

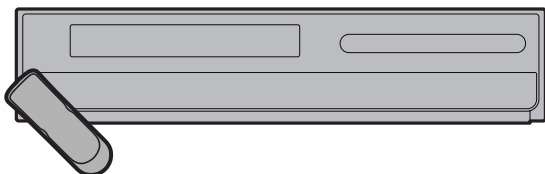
Owner's Manual

Please read before using this unit.

DVD/CD Player with Video Cassette Player DV200MW8

MAGNAVOX
SMART. VERY SMART.

INSTRUCCIONES EN
ESPAÑOL INCLUIDAS.



If you need additional operating assistance
after reading this Owner's Manual, please call

TOLL FREE : 1-800-605-8610

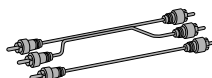
or visit our Web site at
<http://www.funai-corp.com>

Supplied Accessories

Remote control
(NB612UD/NB662UD)
with two AA batteries



Audio/Video cables
(WPZ0102TM015 /
WPZ0102LTE01)



Owner's Manual
(1VMN23364)

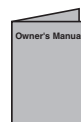


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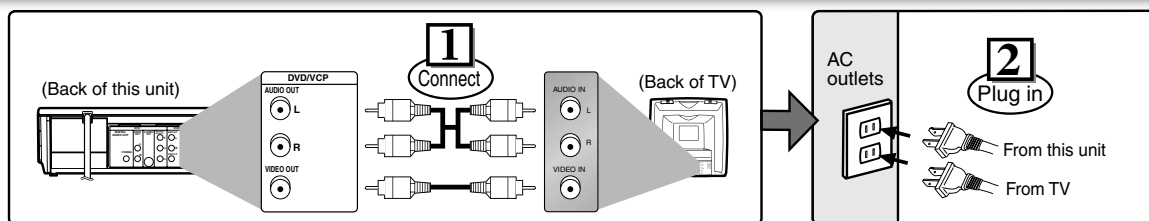
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Basic TV Connection



3 Please refer to "Connections" on page 6.

Precautions

Setup

DVD Functions VCP Functions

Information

Español

Precautions

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.




CAUTION

RISK OF ELECTRIC SHOCK


DO NOT OPEN



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



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 caution marking is located on the rear of the cabinet.

Laser Safety

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, 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.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, NEAR THE DECK MECHANISM.

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.

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.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCs ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Make your contribution to the environment!!!

- Used up batteries do not belong in the dust bin.
- You can dispose of them at a collection point for used up batteries or special wastes.
Contact your council for details.



For Customer Use:

Read carefully the information located at the back of this unit and enter below the Model No. and the Serial No. Retain this information for future reference.

Model No. _____

Serial No. _____

IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions**- The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and use instructions should be followed.
5. **Cleaning** - Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
EXCEPTION: A product that is meant for uninterrupted service and, that for some specific reason, such as the possibility of the loss of an authorization code for a CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the appliance in the cleaning description otherwise required in item 5.
6. **Attachments** - Do not use attachments not recommended by the video product manufacturer as they may cause hazards.
7. **Water and Moisture**- Do not use this video product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. **Accessories** - Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.


PORTABLE CART WARNING
(Symbol provided by RETAC)
S3125A
9. **Ventilation** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the video product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the video product on a bed, sofa, rug, or other similar surface. This video product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. **Power Sources** - This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
11. **Grounding or Polarization** - This video product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. **Power Cord Protection** - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Lightning** - For added protection for this video product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
14. **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
15. **Overloading** - Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
16. **Object and Liquid Entry** - Never push objects of any kind into this video product through any openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.
17. **Servicing** - Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. **Damage Requiring Service** - Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the video product.
 - c. If the video product has been exposed to rain or water.
 - d. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
 - e. If the video product has been dropped or damaged in any way.
 - f. When the video product exhibits a distinct change in performance this indicates a need for service.
19. **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
20. **Safety Check** - Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.
21. **Heat** - This video product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Location and Handling

- Do not stand this unit up vertically. Install this unit in a horizontal and stable position. Do not place anything directly on top of this unit. Do not place this unit directly on top of the TV.
- Depending on the TV, noise or disturbance of the picture and/or sound may be generated if this unit is placed too close to your TV. In this case, please ensure enough space between your TV and this unit.
- Do not cover or place this unit in enclosed spaces to prevent excessive temperature build up.
- Do not place this unit in direct sunlight, or near heat sources.
- Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.
- Keep this unit away from strong magnetic objects.
- Do not place any object containing water or other liquids on this unit. In the event that liquid should enter the cabinet, unplug this unit immediately and contact the retailer or an Authorized Service Center immediately.
- Do not remove this unit cabinet. Touching parts inside the cabinet could result in electric shock and/or damage to this unit. For service and adjustment inside the cabinet, call a qualified dealer or an Authorized Service Center.
- Be sure to remove disc and videotape and unplug the AC power cord from the output before carrying this unit.

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 AC outlet. Grasp it by the plug.
- If, by accident, water is spilled on this unit, unplug the power cord immediately and take the unit to our Authorized Service Center for servicing.
- Do not put your fingers or objects into the unit cassette holder.

Moisture Condensation Warning

Moisture may form inside this unit under the following conditions:

- Immediately after a heater is turned on.
- In a steamy or humid room.
- When this unit is suddenly moved from a cold to warm environment.

If moisture forms inside this unit, it may not operate properly or damage the videotape. In such case, do not use this unit at least for 2 hours until its inside gets dry.

About Copyright

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Symbols Used in This Manual

The following symbols appear in some headings in this manual.



: Description refers to playback of video cassette tapes.



: Description refers to playback of DVD-Video discs.



: Description refers to playback of Audio CDs.

Maintenance

SERVICING

- Please refer to relevant topics on the "Troubleshooting Guide" on page 19 before returning the product.
- If this unit becomes inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power plug, and please call our toll free customer support line found on the cover of this manual to locate an Authorized Service Center.

CLEANING THE CABINET

- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasive.

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 benzene, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analog records.

CLEANING THE DISC LENS

- If this unit continues to perform improperly even after you have referred to the relevant sections and to the "Troubleshooting Guide" in this Owner's 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.

DISC HANDLING

- When you handle a disc, hold it by its edge and try not to touch the surface of the disc.
- Always store the disc in its protective case when not in use.

AUTO HEAD CLEANING

- Automatically cleans video heads as you insert or remove a cassette, so you can see a clear picture.
- Playback picture may become blurred or interrupted while the TV program reception is clear. Dirt accumulated on the video heads after a long period of use, or the usage of rental or worn tapes can cause this problem. If a streaky or snowy picture appears during playback, the video heads in your unit may need to be cleaned.
 1. Please visit your local Audio/Video store and purchase a good quality VHS Video Head Cleaner.
 2. If a Video Head Cleaner does not solve the problem, please call our toll free customer support line found on the cover of this manual to locate an Authorized Service Center.

Hint

- Remember to read the instructions along with the video head cleaner before use.
- Clean video heads only when problems occur.















Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

About Video Cassettes and Discs

Playable Video Cassettes

Use only cassettes marked  with this unit.

Playable Discs

Playable discs	Mark (logo)	Region code	Recorded signals	Disc size	Disc types
DVD-Video *1, 2, 4, 6		 or 	Digital video (MPEG2)	12 cm or 8 cm	 <div>Example Title 1 Title 2 Chapter 1 Chapter 2 Chapter 3 Chapter 4 Chapter 1 Chapter 2</div>
DVD-RW DVD-R *1, 3, 4, 5, 6, 8, 9, 10	 	—			
DVD+RW DVD+R *1, 3, 4, 5, 6, 7, 8, 9	 	—			
Audio CD *4, 6		—	Digital audio	12 cm or 8 cm	 <div>Audio CD Example Track 1 Track 2 Track 3 Track 4 Track 5 Track 6</div>
CD-RW CD-R *4, 5, 6, 8, 9	   	—			

 is a trademark of DVD Format/Logo Licensing Corporation.

If you cannot play back a disc which bears one of the marks above, check the following.

- *1: This unit conforms to the NTSC color system. Discs recorded in other color systems such as PAL cannot be played back.
- *2: Certain DVD-Video discs do not operate as described in this manual due to the intentions of the disc's producers.
- *3: Discs Recorded in the VR (Video Recording) format cannot be played back.
- *4: Scratched or stained discs may not be played back.
- *5: Some discs cannot be played back because of incompatible recording conditions, characteristics of the recorder or special properties of discs.
- *6: You can play back discs which bear the marks above. If you use non-standardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
- *7: Only discs recorded in the video format and finalized can be played back.
Unfinalized discs cannot be played back. Depending on the recording status of a disc, the disc may not be played back at all. (the picture or sound may not be smooth, etc.)
- *8: If the recorded portion of the disc is too small (less than 2 3/16 inches (55 mm) across), it may not play back properly.
- *9: Do not glue paper or put stickers on to the disc. These may damage the disc, and the unit may not read it correctly.
- *10: You may play back the unfinalized DVD-RW/-R disc recorded in the video format on our brand's DVD recorder. However, depending on the recording status of a disc, the disc may not be played back at all or normally (the picture or sound may not be smooth, etc.). In this case, you need to finalize the disc with the DVD recorder. Refer to the manual accompanying the DVD recorder.

Unplayable Discs

NEVER play the following discs as malfunction may result!

DVD-RAM, DVD-Audio, CD-i, Photo CD, Video CD, DVD with region codes other than 1 or ALL, CD-RW/-R with MP3 files, DTS-CD, DVD-ROM for personal computers, CD-ROM for personal computers

On the following disc, the sound MAY NOT be heard.

Super Audio CD

NOTE: Only the sound recorded on the normal CD layer can be delivered.

The sound recorded on the high density Super Audio CD layer cannot be delivered.

