

32MF338B LCD TV

English

Español



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Magnavox.*

Need help fast?

*Read your User Manual first for
quick tips that make using your
Magnavox product more enjoyable.
If you have read your instructions
and still need assistance,
you may access our online help at
www.magnavox.com/usasupport
or call
1-800-705-2000
while with your product
(and Model / Serial number)*



*Magnavox vous remercie de
votre confiance.*

Besoin d'une aide rapide?

*Manuel de l'utilisateur regorgent
d'astuces destinées à simplifier
l'utilisation de votre produit Magnavox.
Toutefois, si vous ne parvenez
pas à résoudre votre problème,
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1-800-705-2000
Veillez à avoir votre produit à
portée de main
(et model / serial nombre)*



Gracias por escoger Magnavox.

Necesita ayuda inmediata?

*Lea primero el Manual del usuario,
en donde encontrará consejos que
le ayudarán a disfrutar plenamente
de su producto Magnavox.
Si después de leerlo aún necesita ayuda,
consulte nuestro servicio de
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www.magnavox.com/usasupport
o llame al teléfono
1-800-705-2000
y tenga a mano el producto
(y número de model / serial)*

For Customer Use / À l'usage du client /
Para Uso del Cliente

Model/Modle/ModeloNo. : _____

Serial/Srie/Serie No. : _____



Return your Product Registration Card or register online at
www.magnavox.com/usasupport today to get the very most from your purchase.

Registering your model with MAGNAVOX makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once, **or register online at www.magnavox.com/usasupport** to ensure:

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

MAGNAVOX

Congratulations on your purchase, and welcome to the "family!"

Dear MAGNAVOX product owner:

Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.


All of this is our way of saying welcome - and thanks for investing in a MAGNAVOX product.


P.S. To get the most from your MAGNAVOX purchase, be sure to complete and return your Product Registration Card at once or register online at:

www.magnavox.com/usasupport

Know these **safety** symbols



 This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

 The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING : To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION : To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION : Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____


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Visit our World Wide Web Site at <http://www.magnavox.com/usasupport>



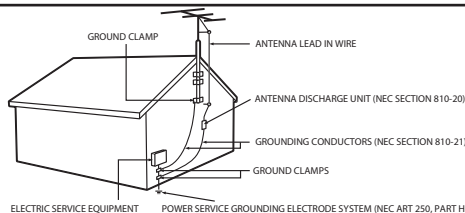
IMPORTANT SAFETY INSTRUCTIONS

Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings.
Install in accordance with the manufacturers 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 third grounding prong. The wide blade or third prong are provided for your safety. When 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 a 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 apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged;
 - B. Objects have fallen, or liquid has been spilled into the appliance;
 - C. The appliance has been exposed to rain
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance;
 - E. The appliance has been dropped, or the enclosure damaged.
16. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
 - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
 - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
17. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
18. **Power Lines** - An outdoor antenna should be located away from power lines.
19. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
20. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
21. **Battery Usage CAUTION** - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
 - Install all batteries correctly, with + and - aligned as marked on the unit.
 - Do not mix batteries (old and new or carbon and alkaline, etc.).
 - Remove batteries when the unit is not used for a long time.

Note to the CATV system installer : This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code



INTRODUCTION

FCC WARNING

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

RADIO-TV INTERFERENCE

This apparatus 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 apparatus 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 apparatus does cause harmful interference to radio or television reception, which can be determined by turning the apparatus 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 apparatus and receiver.
- 3) Connect the apparatus 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.

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 3.2 inches (8cm) or more around this apparatus.

Disconnect the mains plug to shut off when find trouble or not in use. The mains plug shall remain readily operable.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

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



Like all LCD products, this set contains a lamp with Mercury, please dispose of according to all Local, State and Federal laws. For the disposal or recycling information, contact: www.mygreenelectronics.com or www.eiae.org

WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the instructions.

TO AVOID THE HAZARDS OF ELECTRICAL SHOCK AND FIRE

- Do not handle the power cord with wet hands.
- Do not remove this TV cabinet. Touching parts inside the cabinet could result in electric shock and/or damage to this TV. For service and adjustment inside the cabinet, call a qualified dealer or an authorized service center.
- 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 TV.

LOCATION AND HANDLING

- The openings should not be blocked by placing the TV on a bed, sofa, carpet, rug, or other similar surface.
- Do not install the TV near or over a radiator or heat register.
- Do not install the TV 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 TV in a horizontal and stable position. Do not place anything directly on top or bottom of the TV. Depending on your external devices, noise or disturbance of the picture and/or sound may be generated if the TV is placed too close to them. In this case, please ensure enough space between the external devices and the TV.
- Depending on the environment, the temperature of this TV may increase slightly. This is not a malfunction.

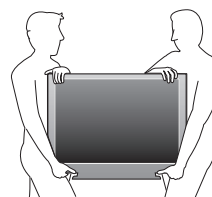
NOTE ABOUT RECYCLING

- This TV'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.



WHEN CARRYING THIS TV

- At least two people are required when carrying this TV.
- Make sure to hold the upper and bottom frames of the TV firmly as illustrated.



✓ Supplied Accessories

user manual
(1EMN22919)



registration card
(1VMN23233A)



remote control
(NF800UD)



batteries
(AAA x 2)



Phillips pan M4 x
10mm screw for
mounting the stand
x 3 (FPH34100)

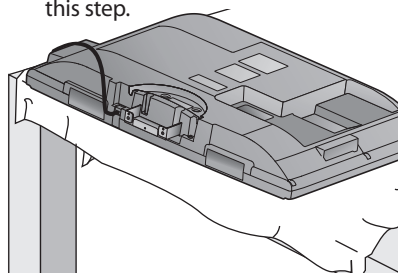


- If you need to replace these accessories, please refer to the part No. with the illustrations and call our toll free customer support line found on the cover of this manual.
- Depending on your antenna system, you may need different types of combiners (mixers) or separators (splitters). Contact your local electronics store for these items.

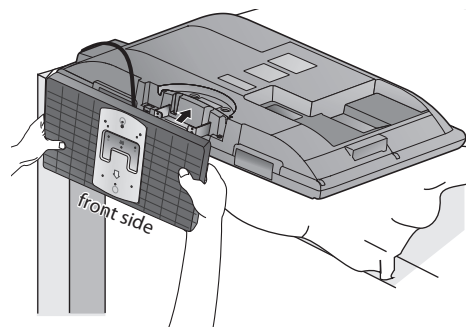
✓ Mounting the TV Stand

You must mount the stand to the TV to display upright. Be sure the front and rear of the stand match the proper direction.

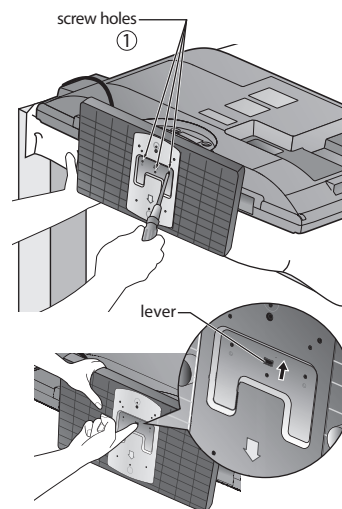
- 1** Spread a thick and soft cloth over a table. Place the TV face down onto it. Make sure not to damage the screen. At least two people are required at this step.



- 2** Insert the stand all the way to the TV slowly until it clicks. Make sure not to put the AC cord between the stand and the TV.



