará la Grabación programada. (Si se seleccionó el Reloj Manual entonces debe ajustar el Reloj para que se realicen las Grabaciones programadas guardadas.)
- Cuando grabe a un HDD Externo, si el HDD Externo no está registrado, la unidad realizará la Grabación alterna al HDD (consulte la página 79).
- Cuando grabe a un DVD, si se inserta un disco no grabable en esta unidad, la unidad realizará una Grabación alterna al HDD (consulte la página 79).
- Cuando el Tiempo de inicio y final programado sean antes que la Hora actual, el ajuste no se aceptará y se resaltará el campo de Fecha.
- Si el tiempo de inicio es anterior y el tiempo final es después de la hora actual, la grabación comenzará justo después que presione [OK] en el paso 9 en la página 79.
- Está prohibido cambiar el canal durante 2 segundos antes del tiempo de inicio programado.[sólo MDR865H]
- [REC (Grabación)] no funciona desde 2 minutos antes del Tiempo de inicio programado. Si se enciende 2 minutos antes de la hora de inicio durante la grabación básica o de temporizador de un toque, la grabación en progreso se detendrá.

号 Nota(s)

- Durante la grabación básica / grabación de temporizador de un toque / grabación programada, si ajusta una grabación programada que comience de inmediato, aparecerá un mensaje en la pantalla solicitando si desea detener la grabación en progreso y comenzar la grabación de temporizador. Elija "Sí" si desea iniciar la Grabación programada de inmediato.
- La grabación básica o grabación de temporizador de un toque se detendrá cuando inicie la grabación programada.
- La grabación se detendrá temporalmente si se recibe una señal codificada.
- Cuando el ajuste de horario de verano esté "encendido", no se grabará una grabación programada que tenga una hora de inicio y final entre 2:00 AM y 2:59 AM en el segundo domingo de marzo.

Prioridad de Ajustes Sobrepuestos

- Se dará prioridad a una grabación programada que se ajustó después de un programa previo sobre éste cuando estas grabaciones programadas se sobrepongan.
- Cuando 2 o más grabaciones programadas se sobrepongan, el programa con una hora de inicio posterior tendrá prioridad.
- Una grabación programada de menor prioridad se cancelará o comenzará a la mitad.
- Revise las grabaciones programadas sobrepuestas y cambie la prioridad si es necesario.

Cuando la hora de inicio es la misma:

Para **MDR865H**, un programa ajustado más tarde (Programa B) tiene prioridad.

Programa A		
Programa B		
Grabación real	Programa B	

Para **MDR868H** y **MDR867H**, un programa ajustado más tarde (Programa B y Programa C) tiene prioridad.

Programa A		0 0 0
Programa B		
Programa C		
Currhand for used	Programa B	
Grabación real	Programa C	

Cuando el tiempo final del programa que se está grabando actualmente y el tiempo de inicio del programa siguiente sean el mismo:

El final del Programa A se puede cortar durante aproximadamente 20 segundos. Cuando grabaciones programadas se sobrepongan, la grabación programada en progreso finalizará 20 segundos antes que inicie la siguiente grabación programada.

Programa A Programa B		
Grabación real	Programa A	Prog. B

Cuando grabe a un DVD, los primeros 2 minutos (como máximo) del inicio del Programa B se pueden cortar.

PAUSA DE TV

Mientras ve la TV, al presionar [II(PAUSA DETV)] comenzará la grabación del Programa de TV que se está viendo actualmente en el HDD. Esta función es útil cuando deje temporalmente la TV.

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Mientras ve un Programa en pausa en la TV, presione [II(PAUSA DE TV)].

- Esta unidad cambiará automáticamente a modo HDD y comenzará a grabar el programa que se está viendo en la TV actualmente.
 (Modo grabación: fijo en modo "FHD2")
- El programa de TV en la pantalla parecerá estar en pausa.

"Pausa de TV" Reproducción:

1. Durante "Pausa de TV", presione

[II(PAUSA DETV)].

 Se quitará la pausa al programa de TV que se está viendo actualmente y se reanudará desde el punto en el que inició "Pausa de TV".