Any other discs without compatibility indications

Setup

Connections

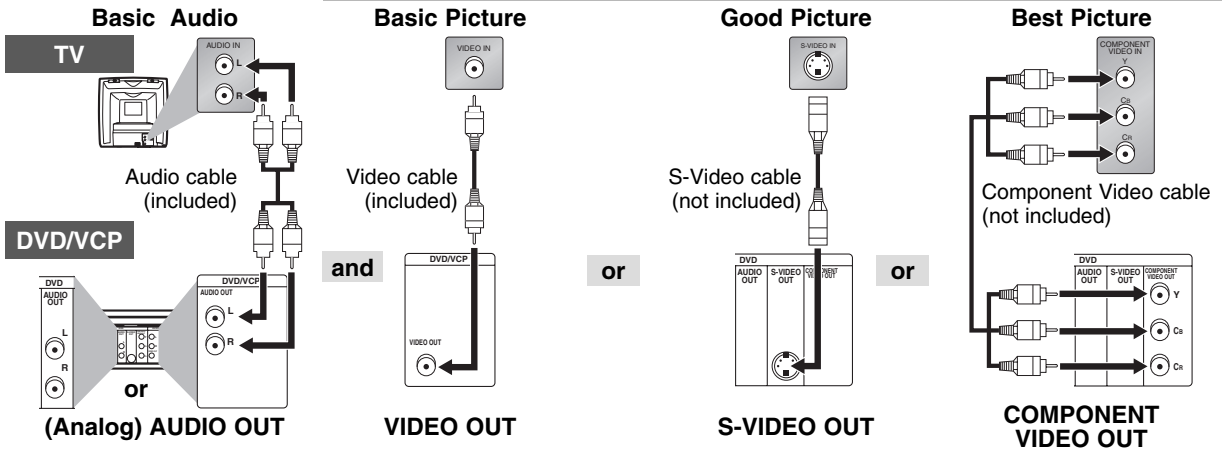
Connection to a TV

Please refer to "Basic TV Connection" on the front page before you use this unit.

VCP and Basic DVD Connection

Available for DVD only

DVD's Picture quality



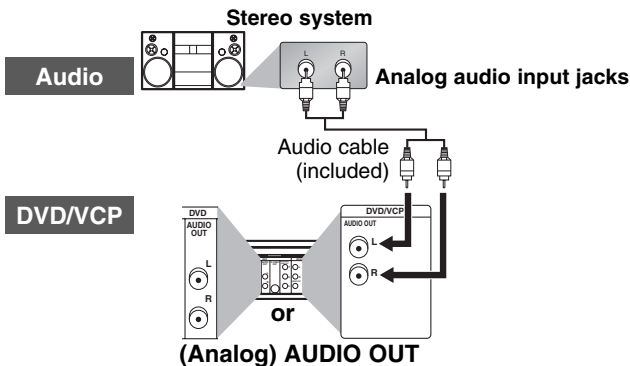
Hint

- Connect this unit directly to the TV. If the Audio/Video cables are connected to a VCR, pictures may be distorted due to the copy protection system.
- The COAXIAL, DVD AUDIO OUT, S-VIDEO OUT and COMPONENT VIDEO OUT jacks are only useful in DVD mode.

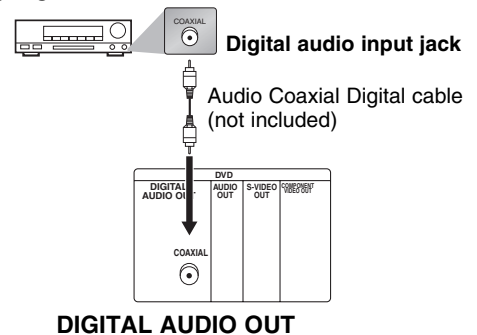
Connection to an Audio System

Playing 2 Channel Audio

Playing Dolby Digital (Multi-channel audio)



Dolby Digital decoder, MD deck or DAT deck



After connecting to your TV:

You will need to switch to video input on your TV. This is usually marked TV/VIDEO, INPUT or AUX. Please refer to your TV owner's manual for details.

INPUT MODES FOR COMMON TV BRANDS

Listed below are inputs for common brand name TV's.

Admiral: AUX	Panasonic: TV/VIDEO
Curtis Mathis: LINE1, LINE2, 00, 90, 91, 92, 93	RCA: INPUT, TV/VCR, 00, 90, 91, 92, 93
GE: INPUT, TV/VCR, 00, 90, 91, 92, 93	Samsung: TV/VIDEO
Hitachi: INPUT, AUX	Sanyo: VIDEO
JVC: VIDEO, VIDEO1, VIDEO2, VIDEO3	Sharp: 00
Kenwood: AUX	Sony: VIDEO1, VIDEO2, VIDEO3
LXI-Series: 00	Toshiba: TV/GAME
Magnavox: AUX CHANNEL	Zenith: 00

SETUP > QUICK > DOLBY DIGITAL	
Connecting to a Dolby Digital decoder for Dolby Digital audio output.	BITSTREAM
Connecting to other equipment (an MD deck or DAT deck etc.) without Dolby Digital decoder.	PCM

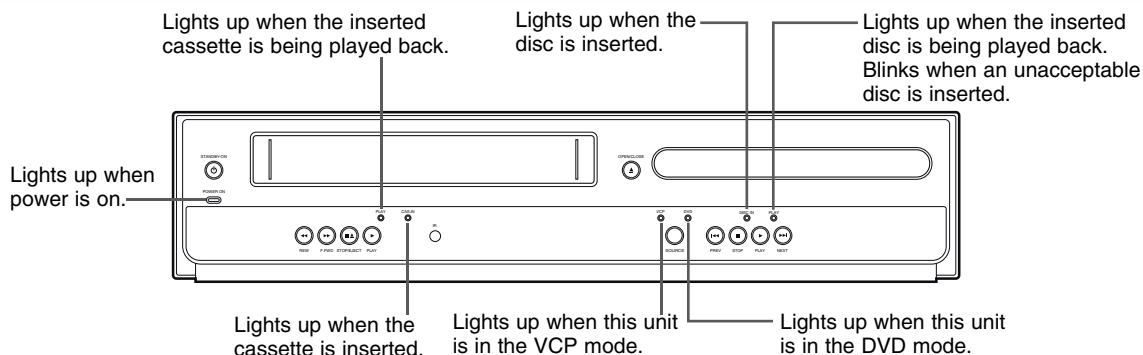
* To complete these settings, refer to pages 16-17.

Hint

- The audio source on a disc in a Dolby Digital Multi channel surround format cannot be recorded as digital sound by an MD or DAT deck.
- By hooking this unit up to a Multi channel Dolby Digital decoder, you can enjoy high-quality Dolby Digital Multi channel surround sound as heard in the movie theaters.
- Playing a DVD using incorrect settings may generate noise distortion and may also damage the speakers.

Preparation for Use

Front Panel Indicator Lights



Selecting DVD or VCP Operation

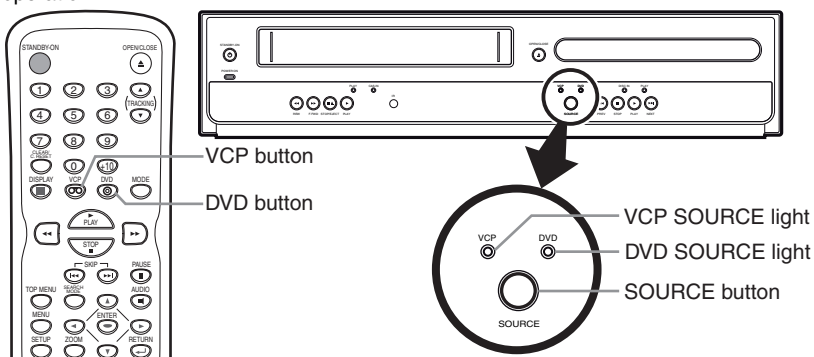
You must first select either DVD or VCP operation.

DVD MODE

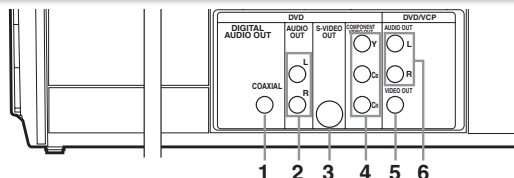
Press **[DVD]** on the remote control.
(The DVD SOURCE light will illuminate.)

VCP MODE

Press **[VCP]** on the remote control.
(The VCP SOURCE light will illuminate.)



Rear Terminals



1: DIGITAL AUDIO OUT COAXIAL* Jack

Connect a digital audio coaxial cable from here to the DIGITAL AUDIO IN jack of a digital audio receiver. (cable not included)

2: DVD AUDIO OUT* (analog) Jacks

Connect an audio cable from here to the AUDIO IN jacks of your television or audio equipment. (cable included)

3: S-VIDEO OUT* Jack

Connect an S-Video cable from here to the S-VIDEO IN jack of your television. (cable not included)

4: COMPONENT VIDEO OUT* Jacks

Connect component video cables from here to the COMPONENT VIDEO IN jacks of your television. (cable not included)

5: DVD/VCP VIDEO OUT Jack

Connect a video cable from here to the VIDEO IN jack of your television or audio equipment. Standard connection for DVD/VCP use. (cable included)

6: DVD/VCP AUDIO OUT Jacks

Connect an audio cable from here to the AUDIO IN jacks of your television or audio equipment. Standard connection for DVD/VCP use. (cable included)

* For enhanced DVD viewing. DVD/VCP video and audio connection required to view video cassettes.

Hint

- Audio and video cables are included for both VCP and DVD viewing. You can enhance your DVD picture and sound quality with a variety of special audio and video cables, which are sold separately.

Turning on Unit for the First Time

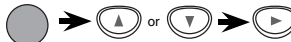


Please note: most instructions in this manual refer to remote control use.

- Be sure your TV's input is set to VIDEO (name may vary with TV manufacturer. See your TV manual for details.)

- Select your language for the first time you turn on this unit.
Press **[▲/▼]** to select your on-screen menu language, then press **[▶]** to exit.

STANDBY-ON



LANGUAGE SELECT
► ENGLISH [ON]
FRANCAIS
ESPAÑOL

To Change the Selected Menu Language

- Press **[SETUP]**.
The "LANGUAGE SELECT" menu appears.



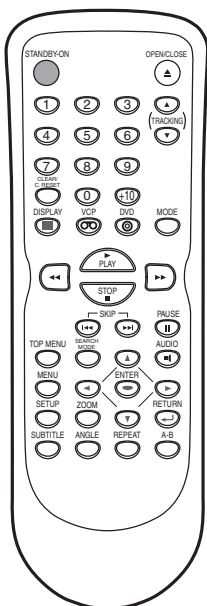
- Select "ENGLISH", "FRANCAIS" or "ESPAÑOL", then press **[CLEAR/C.RESET]** to exit.



LANGUAGE SELECT
► ENGLISH [ON]
FRANCAIS
ESPAÑOL

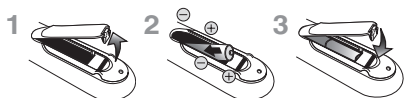
Hint

- Also, you can use **[SETUP]** to exit the "LANGUAGE SELECT" menu.