- 3** Drive Phillips pan screws in the 3 threaded holes at the bottom of the stand with a screwdriver tightly.



To Remove the Stand from this TV

Unscrew the Phillips pan screws indicated by "①", then lift the lever on the bottom stand and remove the stand from the TV slowly. Be careful not to drop the stand when you remove it.

Note:

- When mounting the stand, ensure that all screws are tightly fastened. If the stand is not properly attached, it could cause the TV to fall, resulting in injuries as well as damage to the TV.
- Make sure to use a table which can support the weight of this TV and is larger than this TV.
- Make sure the table is in a stable location.

✓ Symbols Used in this Manual

The following is the description for the symbols used in this manual.

Description refers to:

DTV

: Digital TV operation

TV

: Analog TV operation

- If neither symbol appears under the function heading, operation is applicable to both.



Product that have earned ENERGY STAR® are designed to protect the environment through superior energy efficiency.

INTRODUCTION

✓ Features

- **DTV/TV/CATV**
 - You can use your remote control to select channels which are broadcast in digital format and conventional analog format. Also, cable subscribers can access their cable TV channels.
- **Information Display (DTV only)**
 - You can display the title, contents and other information of the current DTV program on the TV screen.
- **Autoprogram**
 - This TV automatically scans and memorizes channels available in your area, eliminating difficult setup procedures.
- **Parental Control**
 - This feature allows you to block children's access to inappropriate programs.
- **Closed Caption Decoder**
 - Built-in closed caption decoder displays text for closed caption supported programs.
- **MTS/SAP Tuner**
 - Audio can be selected from the remote control.
- **Auto Shut Off Function**
 - If there is no signal input from the antenna terminal and no operation for 15 minutes, the TV will turn off automatically.
- **Sleep Timer**
 - This feature will automatically turned off the power of the TV at a specific time.
- **Choices for On-screen Language**
 - Select your on-screen language: English, Spanish or French.
- **Stereo Sound Function**
- **PLL Frequency Synthesized Tuning**
 - Provides free and easy channel selection and lets you tune directly to any channel using the channel number buttons on the remote control.
- **Resume**
 - This TV automatically memorizes settings if a power failure occurs.
- **HDMI Input**
- **PC Input**
- **Component Video Input**
- **S-video Input**
- **AV Input**
- **Digital Audio Coaxial Output**

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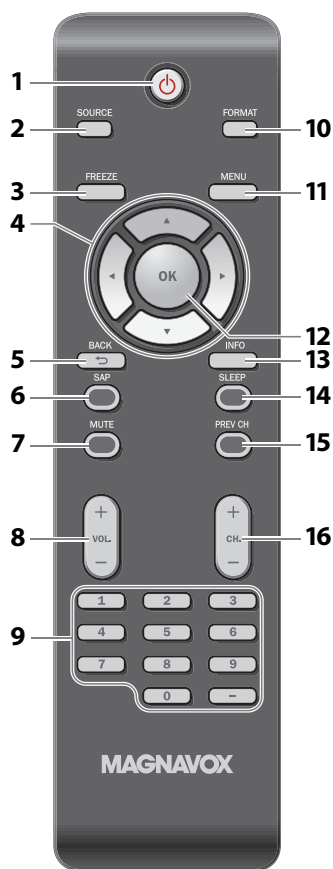
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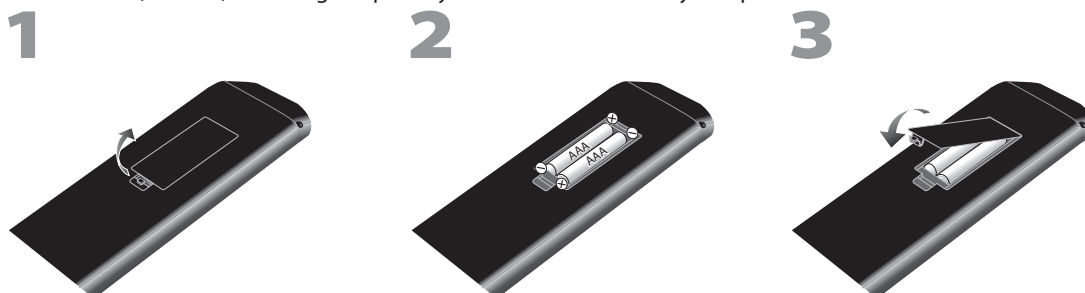
✓ Buttons on the Remote Control



1. **POWER** (p14)
Press to turn the TV on and off.
2. **SOURCE** (p18)
Press to access connected external devices like a DVD player or VCR.
3. **FREEZE** (p18)
Press to pause screen image.
4. **◀/▶/▲/▼** (p14)
Press to move left/ right/ up/ down through the items.
5. **BACK** (p19)
Press to return to the previous menu operation.
6. **SAP** (p18)
Digital Mode (DTV)
 - Press to select the audio language.**Analog Mode (TV)**
 - Press to select the audio mode.
7. **MUTE** (p17)
Press to turn the sound on and off.
8. **VOL. + / -** (p17)
Press to adjust the volume.
9. **Number buttons** (p17)
 - Press to select channels.
 - (hyphen)**
 - Press to shift the minor channel from the major channel.
10. **FORMAT** (p20)
Press to select aspect ratio available for the TV screen.
11. **MENU** (p15)
Press to display the main menu.
12. **OK** (p14)
Press to decide the command of setting when the main menu is displayed.
13. **INFO** (p19)
Digital Mode (DTV)
 - Press to display the channel information, signal type and TV setting.**Analog Mode (TV)**
 - Press to display the channel number, signal type and TV setting.**External Input Mode**
 - Press to display the external input modes, signal type and TV setting.
14. **SLEEP** (p17)
Press to activate the sleep timer.
15. **PREV CH** (p17)
Press to return to the previous channel.
16. **CH. + / -** (p17)
Press to select channels and the external input modes.

✓ Installing the Batteries

Install the batteries (AAA x 2) matching the polarity indicated inside battery compartment of the remote control.

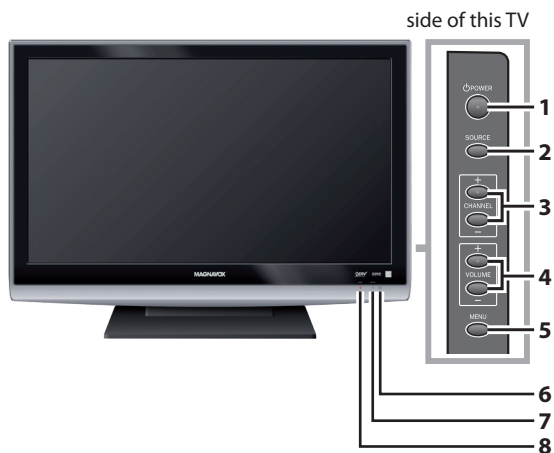


Battery Precautions:

- Be sure to follow the correct polarity as indicated in the battery compartment. Reversed batteries may cause damage to the device.
- Do not mix different types of batteries together (e.g., Alkaline and Carbon-Zinc) or old batteries with fresh ones.
- If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.
- Do not try to recharge batteries; they can overheat and rupture.