"Pausa de TV" Detener:

- Durante "Pausa de TV", presione [[→(Salida)] o [[(Detener)].
 - Aparecerá la Lista de título.
- Presione [[+ (Salida)].
- 3. Presione[[→(Salida)] o [■(Detener)].
- Aparecerá el mensaje de confirmación.
- 4. Seleccione "Sí" con [▲/▼], después presione [OK].
- "Pausa de TV" se detiene.

"Pausa de TV" Paro automático:

"Pausa de TV" se Detendrá automáticamente cuando:

- Pasaron 4 horas desde que inició la "Pausa de TV".
- El HDD se llena durante "Pausa de TV".
- Comienza una grabación programada.

"Pausa de TV" Borrar:

El Título grabado con "Pausa de TV" no se borrará al detener simplemente con "Pausa de TV".

- 1. Presione [TITLE (Título)].
- Seleccione el Título que tiene III, y presione [CLEAR (Borrar)].
- 3. Seleccione "Sí" con [▲/▼], después presione [OK].
- El Título "Pausa de TV" se borrará.

El Título "Pausa de TV" se sobrescribirá si se realiza otra "Pausa de TV".

- 1. Mientras ve un programa de TV, presione [II(PAUSA DE TV)].
- Aparecerá el mensaje de confirmación. Seleccione "Sí" con [▲/▼], y presione [OK]
- La nueva "Pausa de TV" iniciará y el Título "Pausa de TV" anterior se borrará.

号 Nota(s)

- Cambiar el Canal durante "Pausa de TV" no afectará la grabación actual. ("Pausa de TV" no se detendrá y el Título de "Pausa de TV" que se está grabando no se borrará.)
- "Pausa de TV" no iniciará cuando:
 - Durante la Grabación básica presionando [REC (Grabación)].
 - Durante la Grabación programada.
 - Durante la transferencia

Durante Reproducción

Reproducción rápida

Puede reproducir en un modo ligeramente más rápido mientras mantiene la salida de sonido.

1. Durante la reproducción, presione [►(Reproducción)].



- Reproducción aproximadamente a 1.3 veces de la reproducción normal.
- Presione [► (Reproducción)] para regresar a la Reproducción normal.

😑 Nota(s)

- El ajuste de Audio (Idioma) no se puede cambiar mientras usa este modo.
- Esta función puede no operar en algunos puntos del disco.
- El audio es PCM durante el modo de reproducción rápida excepto cuando use la conexión de audio digital.

Reproducción Simultánea durante Grabación y Reproducción simultánea y Grabación

Puede continuar grabando un programa mientras reproduce otro título. Puede reproducir un Título que se está grabando desde el inicio mientras continúa la grabación.

- 1. Durante la grabación, presione [TITLE (Título)].
- Seleccione un Título que desee reproducir, después presión [►(Reproducción)].
 - Comenzará la persecución de reproducción.
- Presione [II(Detener)] una vez para detener la Reproducción.
 - Presione [[+ (Salida)] para salir de la Lista de
 - título, después presione **[Detener)]**, detendrá la grabación.
 - Aparecerá el mensaje de confirmación. (Continuará la grabación.)
 - Seleccione "Sí" para detener la grabación. Seleccione "No" para continuar la grabación.

号 Nota(s)

Cuando reproduce un título que se está grabando.

 También puede usar las funciones especiales de Reproducción tales como

[>> (Avance rápido)],[<< (Retroceso)], etc.

 No puede avanzar más la reproducción cuando está a unos segundos antes del punto de grabación actual.

Cambio de Subtítulos

Puede "Enc." o "Apdo." los subtítulos mientras reproduce un título con datos de subtítulos.

- 1. Presione [MENU] durante la reproducción.
- Aparecerá la ventana de Sub Menú.
- Seleccione "Subtítulos" con [▲/▼], después presione [OK].
- Seleccione "Apdo." o "Enc." con [▲/▼], después presione [OK].

Cuando cambie este ajuste, también cambiará el ajuste "Subtítulos" en el Menú de configuración.

El DVD de vídeo puede tener subtítulos en 1 o más idiomas. Los

idiomas de subtítulo disponibles se pueden encontrar en la caja del disco. Puede cambiar los idiomas de subtítulo en cualquier momento durante la reproducción.