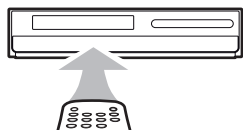
Installing the Batteries for the Remote Control

Install two AA batteries (included), matching the polarity indicated inside battery compartment of 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 remote sensor on the unit.
- The maximum operable ranges from the unit are as follows.
 - **Line of sight:** approx. 23 feet (7m)
 - **Either side of center:** approx. 16 feet (5m) within 30°
 - **Above:** approx. 16 feet (5m) within 15°
 - **Below:** approx. 10 feet (3m) within 30°



Hint

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.
- If you turn off this unit, [OPEN/CLOSE ▲] on the remote control is not available. Be sure to use [OPEN/CLOSE ▲] or [STOP/EJECT ■ ▲] on the unit.

Disc/Tape Button (Alphabetical order)	DVD mode		VCP mode
	DVD	CD	VHS
1 2 3 4 5 6 7 8 9 0 10 11	•To select chapter or title directly.	•To select track directly.	—
◀ ▶	•To search forward/backward through a disc. •To begin slow forward/reverse playback in the pause mode.	•To search forward/backward through a disc.	•To forward/backward a tape. •To begin slow forward playback in the pause mode.
A-B	•To repeat between your chosen point of A and B.	•To repeat between your chosen point of A and B.	—
ANGLE	•To select camera angles on a disc.	—	—
AUDIO	•To select audio languages on a disc.	•To select STEREO, L-ch or R-ch.	—
CLEAR/C RESET	•To clear the markers. •To clear numbers entered incorrectly. •To cancel the point for A-B repeat.	•To clear the markers. •To remove status number in program input. •To clear numbers entered incorrectly. •To cancel the point for A-B repeat.	•To exit the LANGUAGE SELECT Menu. •To reset the tape counter.
DISPLAY	•To display the current disc mode.	•To display the current disc mode.	•To display the current tape counter.
DVD	•To select DVD output mode. •To activate DVD mode.	•To select the DVD output mode. •To activate DVD mode.	—
ENTER	•To move the cursor and determine its position.	•To move the cursor and determine its position.	•To set the LANGUAGE SELECT menu, Index and Time Search.
MENU	•To call up the Menu on a disc.	—	—
MODE	•To set black level on/off. •To set virtual surround on/off.	•To arrange the playing order or play randomly. •To set virtual surround on/off.	—
OPEN/CLOSE	•To open or close the disc tray.	•To open or close the disc tray.	•To eject the video cassette from the VCP.
PAUSE	•To pause disc playback. •To advance playback one frame at a time.	•To pause disc playback.	•To pause tape playback. •To advance playback one frame at a time.
PLAY	•To begin disc playback.	•To begin disc playback.	•To begin tape playback.
REPEAT	•To play a chapter or title repeatedly.	•To play a track or disc repeatedly.	•To select the Auto Repeat on/off.
RETURN	•To return to the previous operation in menu.	•To return to the previous operation in menu.	—
SEARCH MODE	•To search chapter, title or time. •To set or search the markers.	•To search track. •To search time. •To set or search the markers.	•To call up the index or time search menu.
SETUP	•To call up the DVD setup menu.	•To call up the DVD setup menu.	•To call up the LANGUAGE SELECT Menu.
SKIP	•To skip chapters or titles.	•To skip tracks.	—
STANDBY-ON	•To turn the unit on/off.	•To turn the unit on/off.	•To turn the unit on/off.
STOP	•To stop playback.	•To stop playback.	•To stop playback.
SUBTITLE	•To select subtitles on a disc.	—	—
TOP MENU	•To call up the Top Menu on a disc.	—	—
TRACKING	—	—	•To adjust the tracking manually during playback.
VCP	—	—	•To select the VCP output mode. •To activate VCP mode.
ZOOM	•To magnify part of a picture. (x2/x4)	—	—

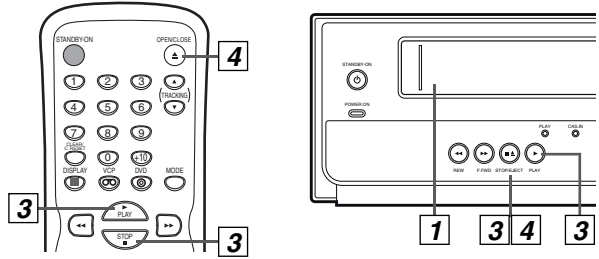
VCP Functions

Playback

Before: Turn on the TV.



1 Insert a video cassette into this unit. 	2 The unit will start playback automatically.
3 To stop playback To start playback again 	4 In stop mode, eject the cassette.



Hint

- Tracking will be automatically adjusted upon playback. To adjust the tracking manually, press **[TRACKING ▲/▼]** during playback.

Other Operations

To cue or review picture during playback (Picture Search)

- Use **[▶▶]** or **[◀◀]** ([F.FWD ▶▶] or [REW ◀◀] on this unit).
- Press it again and the unit will search in super high speed. (in the SLP mode only)

To freeze the picture on TV screen during playback (Still mode)

- Press **[PAUSE II]**. Each time you press the button, the picture will be forwarded by one frame.
- If the picture begins to vibrate vertically in the still mode, stabilize the picture by using **[TRACKING ▲/▼]**.
 - If the picture is distorted or rolling vertically, adjust the vertical hold control on your TV if equipped.

Counter Reset

Press **[CLEAR/C.RESET]** to reset the current tape counter.

Hint

- To prevent damage to tape, Still/Slow mode will automatically stop after five minutes.
- To return to playback from the Picture Search/Still/Slow mode, press **[PLAY ▶]**.

To play back in slow motion (Slow mode)

Press **[PAUSE II]** during playback, then press **[▶▶]** ([F.FWD ▶▶] on this unit).

- If you want to change speed in slow mode, press **[▶▶]** or **[◀◀]** ([F.FWD ▶▶] or [REW ◀◀] on this unit), slow speed will be more fast and slow mode.
- If the noise bars appear on the TV screen, you can reduce it by using **[TRACKING ▲/▼]**.

Auto Rewind

When a tape reaches its end during playback or fast-forward, the tape will automatically rewind to the beginning. After rewinding finishes, the unit will eject the tape.

Index Search

To search by index mark. The Index Mark will be made automatically at the beginning of each recording.



- Insert a tape into this unit.

1 Press [SEARCH MODE] once. 	
2 To select Index Mark 	
3 To rewind To fast forward 	
4 When index mark is reached, playback automatically begins. 	

Hint

- This unit does not have recording function, so you must record a tape from another equipment.
- The time gap between Index Marks should be greater than 1 minute for SP mode, 2 minutes for LP mode and 3 minutes for SLP mode.

Time Search

To search by length of time.



- Insert a tape into this unit.

1 Press [SEARCH MODE] twice. 	
2 Select the desired length of time for fast forwarding or rewinding. 	
3 To rewind To fast forward 	
4 When selected length of time is reached, playback will start automatically. 	

Hint for Index Search & Time Search

- Press **[STOP ■]** to stop the search.
- If a tape ends during a search, your search will be canceled and the tape will rewind to the beginning.

Auto Repeat

When Auto Repeat is on, the tape will automatically rewind and start over when it reaches the end. This will continue until Auto Repeat is turned off.



- 1 In stop mode, press **[REPEAT]** to set AUTO REPEAT to ON so that "AUTO REPEAT" appears.



AUTO REPEAT ►

- 2 Press **[REPEAT]** again to set AUTO REPEAT to OFF so that "PLAY" appears.



PLAY ►

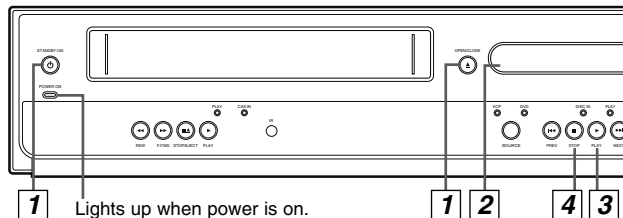
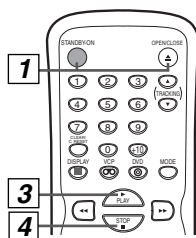
Hint

- The Auto Repeat mode can be confirmed to ON or OFF by pressing **[DISPLAY]** during playback.
- The Auto Repeat playback will start automatically if you set AUTO REPEAT to ON in stop mode.

DVD Functions

Playback

Before: Turn on the TV, amplifier and any other components which are connected to this unit. Make sure the TV and audio receiver (not included) are set to the correct channel.



1 → STANDBY-ON → OPEN/CLOSE	2 Insert a disc with label facing up.
3 To start playback 	4 To stop playback

Hint

- A "prohibited icon" may appear at the top-right on the TV screen when the operation is prohibited by the disc or this unit.
- Some DVDs may be played from title 2 or 3 due to specific programs.
- **During the playback of a two-layered disc, pictures may stop for a moment. This happens while the 1st layer is being switched to the 2nd layer. This is not a malfunction.**

TIP: You can change the on-screen language for DVD function in "PLAYER MENU" setting. (Refer to 16.)

DVD menu



Some discs contain menus which allow you to customize DVD playback. Use [▲ / ▼ / ◀ / ▶] to select an item, then press [ENTER] (or [PLAY ▶]).

Calling Up a Menu Screen during Playback



- Press [MENU] to call up the DVD menu.
- Press [TOP MENU] to call up the title menu.

Hint

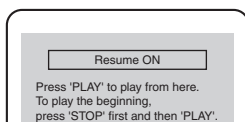
- Menu operations may vary depending on the disc. Refer to the manual accompanying the disc for details.

Resume



Press [STOP ■] during playback. Resume message will appear on the TV screen.

Press [PLAY ▶], playback will resume from the point at which playback was stopped.



Hint

- To cancel resume, press [STOP ■] one more time in the stop mode.
- The resume information stays on even when the power is turned off.

Paused and Step-by-Step Playback



Press [PAUSE II] during playback. To continue playback, press [PLAY ▶].



The disc goes forward by one frame each time [PAUSE II] is pressed in the pause mode. To continue playback, press [PLAY ▶].

Hint

- On DVDs, set "STILL MODE" to "FIELD" in the DISPLAY menu if pictures in the pause mode are blurred. (Refer to 16-17.)

To use [PREV ◀◀], [NEXT ▶▶] on this unit



Press once to skip chapters, tracks or titles to a desired point.

Fast Forward / Reverse Search



Press [▶▶] or [◀◀] repeatedly during playback to select the required forward or reverse speed.

To use [PREV ◀◀], [NEXT ▶▶] on this unit

Pressing and holding [PREV ◀◀] or [NEXT ▶▶] on this unit will also change forward or reverse playback speed.

To continue playback, press [PLAY ▶].