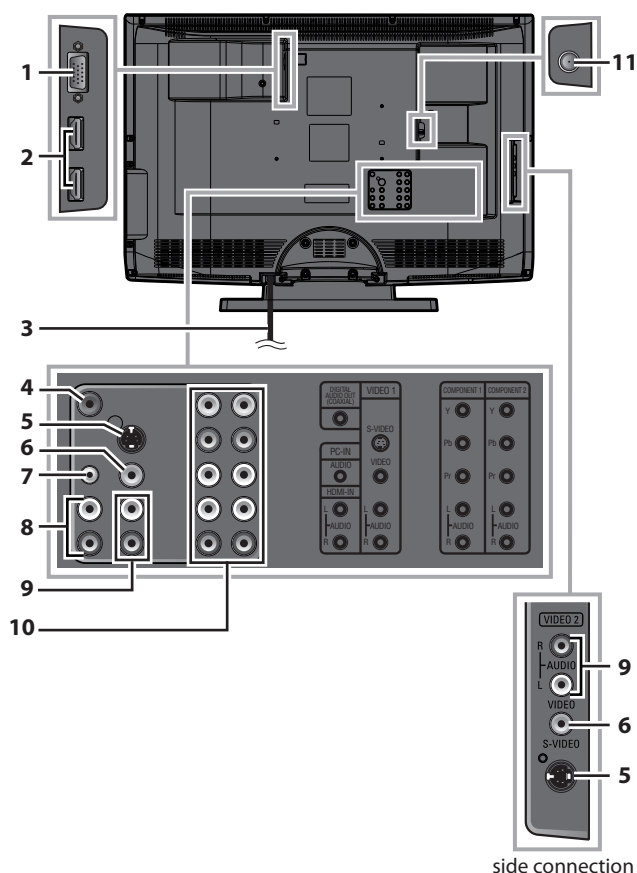
INTRODUCTION

✓ Control Panel



1. **POWER** (p14)
Press to turn the TV on and off.
2. **SOURCE** (p18)
 - Press to access connected external devices like a DVD player or VCR.
 - Press to decide the command of setting when the menu is displayed.
3. **CHANNEL + / -** (p17)
Press to select channels or move up/down through the main menu items.
4. **VOLUME + / -** (p17)
Press to adjust the volume or move right (+)/left (-) through the main menu items.
5. **MENU** (p15)
Press to display the main menu.
6. **Infrared sensor window**
Receives infrared rays transmitted from the remote control.
7. **Power on indicator**
Lights up when power is on.
8. **Stand by indicator**
Lights up in standby mode.

✓ Rear Panel



1. **PC input jack** (p13)
VGA cable connection for PC.
2. **HDMI input jack** (p10)
HDMI connection for HDMI devices.
3. **AC power cord**
Connect to a standard AC outlet to supply power to this TV.
4. **Coaxial digital audio output jack** (p12)
Coaxial digital audio connection for a decoder or an audio receiver.
5. **S-video input jack** (p11)
S-video connection for external devices.
6. **Video input jack** (p12)
Video connection for external devices.
7. **Audio input jack for PC connection** (p13)
Mini-plug audio cable connection for PC.
8. **Audio input jack** (p10)
Audio connection for DVI devices.
(For HDMI1 input jack only)
9. **Audio input jack** (p11)
Audio connection for external devices.
10. **Component video and audio input jack** (p11)
Component video and audio connection for external devices.
11. **Antenna input jack** (p9)
RF coaxial cable connection for your antenna or cable receiver /satellite box.

PREPARATION

Cables not included.

Please purchase the necessary cables at your local store.

Basic Connection

This section describes how to connect the TV to an antenna, cable receiver/satellite box, etc.

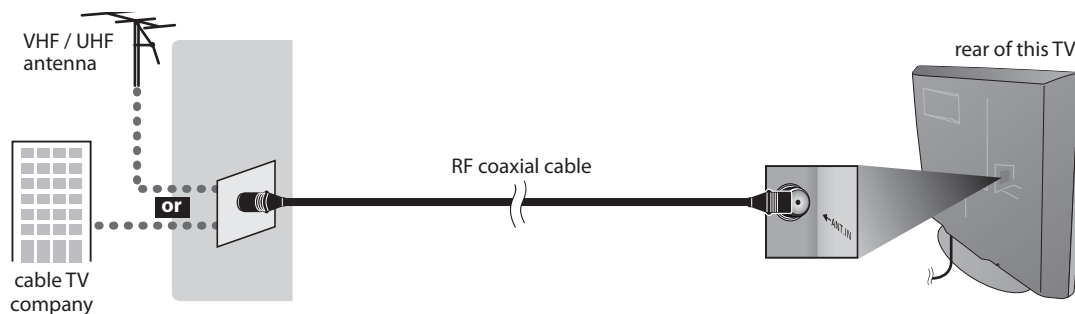
Note:

- Be sure your antenna or other device is connected properly before plugging in the power cord.

[Antenna Connection]

Connect the RF coaxial cable on your home outlet to the antenna input jack of this TV.

e.g.)



- * Once connections are completed, turn on the TV and begin initial setup. Autoprogram is necessary for the TV to memorize all available channels in your area. (Refer to "Initial Setup" on page 14.)

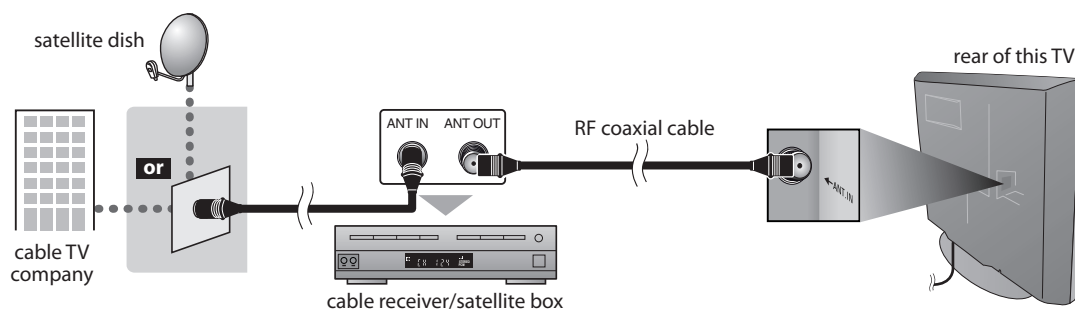
Note:

- For your safety and to avoid damage to this TV, please unplug the RF coaxial cable from the antenna input jack before moving the TV.
- If you use an antenna to receive analog TV, it should also work for DTV reception. Outdoor or attic antennas will be more effective than settop versions.
- To switch your reception source easily between antenna and cable, install an antenna selector.
- If you connect to the cable system directly, contact the CATV installer.

[Connection to Cable Receiver Box or Satellite Box]

Use an RF coaxial cable to connect the antenna input jack of the TV to the antenna output jack of the cable receiver / satellite box.

e.g.)



- * Required cables and connecting methods differ depending on the cable receiver/satellite box. For more information, please contact your cable receiver /satellite provider.

PREPARATION

Cables not included.

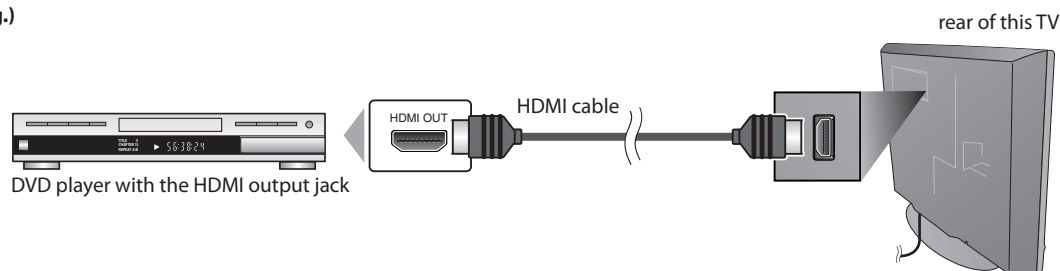
Please purchase the necessary cables at your local store.