- 1. Presione [MENU] durante la reproducción.
 - Aparecerá la ventana de Sub Menú.
- Seleccione "Subtítulo" con [▲/▼], después presione [OK].
- Seleccione el Idioma de subtítulo deseado con [▲/▼], y presione [OK].

 El subtítulo se mostrará en el Idioma seleccionado. Cuando seleccione "Apdo.", desaparecerán los subtítulos.

😑 Nota(s)

- Algunos discos sólo le permitirán cambiar el subtítulo del menú de disco, Presione [TITLE (Título)] para mostrar el Menú del disco.
- Si aparece un código de idioma de 4 dígitos en el Menú de subtítulo, consulte 'Language Code' en la página 75.

Repetir reproducción

- 1. Presione [MENU] durante la reproducción.
 - Aparecerá la ventana de Sub Menú.
- Seleccione "Repetición" con [▲/▼], después presione [OK].
- Seleccione el modo de repetición deseado con [▲/▼], y después presione [OK].

	Apagado	
HDD/HDD Externo/DVD	Título	
	Capítulo	
	Apagado	
Audio CD/JPEG	Todos	
	Pista	

Repetir título:

• Se reproducirá el Titulo actual repetidamente.

Repetir capítulo:

- Se reproducirá el Capítulo actual repetidamente.
- Repetir todo:
- Todos los títulos en el medio se reproducirán repetidamente.

Repetir pista:

· La pista o archivo actual se reproducirá repetidamente.

Reducción de Ruido de Bloque

Esta función reduce el ruido en la imagen de reproducción.

- 1. Presione [MENU] durante la reproducción.
 - Aparecerá la ventana de Sub Menú.
- Seleccione "Reducción de ruido" con [▲/▼], después presione [OK].
- Seleccione el ajuste deseado con [▲/▼], después presione [OK].

CLEAR+

Esta función mejora el contraste de la imagen y hace los bordes nítidos.Esta función se activa sólo cuando la salida de la terminal HDMI está en 1080i / 1080p.

- 1. Presione [MENU] durante la reproducción.
 - Aparecerá la ventana de Sub Menú.
- Seleccione "CLEAR+" con [▲/▼], después presione [OK].
- Seleccione "Enc." o "Apdo." con [▲/▼], después presione [OK].

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GARANTÍA LIMITADA NOVENTA (90) DÍAS EN MANO DE OBRA / UNA (1) AÑO EN PARTES

COBERTURA DE GARANTÍA:

La obligación de ésta garantía se limita a los términos establecidos a continuación.

QUIÉNES ESTÁN CUBIERTOS:

La compañía le garantiza el producto al comprador original o a la persona que lo recibe como regalo contra defectos en los materiales y en la mano de obra, a partir de la fecha de la compra original ("período de garantía") en el distribuidor autorizado. El recibo de ventas, donde aparecen el nombre del producto y la fecha de la compra en un distribuidor autorizado, se considerará comprobante de esta fecha.

LO QUE ESTÁ CUBIERTO:

Esta garantía cubre productos nuevos si se produce algún defecto en el material o la mano de obra y la compañía recibe un reclamo válido dentro del período de garantía. A su propia discreción, ésta (1) reparará el producto sin costo, usando piezas de repuesto nuevas o reacondicionadas; (2) intercambiar el producto con un producto nuevo o reacondicionado a opción de la compañía. La compañía garantiza productos o piezas de repuesto proporcionados bajo esta garantía contra defectos en los materiales y en la mano de obra durante noventa (90) días o por el resto de la garantía del producto original, lo que le proporcione más cobertura. Cuando se cambia un producto o una pieza, el artículo que usted recibe pasa a ser de su propiedad y el que le entrega a la compañía pasa a ser propiedad de ésta última. Cuando se proporcione un reembolso, su producto pasa a ser propiedad de la compañía.

Nota: Cualquier producto que se venda y que esté identificado como reacondicionado o renovado tiene una garantía limitada de noventa (90) días.

El producto de reemplazo sólo se puede enviar si se cumplen todos los requisitos de la garantía. El incumplimiento de tales requisitos puede ocasionar un retardo.