Hint

- For DVDs, fast forward or reverse search speed is different depending on the disc. Approximate speed is 1(x2), 2(x8), 3(x20), 4(x50), 5(x100).
- For Audio CDs, approximate speed is 1(x2), 2(x8), 3(x30).

Slow Forward / Reverse



Press [▶▶] or [◀◀] repeatedly in the pause mode to select the required forward or reverse speed.

To use [PREV ◀◀], [NEXT ▶▶] on this unit

Pressing and holding [PREV ◀◀] or [NEXT ▶▶] on this unit in the pause mode will also change forward or reverse playback speed.

To continue playback, press [PLAY ▶].

Hint

- Slow forward or reverse speed is different depending on the disc. Approximate speed is 1(1/16), 2(1/8), 3(1/2).
- Set "STILL MODE" to "FIELD" in the DISPLAY menu if pictures in the slow playback mode are blurred. (Refer to 16-17.)

Zoom



1) Press [ZOOM] during playback.

2) Press [ZOOM] repeatedly to select the required zoom factor: x2, x4 or OFF.



3) Press [▲ / ▼ / ◀ / ▶] to slide the zoomed picture across the screen.

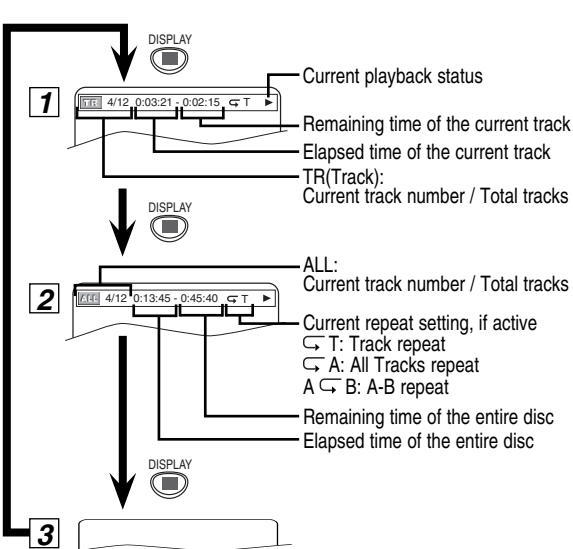
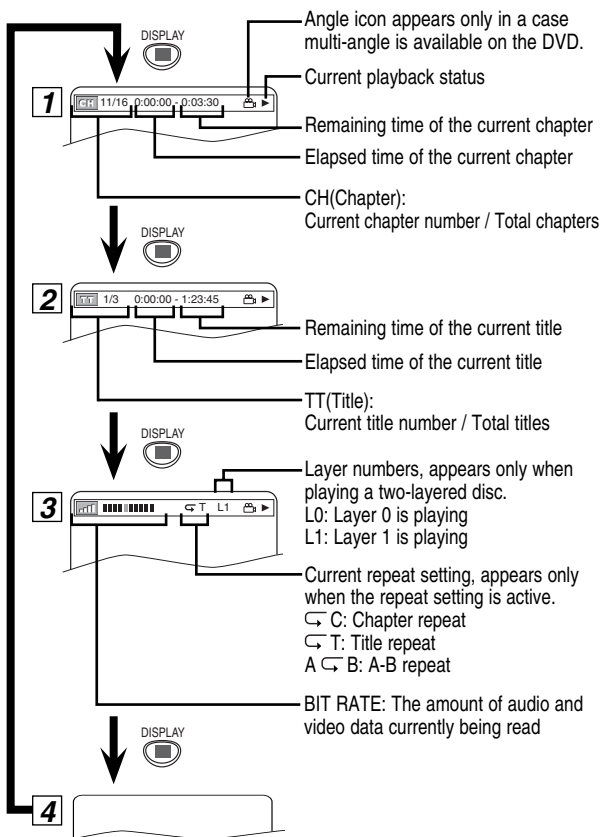
4) To exit zoom mode, press [ZOOM] to select OFF.

Hint

- Zooming function does not work while the disc menu is displayed.
- x4 zoom is not available on some discs.
- The picture may be distorted when you press [PAUSE II] or [◀◀] repeatedly in the zoom mode.
- In the zoom mode, it automatically changes [x2] to the zoomed position guide.

On-Screen Display

You can check the information about the current disc by pressing [DISPLAY] on the remote control.



Hint

- When you are playing a disc in PROGRAM or RANDOM mode, **PROGRAM** (or **RANDOM**) will be displayed instead of **2**.

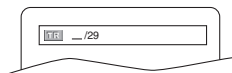
Search Functions

SEARCH MODE does not work during Programmed or Random Playback.

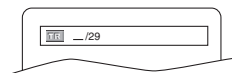
Using Track Search



- 1 Press **[SEARCH MODE]**.



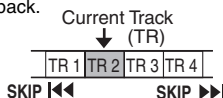
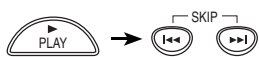
- 2 Select track number by using the **Number buttons** within 30 seconds.



- For the disc with less than 10 tracks, press the track number directly.
- For discs with more than 10 but less than 99 tracks, to play single-digit track, press **[0]** first, then the track number (e.g. for track 3, press **[0]**, **[3]**). To play a double-digit track, press the track number.

Using **[SKIP |◀▶|]**

- 1 Press **[SKIP |◀▶|]** during playback.



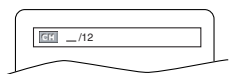
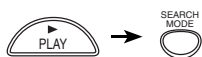
Hint

- **[+10]** can also bring the Track search display, except for the disc with less than 10 tracks. For such a disc, track search can be done by just pressing the track number.

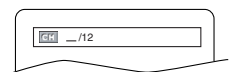
Using Title / Chapter Search



- 1 Press **[SEARCH MODE]** once for the Chapter Search. Press **[SEARCH MODE]** twice for the Title Search.

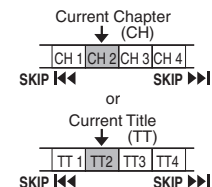
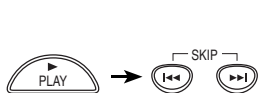


- 2 Select title/chapter number by using the **Number buttons** within 30 seconds.



Using **[SKIP |◀▶|]**

- 1 Press **[SKIP |◀▶|]** during playback.



(If the disc has no chapters)

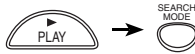
Hint

- Depending on the disc being played, this function can also be performed by directly entering the desired chapter number with the **Number buttons**. Refer to the manual accompanying the disc.

Using Time Search



- 1 Press **[SEARCH MODE]** repeatedly until the Time Search display appears.



- 2 Select a desired disc time by using the **Number buttons** within 30 seconds.



Hint

- When there is no need to enter a number, "0" appears automatically. For example, "0: 0: _ _" appears in the Time Search display if the total time of the title or track is less than 10 minutes.
- Press **[CLEAR/C.RESET]** to erase the incorrect input at step 2.

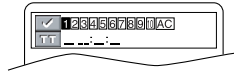
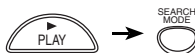
Marker Setup



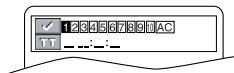
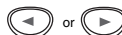
This feature allows you to assign a specific point on a disc to be called back later.

To set a marker

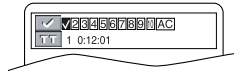
- 1 Press **[SEARCH MODE]** repeatedly until the marker display appears.



- 2 Select a marker.

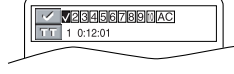


- 3 Press **[ENTER]**.

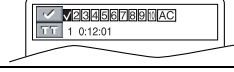
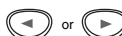


To return to the marker later

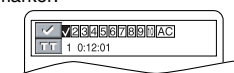
- 1 Press **[SEARCH MODE]** repeatedly until the marker display appears.



- 2 Select the marker.



- 3 Press **[ENTER]** at the desired marker.



To exit the marker screen

- 1 Press **[RETURN ◀-]**.



Hint

- The Marker display will disappear in about 30 seconds when there is no output.
- To clear a marker, select the marker to be cleared at step 2 in the section "To set a marker" or "To return to the marker later" and then press **[CLEAR/C.RESET]**.
- Opening the disc tray or turning off the power will erase all markers.
- Selecting "AC" at step 2 in the section "To set a marker" or "To return to the marker later" will also erase all markers.

Repeat / Random / Programmed Playback

Repeat Playback

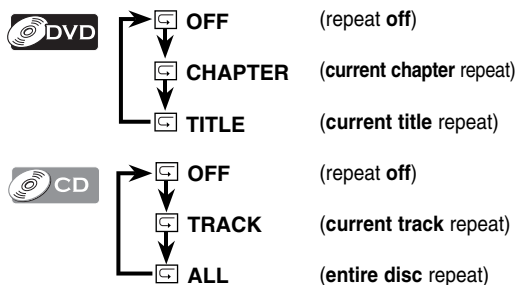


Repeat function is available only during playback.

- 1 Press **[REPEAT]** during playback.



Each time you press **[REPEAT]**, repeat function changes as example below.



Hint

- Repeat setting (except "ALL") will be cleared when moving to another title, chapter, track or group.
- Repeat playback are not available with some discs or during repeat A-B playback.

Repeat A-B Playback



Repeat function is available only during playback.

- 1 Press **[A-B]** at your desired starting point (A).



- 2 Press **[A-B]** at your desired ending point (B).



- Point B should be in the same title or track as point A.

Hint

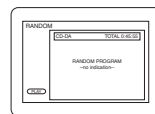
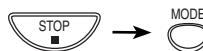
- To exit the sequence, press **[A-B]** so that "OFF" appears.
- To cancel point A, press **[CLEAR/C.RESET]** at step 1.
- This function does not work in the other repeat modes.

Random Playback



This function shuffles the playing order of tracks instead of playback in sequence.

- 1 Press **[MODE]** twice.



- 2 Press **[PLAY ▶]** to start Random Playback.



Hint

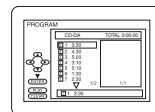
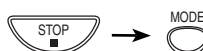
- To repeat the current track in the random selections, press **[REPEAT]** repeatedly until "TRACK" appears during playback.
- To repeat the entire random selections, press **[REPEAT]** repeatedly until "ALL" appears during playback.
- During random playback, you cannot go back to the previous track.

Programmed Playback

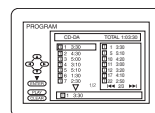


You may determine the order in which tracks will play.

- 1 Press **[MODE]** once.

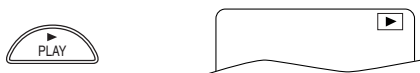


- 2 Using **[▲/▼]** to select desired track. Press **[ENTER]**.