External Device Connection

[HDMI Connection]

HDMI (High-Definition Multimedia Interface) transports high definition video and multi-channel digital audio through a single cable. It ensures that the content sent from the source to the TV is of the highest possible resolution. Use an HDMI cable to connect the TV to external video devices equipped with HDMI output jack.

e.g.)



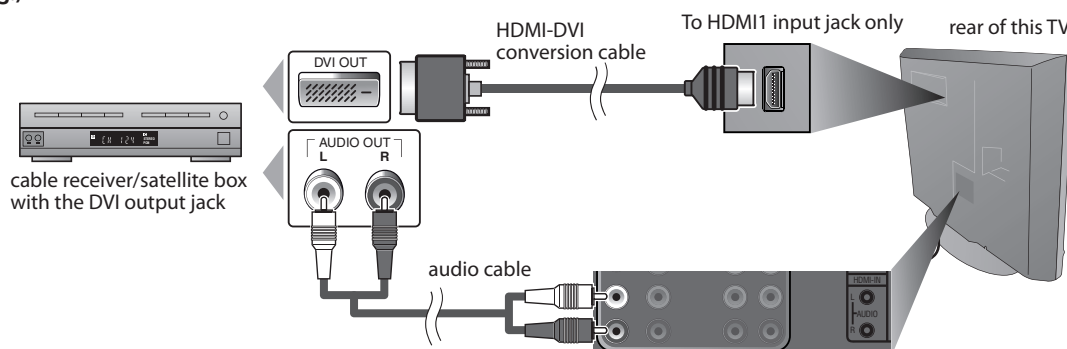
Note:

- This TV accepts 480i / 480p / 720p / 1080i video signals, and 32kHz / 44.1kHz / 48kHz audio signals.
- This TV accepts only 2 channel audio signal (LPCM).
- You need to select "PCM" for the digital audio output of the device connected or check the HDMI audio setting. There may be no audio output if you select "Bitstream", etc.
- This TV only accepts signals compliant with EIA861.

[HDMI-DVI Connection]

Use an HDMI-DVI conversion cable to connect the TV to external video devices equipped with DVI output jack.

e.g.)



Note:

- This TV accepts 480i / 480p / 720p / 1080i video signals.
- HDMI-DVI connection requires separate audio connection as well.
- Audio signals are converted from digital to analog for this connection.
- DVI does not display 480i image that is not compliant with EIA/CEA-861/861B.

Cables not included.

Please purchase the necessary cables at your local store.

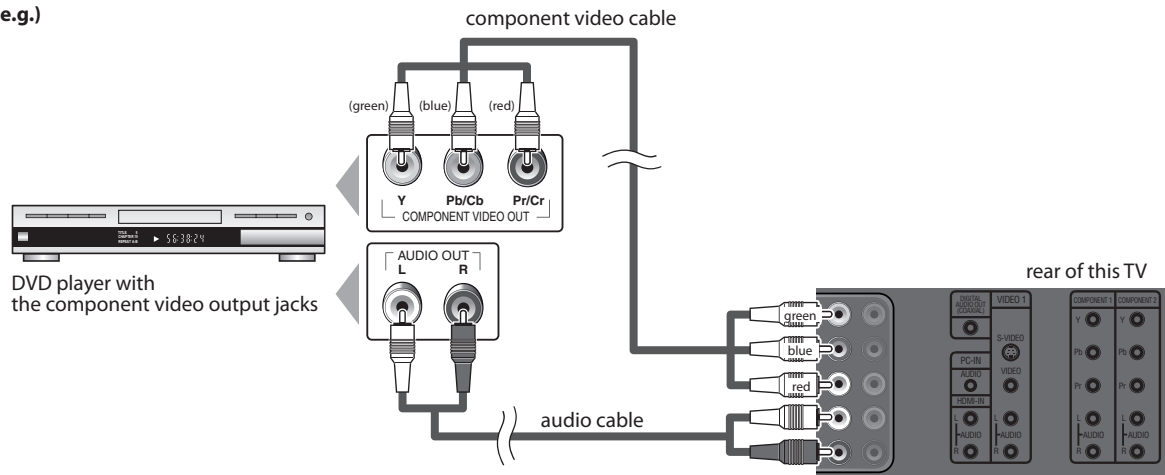
[Component Video Connection]

Component video connection offers better picture quality for video devices connected to the TV.

Use a component video cable to connect the TV to external video devices equipped with component video output jacks.

If you connect to the TV's COMPONENT1 or COMPONENT2 video input jacks, connect an audio cable to the audio L/R jacks of COMPONENT1 or COMPONENT2 accordingly.

e.g.)



Note:

- This TV accepts 480i / 480p / 720p / 1080i video signals.
- When the noise appears on the TV screen, disconnecting the VGA cable may reduce it.

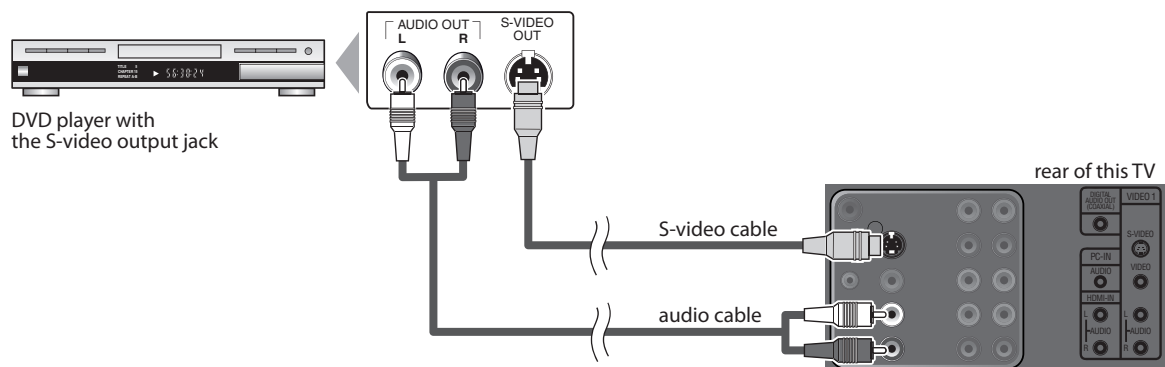
[S-video Connection]

S-video connection offers good picture quality for video devices connected to the TV.

Use an S-video cable to connect the TV to external video devices equipped with S-video output jack.

If you connect to the TV's VIDEO1 S-video or VIDEO2 S-video input jack, connect an audio cable to the audio L/R jacks of VIDEO1 or VIDEO2 accordingly.

e.g.)



Note:

- If you connect to the S-video input jack and the video input jack at the same time, the S-video connection will have priority.

PREPARATION

Cables not included.

Please purchase the necessary cables at your local store.