LO QUE NO SE CUBRE: EXCLUSIONES Y LIMITACIONES: La garantía limitada aplica sólo a los productos nuevos fabricados por o para la compañía que se pueden identificar por la marca registrada, el nombre comercial o por tener el logotipo correspondiente. Esta garantía limitada no se aplica a ningún producto de hardware ni de software que no sea de la compañía, incluso si viene empacado con el producto o si se vende junto con éste. Los fabricantes, proveedores o editores que no sean de la compañía pueden proporcionar una garantía por separado para sus propios productos.

La compañía no es responsable por ningún daño o pérdida de programas, datos u otra información almacenados en algún medio contenido en el producto, ni por ningún otro producto o pieza que no esté cubierta por esta garantía. La recuperación o la reinstalación de programas, datos u otra información no está cubierta por esta garantía limitada. Esta garantía no aplica (a) a daños causados por accidente, abuso, mal uso, negligencia, mala aplicación o por productos no provistos por la compañia; (b) a daño provocado por servicio realizado por cualquier persona ó establecimiento de servicio no autorizado por la compañia; (c) a productos o piezas que se hayan modificado sin la autorización por escrito de la compañía; (d) si se ha retirado o desfigurado el número de serie; y tampoco se aplica la garantía a (e) productos, accesorios o insumos vendidos TAL COMO ESTÁN sin garantía de ningún tipo, lo que incluye productos vendidos TAL COMO ESTÁN por algunos distribuidores.

Esta garantía limitada no cubre:

- Costos de embarque para retorno de producto defectuoso.
- Los costos de mano de obra por la instalación o configuración del producto, el ajuste de controles del cliente en el producto y la instalación o reparación de sistemas de antena o fuente de señal externos al producto.
- La reparación del producto o el reemplazo de piezas debido a instalación o mantenimiento inadecuada, a conexiones hechas a un suministro de voltaje inadecuado, sobrevoltaje de la línea de alimentación, daño causado por relámpagos, imágenes retenidas o marcas en la pantalla producto de la visualización de contenido fijo durante períodos prolongados, reparaciones cosméticas debido al desgaste normal, reparaciones no autorizadas u otras causas que no se encuentren bajo el control de la compañía.
- Daños o reclamos por productos que no están disponibles para su uso, por datos perdidos o por pérdida de software.
- Daños debido a mala manipuración en el transporte o accidentes de envío al devolver el producto.
- Un producto que requiera modificación o adaptación para permitir su funcionamiento en algún país que no sea el país para el que se diseñó, fabricó, aprobó y/o autorizó o la reparación de productos dañados por estas modificaciones.
- Un producto que se use para propósitos comerciales o institucionales (lo que incluye, entre otros, los de alquiler).
- La pérdida del producto en el envío y cuando no se pueda proporcionar una firma que verifique el recibo.
- No operar según el Manual del propietario.

PARA OBTENER AYUDA...

Comuníquese con el Centro de Atención al Cliente al: 1 866 341 3738

LA REPARACIÓN O EL REEMPLAZO, SEGÚN LO DISPONE ESTA GARANTÍA, ES LA SOLUCIÓN EXCLUSIVA PARA EL CLIENTE. LA COMPAÑÍANO SERÀ RESPONSABLE DE LOS DAÑOS INCIDENTALES O INDIRECTOS QUE INFRINJAN ALGUNA GARANTÍA EXPRESA O IMPLÍCITA SOBRE ESTE PRODUCTO. CON EXCEPCIÓN DE LO QUE PROHÍBA LA LEY VIGENTE, TODA GARANTÍA IMPLÍCITA DE COMERCIABILIDAD Y ADECUACIÓN PARA UN PROPÓSITO PARTICULAR EN ESTE PRODUCTO ESTÁ LIMITADA EN DURACIÓN A LO QUE ESPECIFIQUE ESTA GARANTÍA.

Algunos estados no permiten las exclusiones ni la limitación de los daños incidentales o indirectos, ni permiten limitaciones sobre la duración de la garantía implícita, de modo que las limitaciones o exclusiones anteriores pueden no aplicarse a usted.

Esta garantía le otorga derechos legales específicos. Usted puede tener otros derechos que varían entre los diferentes estados y provincias.

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