- Up to 99 tracks can be programmed.
- If eight or more tracks were in a program, use **[SKIP ◀▶]** to see all the tracks.

- 3 Press **[PLAY ▶]** to start Programmed Playback.



Hint

- Press **[CLEAR/C.RESET]** at step 2 to erase the most recently entered track.
- To erase all programmed tracks at once, select "ALL CLEAR" and press **[ENTER]** at step 2.
- While a program is being played back, **[STOP ■]** works as follows:
 - ⇒ Press **[STOP ■]** and **[PLAY ▶]** next, so that the programmed playback restarts. (CD playback restarts from the current point.)
 - ⇒ Press **[STOP ■]** twice and **[PLAY ▶]** next, so that playback restarts from the first track in the original order. However, your programmed playback can be restarted when you follow the above steps. (Your programs are still stored until either the disc tray is open or power is turned off.)
- To repeat the current track in the program, press **[REPEAT]** repeatedly until "TRACK" appears during playback.
- To repeat the entire program, press **[REPEAT]** repeatedly until "ALL" appears during playback.

Special Settings

Subtitle Language

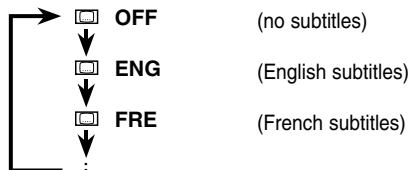


This unit allows you to select a subtitle language (if available) during DVD playback.

- 1 Press **[SUBTITLE]** during playback.

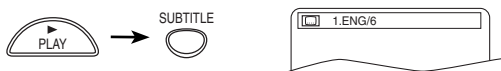


Each time you press **[SUBTITLE]**, subtitle language changes as example below.



To set subtitle ON/OFF

- 1 Press **[SUBTITLE]** during playback.



- 2 Press **[▶]** to select subtitle "ON" or "OFF".



Hint

- If your language is not shown after pressing **[SUBTITLE]** several times, the disc may not have that language. However, some discs have the subtitle language setting on the disc menu. (Operation varies depending on the discs, so refer to the manual along with the disc.)
- When "NOT AVAILABLE" appears on the TV screen, it means no subtitle is recorded on the scene.
- If you choose a language that has a three-letter language code, the code will be displayed every time you change the subtitle language setting. If you choose any other languages, "..." will be displayed instead. (Refer to page 20.)
- Some discs will only allow you to change the subtitle from the disc menu. Refer to the manual accompanying the discs for details.

Audio Language



This unit allows you to select an audio language (if multiple languages are available) during DVD playback.

- 1 Press **[AUDIO]** to change audio language.



Each time you press **[AUDIO]**, the audio language changes as example below.



Hint

- If your language is not shown after pressing **[AUDIO]** several times, the disc may not have that language. However, some discs allow audio language setting on the disc menu. (Operation varies depending on the disc, so refer to the manual along with the disc.)
- When "OFF" appears on the TV screen, it means audio language is not available.
- Some discs will only allow you to change the audio setting on the disc menu. Refer to the manual accompanying the discs for details.

Camera Angles



Some DVD discs may contain scenes which have been shot simultaneously from various angles. You can change the camera angle if the angle icon appears on the screen. If the "ANGLE ICON" setting is "OFF" in the OTHERS menu, the angle icon will not appear. (Refer to pages 16-18.)

- 1 Press **[ANGLE]** during playback.



Each time you press **[ANGLE]** or **[◀/▶]**, camera angle changes.

Black Level Setting



Adjust the Black Level Setting to make the dark areas of the TV picture brighter.

- 1 Press **[MODE]** during playback.



- 2 Press **[ENTER]** to adjust the black level.



ON: Makes the dark areas brighter.
OFF: Shows the original picture as recorded.

- 3 Press **[RETURN]** to exit.



Stereo Sound Mode

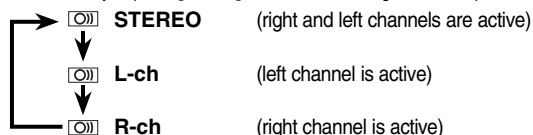


This unit allows you to select a sound mode during CD playback.

- 1 Press **[AUDIO]** during CD playback.



Each time you press **[AUDIO]**, sound mode changes as example below.



Virtual Surround

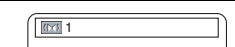


You can enjoy stereophonic virtual world on your existing 2 channel stereo system.

- 1 Press **[MODE]** twice (once for CD) during playback.



- 2 Press **[ENTER]** for the desired effect.



1: Natural effect
2: Emphasized effect
OFF: No effects (original sound)

- 3 Press **[RETURN]** to exit.



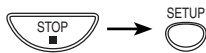
Hint

- For DVDs, when playing back 96kHz with Virtual Surround function, the sound will be down sampled to 48kHz.
- For Audio CDs, Virtual Surround will not be effective if the sound mode is set to something other than STEREO. Refer to "Stereo Sound Mode".

QUICK SETUP Menu

You can select the "PLAYER MENU", "TV ASPECT" or "DOLBY DIGITAL" from the QUICK SETUP menu quickly.

1 Press [SETUP] in the stop mode.

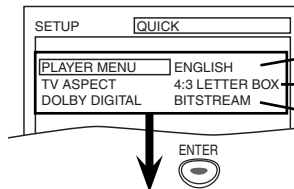
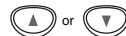


<SETUP MENU>

Confirm that "QUICK" is selected.



2 Select the desired item.



P16 **A** Step 5

P17 **B** Step 5

P17 **C** Step 5

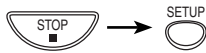
• Refer to the sections "PLAYER MENU", "TV ASPECT" or "DOLBY DIGITAL" section on pages 16-17.

CUSTOM Menu

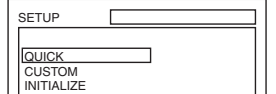
You can change the settings of the unit.

• **QUICK** on pages 16-17 indicates DVD Setup menus also accessible from the QUICK SETUP menu.

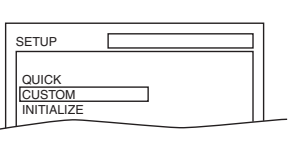
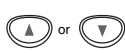
1 Press [SETUP] in the stop mode.



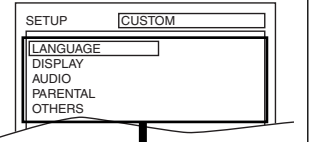
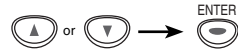
<SETUP MENU>



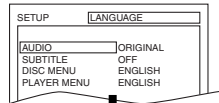
2 Select "CUSTOM".



3 Select the desired item.

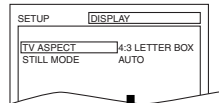


LANGUAGE menu



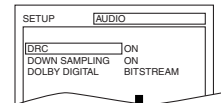
page 16 **A**

DISPLAY menu



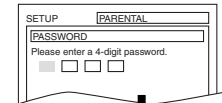
page 17 **B**

AUDIO menu



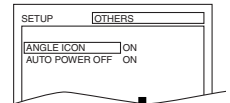
page 17 **C**

PARENTAL menu



page 18 **D**

OTHERS menu

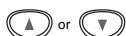


page 18 **E**

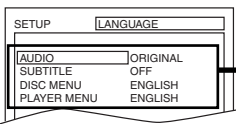
A LANGUAGE Setting

Follow steps 1 to 3 in the "CUSTOM Menu" section on above.

4 Select the desired item.



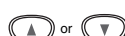
LANGUAGE menu



Hint

• In QUICK SETUP Menu, "PLAYER MENU", "TV ASPECT" or "DOLBY DIGITAL" are available. QUICK SETUP Menu consists of the setting menus frequently used, and they are accompanied with **QUICK** mark. You can make all settings in CUSTOM Menu.

5 Select the desired language.

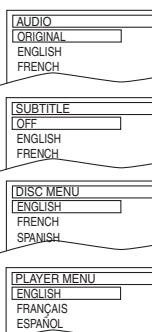


AUDIO: *1 *2
(Default: ORIGINAL)
Sets the audio language.

SUBTITLE: *1 *2
(Default: OFF)
Sets the subtitle language.

DISC MENU: *1
(Default: ENGLISH)
Sets the language for DVD menu.

PLAYER MENU: QUICK
(Default: ENGLISH)
Sets the language for the On-screen display.



6 To exit the menu



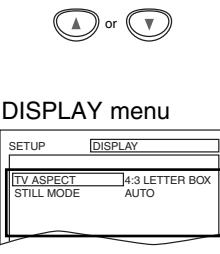
Hint

- *1**
- Language options are not available with some discs.
 - If OTHER is selected on the AUDIO, SUBTITLE or DISC MENU screen, press four-digit number to enter the code for the desired language. (Refer to "Language Code List" on page 20.)
 - Only the languages supported by the disc can be selected.
- *2**
- LANGUAGE Setting for AUDIO and SUBTITLE are not available with some discs. Then use [AUDIO] and [SUBTITLE]. Details are on page 15.

B DISPLAY Setting

You can change the display functions. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 16.

4 Select the desired item.

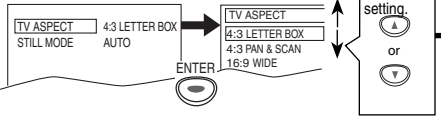


Hint

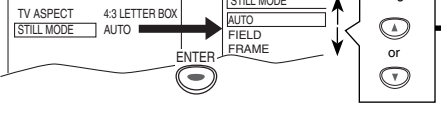
- In QUICK SETUP Menu, "PLAYER MENU", "TV ASPECT" or "DOLBY DIGITAL" are available. QUICK SETUP Menu consists of the setting menus frequently used, and they are accompanied with **QUICK** mark. You can make all settings in CUSTOM Menu.

5


TV ASPECT: **QUICK**
(Default: 4:3 LETTER BOX)
See Hint on the right.



STILL MODE:
(Default: AUTO)
See Hint on the right.



6 To exit the TV ASPECT or STILL MODE screen



Hint

TV ASPECT:

- Select "4:3 LETTER BOX", so that black bars may appear on the top and bottom of the screen.
- Select "4:3 PAN & SCAN" for a full height picture with both sides adjusted.
- Select "16:9 WIDE" if a wide-screen TV is connected to this unit.

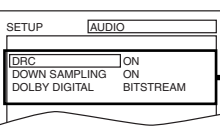
STILL MODE:

- Select "AUTO" usually.
- If you select "AUTO", automatically select the best resolution setting (FRAME or FIELD) based on the data characteristics of the pictures. (default)
- If you select "FIELD", the picture in the still mode will be stabilized.
- If you select "FRAME", the picture in the still mode will be highly defined.
- An individual picture on the TV screen is called a "frame", which consists of two separate images called as "field".
- Some pictures may be blurred if you select "AUTO" in the still mode due to their data characteristics.