[Video in Connection]

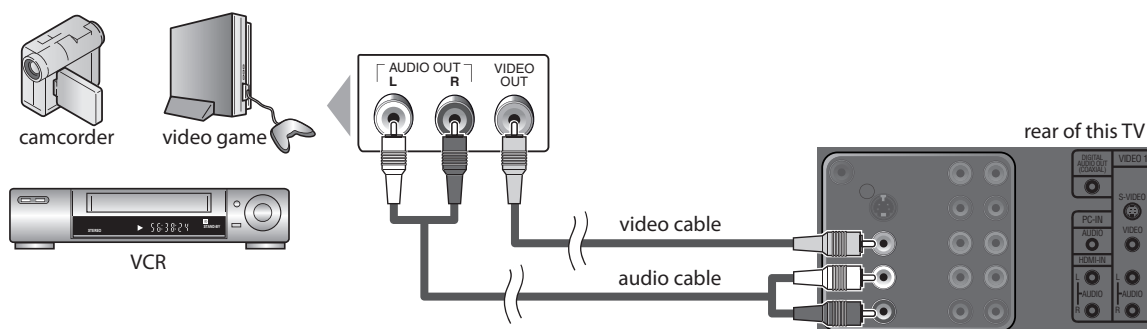
It offers standard picture quality for video devices connected to the TV.

Use an video cable to connect the TV to external video devices equipped with video output jack.

If you connect to the TV's VIDEO1 or VIDEO2 video input jack, connect an audio cable to the audio L/R jacks of VIDEO 1 or VIDEO 2 accordingly.

When the audio jack of the video device is monaural, connect an audio cable to the audio L input jack.

e.g.)



Note:

- If you connect to the S-video input jack and the video input jack at the same time, the S-video connection will have priority.

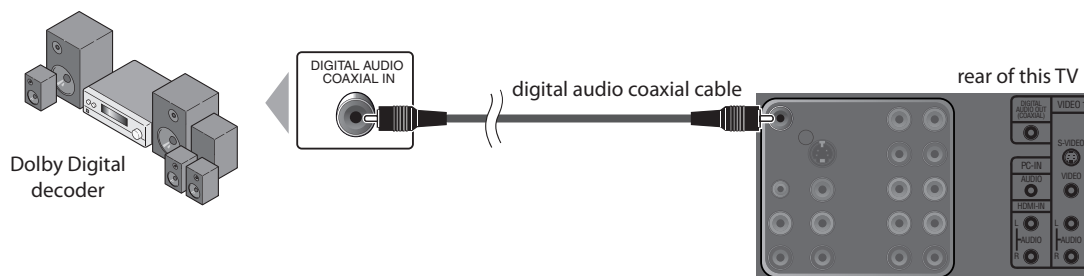
[Audio Output Connection]

*** Digital** (for digital broadcasting only)

If you connect this TV to an external digital audio device, you can enjoy multi-channel audio like 5.1ch digital broadcasting sound.

Use a digital audio coaxial cable to connect the TV to external digital audio devices.

e.g.)



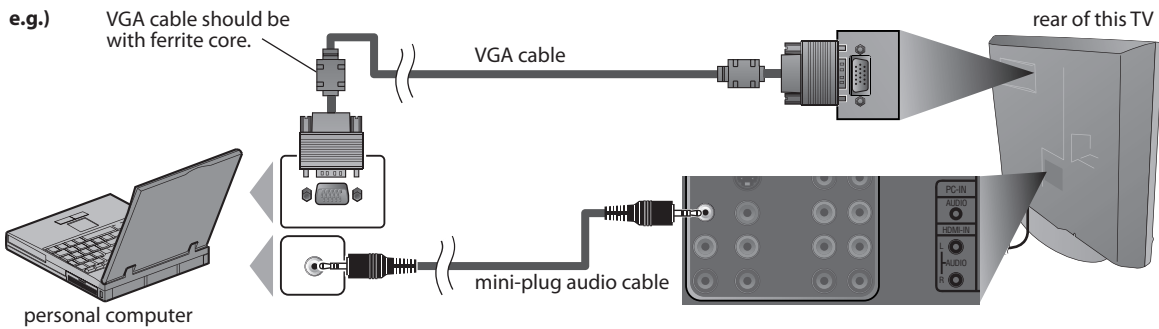
Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Cables not included.

Please purchase the necessary cables at your local store.

[PC Connection]

This TV is equipped with a PC input jack. If you connect this TV to your PC, you can use this TV as a computer monitor.



The following signals can be displayed:

Format	Resolution	Vertical frequency
SVGA	800 x 600	60Hz
XGA	1024 x 768	60Hz
WXGA	1280 x 768	60Hz
WXGA	1360 x 768	60Hz

Other formats or non-standard signals will not be displayed correctly.

Note:

- Please purchase the VGA cable that has a ferrite core.
- The following operations may reduce noise.
 - Attach a ferrite core to the AC power cord of your PC.
 - Unplug the AC power cord and use the built-in battery of your PC.

INITIAL SETTING

These operations are accessible by remote control. Some may also be accessible by controls on the main TV.

✓ Initial Setup

This section will guide you through the TV's initial setting which includes selecting a language for your on-screen menu and autoprogram, which automatically scans and memorizes viewable channels.

Before you begin:

Make sure if the TV is connected to antenna or cables.

- 1 After making all the necessary connections, press **[POWER ⏻]** to turn on the TV.



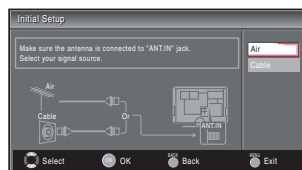
- This operation may take a few moments.

- 2 Use **[Cursor ▲/▼]** to select the on-screen language from the choices on the right side of the TV screen. (English / Español / Français)

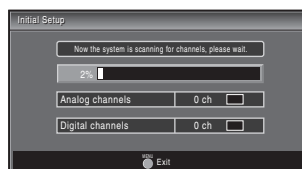


- "Initial Setup" menu on step 3 will be displayed in the selected language after you press **[OK]**.

- 3 Use **[Cursor ▲/▼]** to select "Air" for TV channels or "Cable" for CATV channels, then press **[OK]**.



- Scanning and memorizing of channels start automatically.



- When the scanning and memorizing of channels are completed, the lowest memorized channel will be displayed.

Note:

- If you connect the cable system directly, contact the CATV installer.
- If you press **[POWER ⏻]** or **[MENU]** during autoprogram, this setting will be canceled.
- The initial autoprogram function can be executed for either "Air" or "Cable" only once. When you change the connection (Air/Cable), set autoprogram again. (Refer to page 15.)
- You can cancel or exit the initial autoprogram menu by pressing **[MENU]**.
- If there is no signal input from the antenna terminal and no operation for several seconds after you turn on the TV, "Helpful Hints" appears. Follow the instructions listed on the TV screen.

No channel is registered.
Press and hold "OK" key on the remote control for 3 seconds.
Contact support hotline provided on manual or back of unit.

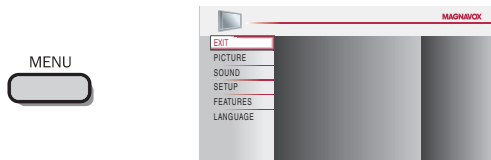
Sin canal registrado.
Pulse durante 3 segundos la tecla "OK" en el control remoto.
Llame teléfono de apoyo en manual o atrás de TV.

Pas de chaîne consign.
Enfoncez "OK" 3 secondes sur la télécommande.
Contacter numéro d'urgence dans manuel ou arrière appareil.

✓ Main Menu

This section describes the overview of the main menu displayed when you press [MENU]. For more details, see the reference page for each item. The main menu consists of the function setting items below.

Press [MENU].



EXIT

To exit settings.

PICTURE

You can adjust the picture quality.
(Refer to "Picture Adjustment" on page 23.)

SOUND

You can adjust the sound quality.
(Refer to "Sound Adjustment" on page 24.)

SETUP

You can automatically scan the viewable channels and remove the undesired channels.
(Refer to "Autoprogram" on page 15.)