C AUDIO Setting

Choose the appropriate audio settings for your equipment. It only affects during the playback of DVD discs. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 16.

4 Select the desired item.

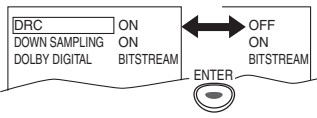


Hint

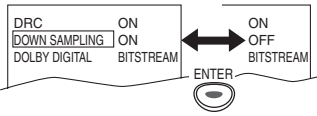
- In QUICK SETUP Menu, "PLAYER MENU", "TV ASPECT" or "DOLBY DIGITAL" are available. QUICK SETUP Menu consists of the setting menus frequently used, and they are accompanied with **QUICK** mark. You can make all settings in CUSTOM Menu.

5

DRC (Dynamic Range Control):
(Default: ON)
Set to "ON" to compress the range between soft and loud sounds.

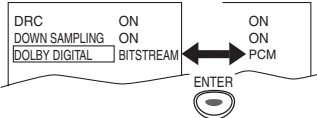


DOWN SAMPLING:
(Default: ON)
Set to "ON" when outputting in 48kHz.
Set to "OFF" when outputting the original sound.




DOLBY DIGITAL: **QUICK**
(Default: BITSTREAM)
Set to "BITSTREAM" when the unit is connected to a Dolby Digital decoder.

- BITSTREAM: Outputs Dolby Digital Signals.
- PCM: Converts the Dolby Digital into PCM (2 channel).



6 To exit the menu



Hint

DRC:

- This function is available only on the discs which are recorded in the Dolby Digital format.

DOWN SAMPLING:

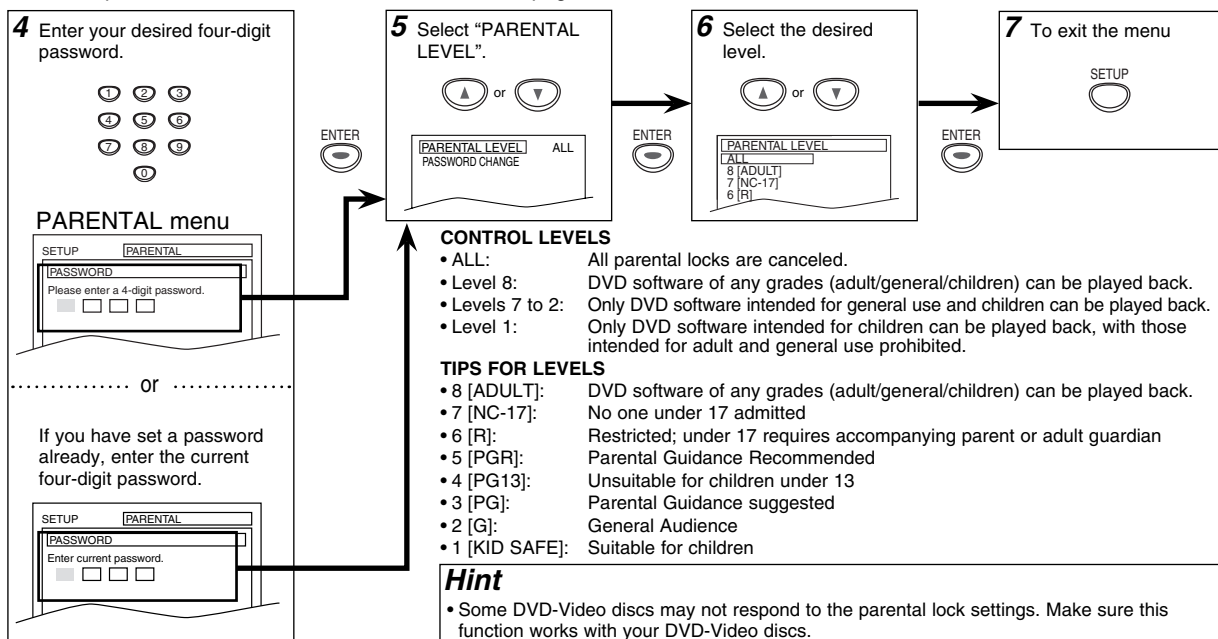
- When playing back a 96kHz disc with the copyright protection, or when Virtual Surround is set to "1" or "2", the sound will be down sampled at 48kHz and output as digital audio even if the "DOWN SAMPLING" is set to "OFF".
- This function is available only on digital outputting of a disc recorded in 96kHz.

D PARENTAL Setting

This feature prevents unit from playing material inappropriate for children.

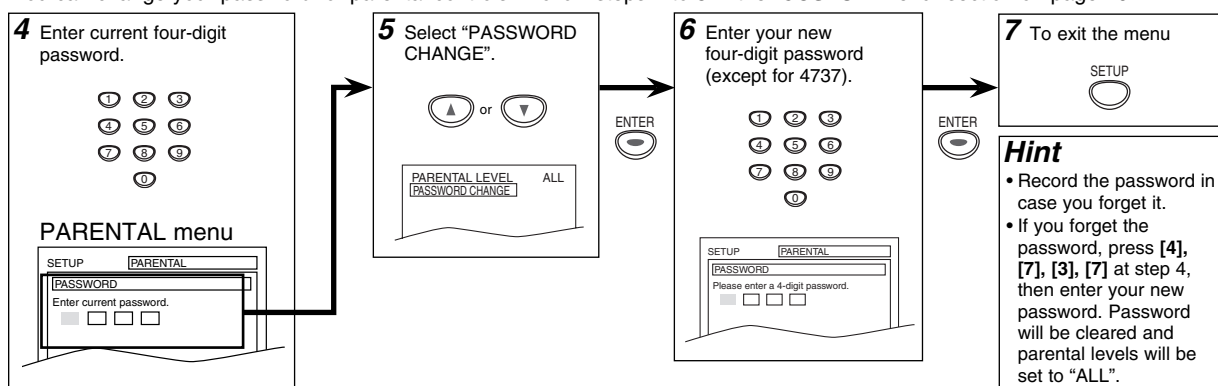
Parental Levels

Parental Level allows you to set the rating levels of your DVD discs. Playback will stop if the ratings exceed the levels you set. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 16.



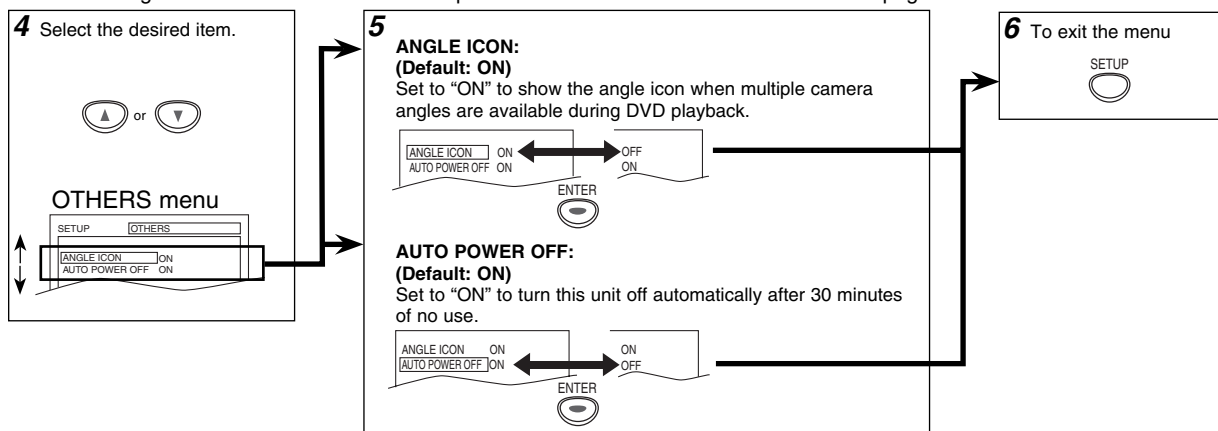
To Change the Password for Parental Controls

You can change your password for parental controls. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 16.

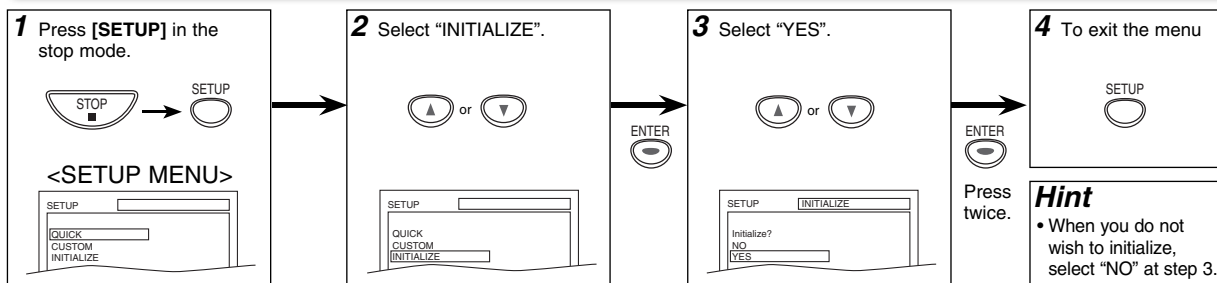


E OTHERS Settings

You can change the other functions. Follow steps 1 to 3 in the "CUSTOM Menu" section on page 16.



Reset to the Default Setting (Except for PARENTAL Setting)



Information

Troubleshooting Guide

If this unit does not perform properly when operated as instructed in this Owner's Manual, refer to the following:

	PROBLEM	CORRECTIVE ACTION
DVD / VCP	No power.	<ul style="list-style-type: none"> • Make sure the power plug is connected to an AC outlet. • Make sure the power is turned on.
	This unit does not respond to the remote control.	<ul style="list-style-type: none"> • Check if the power plug is connected to an AC outlet. • Check the batteries in the remote control. • Aim the remote control directly at the remote sensor. If necessary, remove all the obstacles between the sensor and the remote control. • You have to be within 23 feet (7m) of this unit. • Check if a cassette tape is in this unit. • Tune your radio to an empty AM station so that you hear a lot of static. Turn the volume up, then if you hear some signal sound from the radio in response to your pressing buttons on the remote control, the remote control is working. • Press and hold any button on remote control toward a digital camera. The remote control is working if you confirm infrared light through the digital camera.
	Poor picture or noise.	<ul style="list-style-type: none"> • Interference signal may be received. Change the position and direction of the unit.
VCP	Playback picture is partially noisy.	<ul style="list-style-type: none"> • Adjust tracking control for a better picture by pressing [TRACKING ▲/▼] on the remote control.
	Cannot view picture but the audio is OK.	<ul style="list-style-type: none"> • Head cleaning may be necessary. Refer to "AUTO HEAD CLEANING". (See page 4.) • Make sure the VCP is not in the Menu mode.
	No or poor, playback picture.	<ul style="list-style-type: none"> • Fine tune your TV.
	Video or color fades in and out when making a copy of a videotape.	<ul style="list-style-type: none"> • You cannot copy a copyrighted videotape. You are experiencing copy guard protection.
DVD	Cannot remove the tape.	<ul style="list-style-type: none"> • Check if this unit is in the VCP mode. If not, press [VCP] on the remote control to switch the mode.
	No picture.	<ul style="list-style-type: none"> • Connect the video cable firmly. • Insert a correct video disc that plays on this unit. • Press [DVD] on the remote control. Check if the DVD SOURCE light will illuminate. Then try other DVD features.
	Disc cannot be played.	<ul style="list-style-type: none"> • Insert the disc. • Clean the disc. • Place the disc correctly with the label side up. • Cancel the parental lock or change the control levels. • Handle a disc with special care so that it does not have fingerprints, scratches, or dusts on its surface.
	No sound.	<ul style="list-style-type: none"> • Connect the audio cables firmly. • Turn the power of the audio component on. • Correct the audio output settings. • Correct the input settings on the audio component.
	No DTS audio is output.	<ul style="list-style-type: none"> • This unit does not support DTS audio. -This is not a malfunction.
	Distorted picture.	<ul style="list-style-type: none"> • Connect this unit directly to the TV. • There are some cases where pictures may be slightly distorted, and those are not a sign of a malfunction. • Although pictures may stop for a moment, this is not a malfunction.
	Audio or subtitle language does not match the setup.	<ul style="list-style-type: none"> • The selected language is not available for audio or subtitles on the DVD. -This is not a malfunction.
	The camera angle cannot be changed.	<ul style="list-style-type: none"> • The DVD does not contain sequences recorded from different camera angles. -This is not a malfunction.
	Audio or subtitle language cannot be changed.	<ul style="list-style-type: none"> • The DVD does not contain audio source or subtitles in the selected language. -This is not a malfunction.
	"Prohibited icon" appears on the screen, prohibiting an operation.	<ul style="list-style-type: none"> • That operation is prohibited by this unit or the disc. -This is not a malfunction.

- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner's Manual for details on correct operations.
- Playback from a desired track and random playback are not available during program playback.
- Some functions are prohibited on some discs.

Specifications

Video Heads :

Four Heads

Output signal format :

NTSC color

Power source :

120 V AC +/- 10%, 60 Hz +/- 0.5%

Power consumption :

21W (standby : 3.8W)

Operating temperature :

41°F (5°C) to 104°F (40°C)

Dimensions :

W : 17 3/16" (435mm)

H : 3 3/4" (94mm)

D : 9 3/16" (233mm)

Weight :

Approx 5.8lbs (2.6kg)

• Designs and specifications are subject to change without notice.

• If there is a discrepancy between languages, the default language will be English.

Language Code List

Language	Code	Language	Code	Language	Code	Language	Code		
A-B		French [FRE]	5264	Macedonian	5957	Siswat	6655		
Abkhazian	4748	Frisian	5271	Malagasy	5953	Slovak	6557		
Afar	4747	Galician	5358	Malay	5965	Slovenian	6558		
Afrikaans	4752	Georgian	5747	Malayalam	5958	Somali	6561		
Albanian	6563	German [GER]	5051	Maltese	5966	Spanish [SPA]	5165		
Amharic	4759	Greek [GRE]	5158	Maori	5955	Sundanese	6567		
Arabic	4764	Greenlandic	5758	Marathi	5964	Swahili	6569		
Armenian	5471	Guarani	5360	Moldavian	5961	Swedish [SWE]	6568		
Assamese	4765	Gujarati	5367	Mongolian	5960	T			
Aymara	4771	Hausa	5447	Nauru	6047		Tagalog	6658	
Azerbaijani	4772	Hebrew	5569	Nepali	6051		Tajik	6653	
Bashkir	4847	Hindi	5455	Norwegian [NOR]	6061		Tamil	6647	
Basque	5167	Hungarian [HUN]	5467	O-R		Tatar	6666		
Bengali; Bangla	4860	I-K			Occitan	6149	Telugu	6651	
Bhutani	5072		Icelandic [ICE]		5565	Oriya	6164	Thai	6654
Bihari	4854		Indonesian		5560	Oromo(Afan)	6159	Tibetan	4861
Bislama	4855		Interlingua	5547	Panjabi	6247	Tigrinya	6655	
Breton	4864	Interlingue	5551	Pashto; Pushto	6265	Tonga	6661		
Bulgarian	4853	Inupiak	5557	Persian	5247	Tsonga	6665		
Burmese	5971	Irish [IRI]	5347	Polish [POL]	6258	Turkish [TUR]	6664		
Byelorussian	4851	Italian [ITA]	5566	Portuguese [POR]	6266	Turkmen	6657		
C-E		Japanese [JPN]	5647	Quechua	6367	Twi	6669		
	Cambodian	5759	Javanese	5669	Rhaeto-Romance	6459	U-Z		
	Catalan	4947	Kannada	5760	Romanian [RUM]	6461		Ukrainian	6757
	Chinese [CHI]	7254	Kashmiri	5765	Russian [RUS]	6467		Urdu	6764
Corsican	4961	Kazakh	5757	S		Uzbek		6772	
Croatian	5464	Kinyarwanda	6469		Samoan	6559	Vietnamese	6855	
Czech [CZE]	4965	Kirghiz	5771		Sangho	6553	Volapuk	6861	
Danish [DAN]	5047	Kirundi	6460		Sanskrit	6547	Welsh	4971	
Dutch [DUT]	6058	Korean [KOR]	5761	Scots Gaelic	5350	Wolof	6961		
English [ENG]	5160	Kurdish	5767	Serbian	6564	Xhosa	7054		
Esperanto	5161	L-N		Serbo-Croatian	6554	Yiddish	5655		
Estonian	5166		Laothian	5861	Sesotho	6566	Yoruba	7161	
F-H			Latin	5847	Setswana	6660	Zulu	7267	
	Faroese		5261	Latvian; Lettish	5868	Shona	6560		
	Fiji	5256	Lingala	5860	Sindhi	6550			
	Finnish [FIN]	5255	Lithuanian	5866	Singhalese	6555			

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on page 15. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

MAGNAVOX LIMITED WARRANTY

FUNAI CORP. will repair this product, free of charge in the USA in the event of defect in materials or workmanship as follows:

DURATION:

PARTS: FUNAI CORP. will provide parts to replace defective parts without charge for one (1) year from the date of original retail purchase. Certain parts are excluded from this warranty.

LABOR: FUNAI CORP. will provide the labor without charge for a period of ninety (90) days from the date of original retail purchase.

LIMITS AND EXCLUSIONS:

This warranty is extended only to the original retail purchaser. A purchase receipt or other proof of original retail purchase will be required together with the product to obtain service under this warranty.

This warranty shall not be extended to any other person or transferee.

This warranty is void and of no effect if any serial numbers on the product are altered, replaced, defaced, missing or if service was attempted by an unauthorized service center. This limited warranty does not apply to any product not purchased and used in the United States.

This product is produced for home use and this warranty only covers failures due to defects in material or workmanship which occurs during normal use. It does not cover damage which occurs in shipment, or failures which are caused by repairs, alterations or product not supplied by FUNAI CORP., or damage which results from accident, misuse, abuse, mishandling, misapplication, alteration, faulty installation, improper maintenance, commercial use such as hotel, rental or office use of this product or damage which results from fire, flood, lightning or other acts of God.

THIS WARRANTY DOES NOT COVER PACKING MATERIALS, ANY ACCESSORIES (EXCEPT REMOTE CONTROL), ANY COSMETIC PARTS, COMPLETE ASSEMBLY PARTS, DEMO OR FLOOR MODELS.

FUNAI CORP. AND ITS REPRESENTATIVES OR AGENTS SHALL IN NO EVENT BE LIABLE FOR ANY GENERAL, INDIRECT OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR OCCASIONED BY THE USE OF OR THE INABILITY TO USE THIS PRODUCT. THIS WARRANTY IS MADE IN LIEU

OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES ON THE PART OF FUNAI. ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY DISCLAIMED BY FUNAI AND ITS REPRESENTATIVES IN THE UNITED STATES. ALL WARRANTY INSPECTIONS AND REPAIRS MUST BE PERFORMED BY AN AUTHORIZED SERVICE CENTER. THIS WARRANTY IS VALID WHEN THE UNIT IS CARRIED-IN TO AN AUTHORIZED SERVICE CENTER.

IMPORTANT:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. IF, AT ANY TIME DURING THE WARRANTY PERIOD, YOU ARE UNABLE TO OBTAIN SATISFACTION WITH THE REPAIR OF THIS PRODUCT, PLEASE CONTACT FUNAI CORP.

ATTENTION:

FUNAI CORP. RESERVES THE RIGHT TO MODIFY ANY DESIGN OF THIS PRODUCT WITHOUT PRIOR NOTICE.

WARRANTY STATEMENT REGARDING NON AUTHORIZED REPAIRS:

To obtain warranty service, you must take the product, or deliver the product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any AUTHORIZED SERVICE CENTER. FUNAI CORP. will not reimburse you for any service done by unauthorized service providers without prior written approval.

To locate your nearest AUTHORIZED SERVICE CENTER or for general service inquiries, please contact us at:

FUNAI CORPORATION
Customer Service

Tel :1-800-605-8610

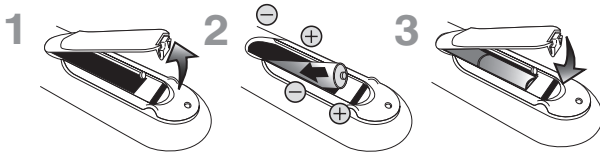
<http://www.funai-corp.com>

19900 Van Ness Avenue, Torrance, CA 90501

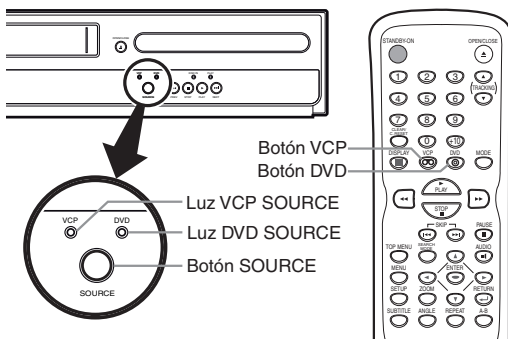
1 Conexiones

Consulte la "Basic TV Connection" en la página delantera antes de utilizar esta unidad.