FEATURES

You can change the display format for closed caption, which displays the dialogue of a TV program or other information across the TV screen.
(Refer to "Closed Caption" on page 25.)

You can set the viewing limitations.
(Refer to "Parental Control" on page 29.)

You can adjust the position, stability and clarity of the PC screen.
(Refer to "PC Settings" on page 32.)

You can select the sound input for the HDMI1 input jack if your TV is connected to an HDMI or DVI device.
(Refer to "HDMI Audio" on page 33.)

LANGUAGE

You can change the language (English, Spanish, French) displayed on the main menu.
(Refer to "Language Selection" on page 16.)

✓ Autoprogram

If you switch wires (e.g., between antenna and CATV) or if you move the TV to a different area after the initial setting, or if you restore the DTV channel you deleted, you will need to perform autoprogram.

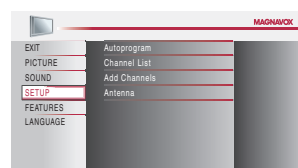
Before you begin:

Make sure if the TV is connected to antenna or cables.

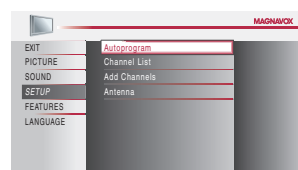
1 Press [MENU] to display the main menu.



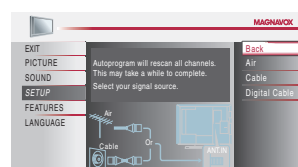
2 Use [Cursor ▲/▼] to select "SETUP", then press [OK].



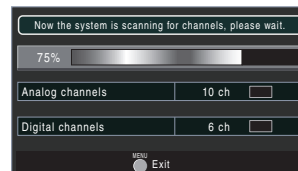
3 Use [Cursor ▲/▼] to select "Autoprogram", then press [OK].



Use [Cursor ▲/▼] to select an appropriate option, then press [OK].



- When aerial antenna is connected, select "Air".
- When connected to CATV, select "Cable".
- Scanning and memorizing of channels start automatically.



- When the scanning and memorizing are completed, the lowest memorized channel will be displayed.

INITIAL SETTING

Note:

- After setting "Autoprogram", using [CH. + / -] on the remote control skips unavailable programs automatically.
- If you connect the cable system directly, contact the CATV installer.
- If you press [POWER] or [MENU] during autoprogram, the setting will be canceled.
- Channel settings will be saved even if the power fails.
- If you need the English menus instead of the Spanish or French menus you are having, press [MENU]. Use [Cursor ▲/▼] to select "IDIOMA" or "LANGUE", then press [OK]. Use [Cursor ▲/▼] to select "English", then press [OK]. Press [MENU] to exit the main menu.
- With regard only to the digital channel, even after the scanning is completed if you unplug the AC power cord before turning off the TV by pressing [POWER], the channel setting may be lost.

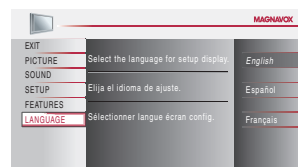
✓ Language Selection

You can choose English, Spanish, or French as your on-screen language.

- 1 Press [MENU] to display the main menu.



- 2 Use [Cursor ▲/▼] to select "LANGUAGE", then press [OK].



- 3 Use [Cursor ▲/▼] to select "English", "Español" or "Français", then press [OK].



- 4 Press [MENU] to exit.



✓ Channel Selection

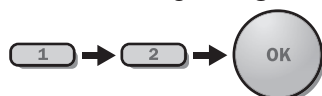
Select channels by pressing [CH. + / -] or [the Number buttons].

- To select the memorized channels, use [CH. + / -] or [the Number buttons].
- To select the non-memorized channels, use [the Number buttons].

To Use [the Number buttons]

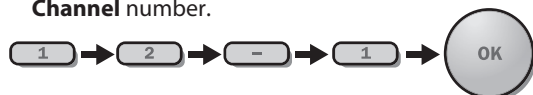
TV

- When selecting Analog Channel 12



DTV

- When selecting digital channel 12-1
Be sure to press [-] before entering the **Minor Channel** number.



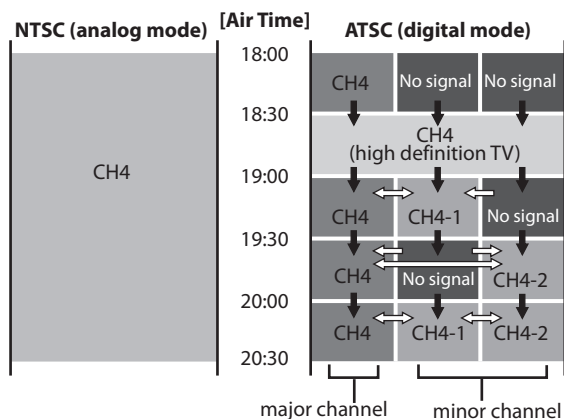
- Press [PREV CH] to return to the previously viewed channel.

About digital TV broadcasting:

With its high definition broadcast, digital broadcasting far surpasses analog broadcasting in both its picture and sound quality.

What is the minor channel?

By using high compression technology, digital broadcasting offers a service that enables multiple signals to send simultaneously. Therefore, you can select more than one program per major channel since digital broadcasting technology distinguishes between multiple channels broadcast by a single network.



➡ : change automatically

⇔ : change manually by using [CH. + / -]

Note:

- "No Signal" will appear on the TV screen after the minor channel broadcast is over.
- "Audio only program" message will appear on the TV screen, when you receive only sound signal.

✓ Volume Adjustment

This section describes how to adjust the volume. The mute function, which turns the sound off and on, is also described.

Use [VOL. + / -] to adjust the audio volume.



- The volume bar will be displayed at the bottom of the TV screen when adjusting the volume.
- The volume bar will automatically disappear in a few seconds.

Press [MUTE] to turn off and on the sound.



- "Mute" is displayed on the TV screen for a few seconds.
- Press [MUTE] again or [VOL. + / -] to recover the original volume.

✓ Sleep Timer

The sleep timer can be set to automatically turn off the TV after an incremental period of time.

- Press [SLEEP] to set the sleep timer.



- Sleep timer display appears on the TV screen.

- Press [SLEEP] repeatedly to change the amount of time until shut off.



- You can set your TV to turn off after a set period of time (from 30 to 120 minutes).
- Each press of [SLEEP] will increase the time by 30 minutes.
- After setup, the sleep timer display can be called up for checking by pressing [SLEEP].

To Cancel the Sleep Timer

Press [SLEEP] repeatedly until "Sleep Off" is displayed on the TV screen.

Note:

- The sleep timer display will automatically disappear in a few seconds.
- When you disconnect the TV from the AC outlet or when a power failure occurs, the sleep timer setting will be canceled.

WATCHING TV

✓ Still Mode

You can pause the image shown on the TV screen.

Press **[FREEZE]** to pause the image shown on the TV screen.



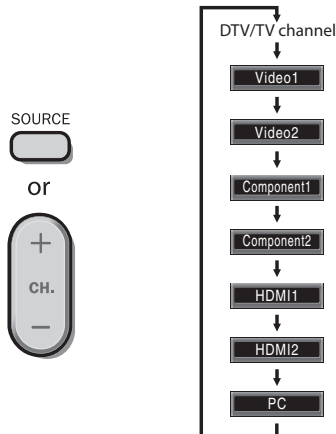
- The sound output will not be paused.
- If no signal is detected or protected signal is received during still mode, the image remains paused and the sound output will be muted.
- The still function will be released after 5 minutes.

To cancel still mode, press any button except **[POWER]**.

✓ Switching Each Input Mode

You can easily switch with the remote control to the DTV (ATSC) and TV (NTSC) or to access external devices when they are connected to the TV.

Press **[SOURCE]** or **[CH. +]** repeatedly to cycle through the input modes.



- Pressing **[CH. —]** reverses the direction of the input modes.
- To use the video or S-video input jack of VIDEO1 on the TV, select "Video1".
- To use the video or S-video input jack of VIDEO2 on the TV, select "Video2".
- To use the component video input jacks of COMPONENT1 on the TV, select "Component1".
- To use the component video input jacks of COMPONENT2 on the TV, select "Component2".
- To use the HDMI1 input jack on the TV, select "HDMI1".
- To use the HDMI2 input jack on the TV, select "HDMI2".
- To use the PC input jack on the TV, select "PC".

✓ Switching Audio Mode

This section describes how to switch the audio in the analog mode and how to switch the audio language in the digital mode.

TV

- 1 Press **[SAP]** to display the currently selected audio mode. While receiving an MTS broadcast, press repeatedly to cycle through the available audio channel.



When all audio are available



When stereo and monaural audio are available



When SAP and monaural audio are available



When only monaural audio is available



(Cannot be switched)

- STEREO** : Outputs stereo-audio
- SAP** : Outputs second audio program
- MONO** : Outputs mono-audio

DTV

- 1 Press **[SAP]** to display the currently selected language and the number of available languages.



- 2 Press **[SAP]** repeatedly to cycle through the available audio languages.



- Available languages differ depending on the broadcast. "Other" is displayed when the audio language cannot be acquired, or the acquired languages are other than English, Spanish or French.

Note:

- Pressing **[SAP]** does not control external audio devices.
- The information display will automatically disappear in a few seconds.

✓ Screen Information

You can display the currently selected channel or other information such as the audio mode on the TV screen.

TV

In the analog mode, the current channel number and the audio mode are displayed.

Press **[INFO]**.



- The current channel number, audio mode, type of resolutions for video signal, TV aspect ratio, CC and TV program rating are displayed on the top-right corner of the TV screen.
To clear the display, press **[INFO]** again. You can also press **[BACK ↵]**.

DTV

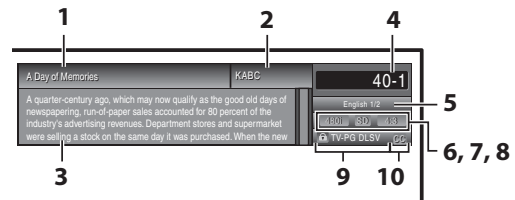
In the digital mode, the detailed broadcasting information for the current channel such as program title, program guides are displayed.

Press **[INFO]** to display the details of the currently selected program.



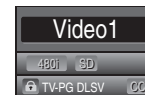
Broadcasting Information

- The following information is displayed.
 - program title
 - broadcast station
 - program guide
(The program guide added to broadcasting information is displayed. Maximum display of 4 lines.)
 - channel number
 - audio language
(Refer to "Switching Audio Mode" on page 18.)
 - effective scanning lines and scan mode
 - program format
 - program aspect ratio
 - program rating
 - CC (not available if CC is set to "Off")



Note:

- When the program guide consists of more than 4 lines, use **[Cursor ▲/▼]** to scroll.
- "No description provided" is displayed when the program guide is not provided.
- While the program guide is displayed, the closed caption function is interrupted.
- In external input mode, the following screen is displayed; e.g.) When an external device is connected to VIDEO1 input jack.



- The information display will automatically disappear in 1 minute.

WATCHING TV

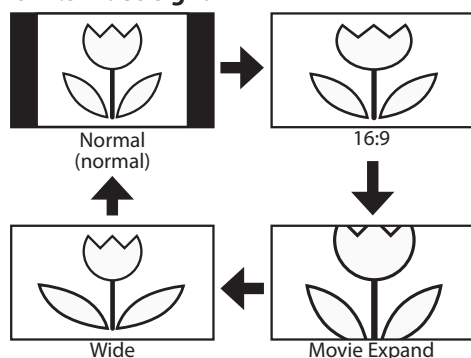
✓ TV Screen Display Mode

4 types of display modes can be selected when the broadcasting station is sending 4:3 or 16:9 video signal. And 3 types of display modes can be selected for PC input signal.

Press **[FORMAT]** repeatedly to switch the TV aspect ratio.



For 4:3 video signal



Normal

Display a 4:3 picture at its original size. Sidebars appear on both edges of the screen.

16:9

Display a 4:3 picture at a 16:9 size; the picture is stretched horizontally to fill the screen.

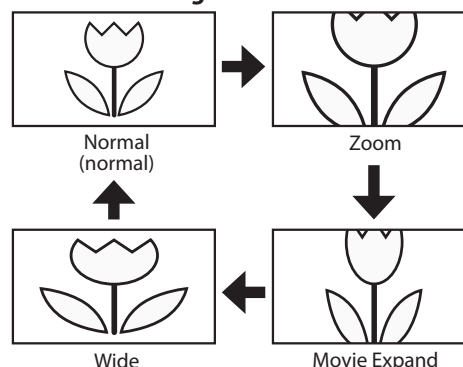
Movie Expand

Display a 4:3 picture at a 16:9 size; the picture is stretched horizontally and vertically to fill the screen. This crops out the top and bottom of the picture.

Wide

Display the picture with its center at the original size and the edges stretched horizontally.

For 16:9 video signal



Normal

Display a 16:9 picture at its original size.

Zoom

Display a 16:9 picture at its maximum size without changing its horizontal and vertical ratio.

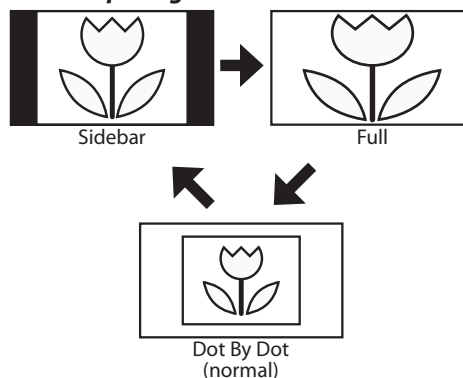
Movie Expand

Display a vertically stretched picture.

Wide

Display a horizontally stretched picture.

For PC input signal



Sidebar

Display a proportionately stretched picture. Sidebars appear on both edges of the screen.

Full

Display a picture that is stretched out of proportion to fill the screen.

Dot By Dot

Display a picture in its original size.

Note:

- You may not switch the display mode depending on the program.
- For PC input signal, "Sidebar" may not be selectable depending on the aspect ratio of the input signal.

OPTIONAL SETTING

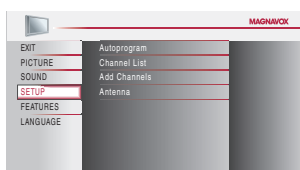
✓ Channel List

The channel list function lets you remove undesired channels from the channel registration list.

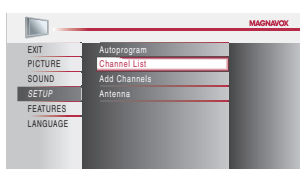
- 1 Press **[MENU]** to display the main menu.



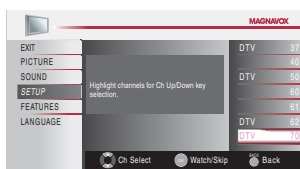
- 2 Use **[Cursor ▲/▼]** to select "SETUP", then press **[OK]**.