2 Instalación de las pilas del control remoto



3 Conmutación DVD/VCP



MODO DVD

Pulse **[DVD]** en el control remoto. (Compruebe que está encendida la luz DVD SOURCE.)

MODO VCP

Pulse **[VCP]** en el control remoto. (Compruebe que está encendida la luz VCP SOURCE.)

4 Activación de la unidad por primera vez

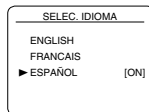


- 1 Asegúrese de que la entrada de su TV esté en VIDEO (El nombre puede cambiar según el fabricante del TV. Consulte el manual de su TV para conocer más detalles.)



- 2 Seleccione su idioma la primera vez que encienda esta unidad. Pulse **[▲/▼]** para seleccionar el idioma de pantalla, y luego pulse **[▶]** para salir.

STANDBY-ON



5 Reproducción de VCP

Antes: Encienda el televisor.



1 Inserte un casete de vídeo en esta unidad. 	2 La unidad inicia la reproducción automáticamente.
3 Para parar la reproducción Para reiniciar la reproducción 	4 En el modo de parada, extraiga el casete.

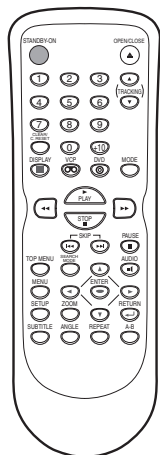
6 Reproducción de DVD/CD

Antes: Encienda el televisor, amplificador y otros equipos que puedan estar conectados a esta unidad. Asegúrese que el televisor y el sintoamplificador de audio (de venta en los comercios) están en el canal correcto.



1 STANDBY-ON → OPEN/CLOSE 	2 Ponga un disco con la etiqueta hacia arriba.
3 Para empezar la reproducción 	4 Para parar la reproducción

7 Control remoto



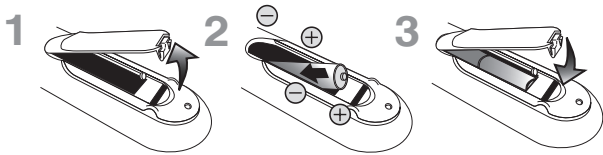
Disco/cinta	Modo DVD	Modo de VCP
Botón (Orden alfabético)		
 1 2 3 4 5 6 7 8 9 0	• Para seleccionar directamente el capítulo o el título.	• Para seleccionar directamente la canción.
	• Para buscar en avance/retroceso en un disco. • Para empezar la reproducción en avance/retroceso lento durante el modo de pausa.	• Para buscar en avance/retroceso en un disco. • Para salir del menú SELEC. IDIOMA.
	• Para repetir entre los puntos A y B elegidos.	• Para empezar la reproducción en avance lento durante el modo de pausa.
	• Para seleccionar los ángulos de la cámara en un disco.	—
	• Para seleccionar el idioma de audio en un disco.	• Para seleccionar ESTÉREO, L-ch o R-ch.
	• Para borrar los marcadores. • Para borrar los números mal entrados. • Para borrar el punto para la repetición A-B.	• Para borrar los marcadores. • Para eliminar el N° de estado en la entrada de programa. • Para borrar los números mal entrados. • Para borrar el punto para la repetición A-B.
	• Para indicar el modo de disco actual.	• Para indicar el modo de disco actual.
	• Para seleccionar el modo de salida de DVD. • Para activar el modo DVD.	• Para seleccionar el modo de salida de DVD. • Para activar el mando a distancia en el modo DVD.
	• Para mover el cursor y determinar su posición.	• Para mover el cursor y determinar su posición.
	• Para llamar el menú en un disco.	• Para ajustar el menú SELEC. IDIOMA, BUSCA HACIA INDICE y BUSCA HACIA HORA.
	• Para activar/desactivar el nivel del negro. • Para activar/desactivar el ambiental virtual.	• Para disponer el orden de reproducción o la reproducción aleatoria. • Para activar/desactivar el envolvente virtual.
	• Para abrir o cerrar la bandeja del disco.	• Para abrir o cerrar la bandeja del disco.
	• Para hacer una pausa de reproducción del disco. • Para avanzar la reproducción un cuadro a la vez.	• Para hacer una pausa en la reproducción de la cinta. • Para avanzar la reproducción un cuadro a la vez.
	• Para empezar la reproducción del disco.	• Para empezar la reproducción de la cinta.
	• Para reproducir repetidamente un capítulo o título.	• Para reproducir repetidamente una canción o disco.
	• Para volver a la operación previa en el menú.	• Para activar/desactivar el AUTOREPETIR.
	• Para buscar un capítulo, título u hora. • Para colocar o buscar los marcadores.	• Para buscar una canción. • Para buscar el tiempo. • Para colocar o buscar los marcadores.
	• Para llamar el menú de programación de DVD.	• Para llamar el menú de programación de DVD.
	• Para saltar capítulos o título.	• Para saltar canciones.
	• Para encender o apagar la unidad.	• Para encender o apagar la unidad.
	• Para parar la reproducción.	• Para parar la reproducción.
	• Para seleccionar subtítulos en un disco.	—
	• Para llamar el menú superior en un disco.	—
	—	• Para ajustar manualmente el seguimiento durante la reproducción.
	—	• Para seleccionar el modo de salida VCP. • Para activar el modo VCP.
	• Para ampliar parte de la imagen. (x2/x4)	—

Quick Use Guide

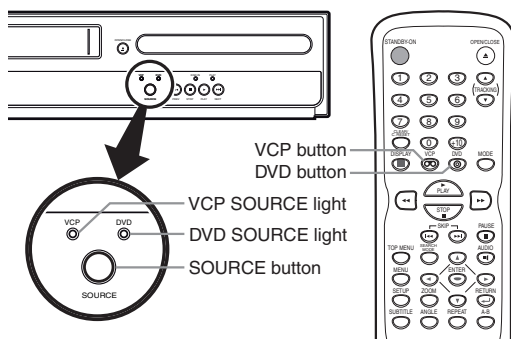
1 Connections

Please refer to "Basic TV Connection" on the front page before you use this unit.

2 Installing the Batteries for the Remote Control



3 DVD/VCP Switching



DVD MODE

Press [DVD] on the remote control. (Verify that the DVD SOURCE light illuminates.)

VCP MODE

Press [VCP] on the remote control. (Verify that the VCP SOURCE light illuminates.)

4 Turning on Unit for the First Time



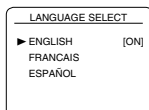
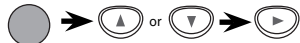
- 1 Be sure your TV's input is set to VIDEO (name may vary with TV manufacturer. See your TV manual for details.)



- 2 Select your language for the first time you turn on this unit.

Press [▲/▼] to select your on-screen menu language, then press [▶] to exit.

STANDBY-ON



Quick Use Guide

5 VCP Playback

Before: Turn on the TV.



1 Insert a video cassette into this unit.	2 The unit will start playback automatically.
3 To stop playback 	4 In stop mode, eject the cassette.
To start playback again 	

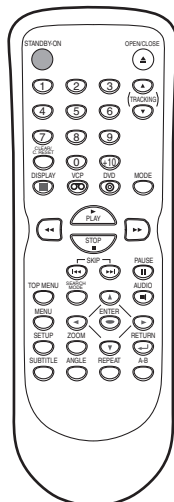
6 DVD/CD Playback

Before: Turn on the TV, amplifier and any other components which are connected to this unit. Make sure the TV and audio receiver (not included) are set to the correct channel.



1 →	2 Insert a disc with label facing up.
3 To start playback 	4 To stop playback

7 Remote Control



Disc/Tape Button (Alphabetical order)	DVD mode	CD	VCP mode
	•To select chapter or title directly.	•To select track directly.	—
	•To search forward/backward through a disc. •To begin slow forward/reverse playback in the pause mode.	•To search forward/backward through a disc.	•To forward/backward a tape. •To begin slow forward playback in the pause mode.
	•To repeat between your chosen point of A and B.	•To repeat between your chosen point of A and B.	—
	•To select camera angles on a disc.	—	—
	•To select audio languages on a disc.	•To select STEREO, L-ch or R-ch.	—
	•To clear the markers. •To clear numbers entered incorrectly. •To cancel the point for A-B repeat.	•To clear the markers. •To remove status number in program input. •To clear numbers entered incorrectly. •To cancel the point for A-B repeat.	•To exit the LANGUAGE SELECT Menu. •To reset the tape counter.
	•To display the current disc mode.	•To display the current disc mode.	•To display the current tape counter.
	•To select DVD output mode. •To activate DVD mode.	•To select the DVD output mode. •To activate DVD mode.	—
	•To move the cursor and determine its position.	•To move the cursor and determine its position.	•To set the LANGUAGE SELECT menu, Index and Time Search.
	•To call up the Menu on a disc.	—	—
	•To set black level on/off. •To set virtual surround on/off.	•To arrange the playing order or play randomly. •To set virtual surround on/off.	—
	•To open or close the disc tray.	•To open or close the disc tray.	•To eject the video cassette from the VCP.
	•To pause disc playback. •To advance playback one frame at a time.	•To pause disc playback.	•To pause tape playback. •To advance playback one frame at a time.
	•To begin disc playback.	•To begin disc playback.	•To begin tape playback.
	•To play a chapter or title repeatedly.	•To play a track or disc repeatedly.	•To select the Auto Repeat on/off.
	•To return to the previous operation in menu.	•To return to the previous operation in menu.	—
	•To search chapter, title or time. •To set or search the markers.	•To search track. •To search time. •To set or search the markers.	•To call up the index or time search menu.
	•To call up the DVD setup menu.	•To call up the DVD setup menu.	•To call up the LANGUAGE SELECT Menu.
	•To skip chapters or titles.	•To skip tracks.	—
	•To turn the unit on/off.	•To turn the unit on/off.	•To turn the unit on/off.
	•To stop playback.	•To stop playback.	•To stop playback.
	•To select subtitles on a disc.	—	—
	•To call up the Top Menu on a disc.	—	—
	—	—	•To adjust the tracking manually during playback.
	—	—	•To select the VCP output mode. •To activate VCP mode.
	•To magnify part of a picture. (x2/x4)	—	—