- 3 Use **[Cursor ▲/▼]** to select "Channel List", then press **[OK]**.



- 4 Use **[Cursor ▲/▼]** to select the channel you want to remove, then press **[OK]**.



- The channel display for the removed channel darkens. You will not be able to select the channel again using **[CH. + / -]**.
- To reactivate a removed channel, use **[Cursor ▲/▼]** and press **[OK]**. The registered channels are highlighted.
- When you remove a major channel, its minor channels are removed as well.

Note:

- The channel with the "DTV" indicated on the display is ATSC. Otherwise the channel is NTSC.

- 5 Press **[MENU]** to exit.



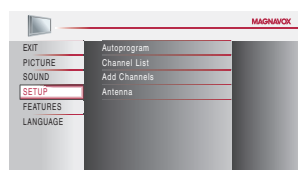
✓ Add Channels

This function lets you add the channels that were not added by the autoprogram due to the reception condition at the initial setting.

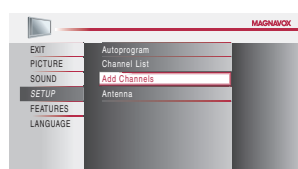
- 1 Press **[MENU]** to display the main menu.



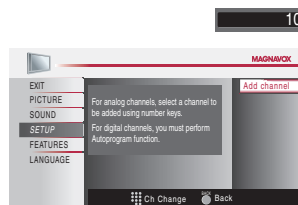
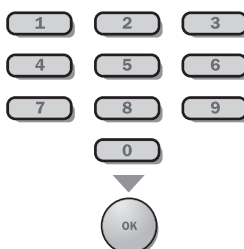
- 2 Use **[Cursor ▲/▼]** to select "SETUP", then press **[OK]**.



- 3 Use **[Cursor ▲/▼]** to select "Add Channels", then press **[OK]**.



- 4 Use **[the Number buttons]** to enter the number of the channel you want to add, then press **[OK]**.



- 5 Press **[MENU]** to exit.



Note:

- When "Added to the channel list" is displayed, it has been set-up completely.
- It just allows you to change this register when watching TV program.

OPTIONAL SETTING

✓ Antenna Confirmation

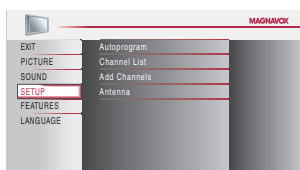
DTV

This function lets you check the digital signal strength of each channel.

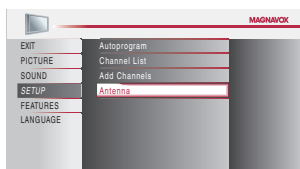
- 1 Press **[MENU]** to display the main menu.



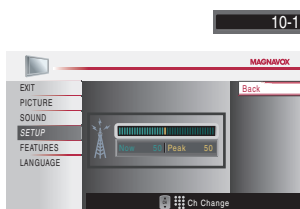
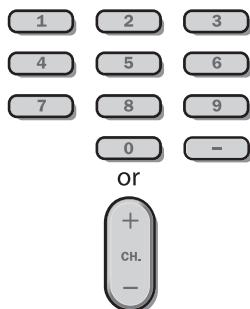
- 2 Use **[Cursor ▲/▼]** to select "SETUP", then press **[OK]**.



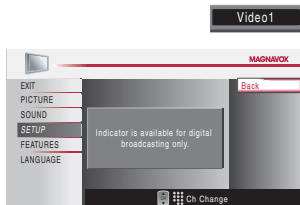
- 3 Use **[Cursor ▲/▼]** to select "Antenna", then press **[OK]**.



- 4 Use **[the Number buttons]** or **[CH. + / -]** to select the channel for which you want to check the digital signal strength.



- If the channel is set to analog channel or external input, you cannot confirm the antenna condition.



- 5 Press **[MENU]** to exit.



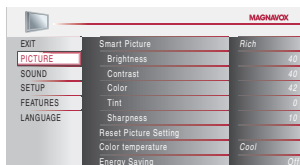
✓ Picture Adjustment

You can adjust brightness, contrast, color, tint and sharpness.

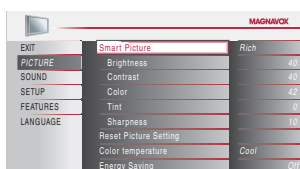
- 1 Press **[MENU]** to display the main menu.



- 2 Use **[Cursor ▲/▼]** to select "PICTURE", then press **[OK]**.



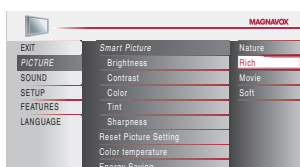
- 3 Use **[Cursor ▲/▼]** to select the item you want to adjust, then press **[OK]**.



- 4 Adjust the picture quality.

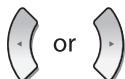
Smart Picture

Use **[Cursor ▲/▼]** to select the desired setting, then press **[OK]**. (**Nature**, **Rich**, **Movie** and **Soft**)



Brightness, Contrast, Color, Tint, Sharpness

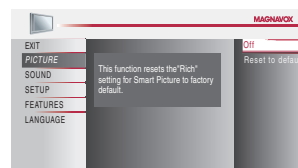
Use **[Cursor ◀/▶]** to adjust.



	Cursor ◀	Cursor ▶
Brightness Adjust Move OK	to decrease brightness	to increase brightness
Contrast Adjust Move OK	to decrease contrast	to increase contrast
Color Adjust Move OK	to decrease color	to brighten color
Tint Adjust Move OK	to add red	to add green
Sharpness Adjust Move OK	to make soft	to make clear

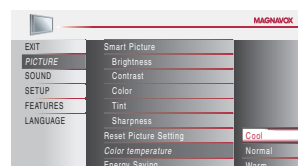
Reset Picture Settings

Use **[Cursor ▲/▼]** to select "Reset to default", then press **[OK]** to restore the "Picture Mode" settings to the default.



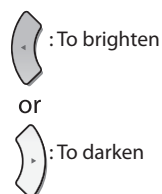
Color Temperature

Use **[Cursor ▲/▼]** to select the desired setting, then press **[OK]**. (**Cool**, **Normal** and **Warm**)



Energy Saving

Use **[Cursor ◀/▶]** to adjust the brightness of the backlight.



- 5 Press **[MENU]** to exit.



Note:

- To cancel picture adjustment, press **[MENU]**.
- When this TV is connected to PC or DVI devices, you cannot select "Sharpness".

OPTIONAL SETTING

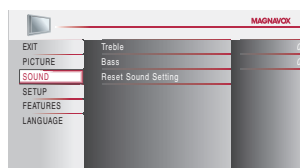
✓ Sound Adjustment

You can adjust treble and bass.

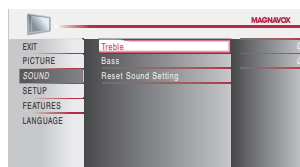
- 1 Press **[MENU]** to display the main menu.



- 2 Use **[Cursor ▲/▼]** to select "SOUND", then press **[OK]**.



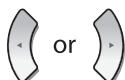
- 3 Use **[Cursor ▲/▼]** to select the sound type you want to adjust, then press **[OK]**.



- 4 Adjust the sound setting.

Treble, Bass

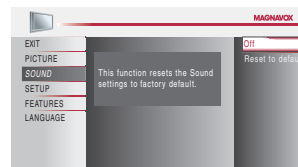
Use **[Cursor ◀/▶]** to adjust.



	Cursor ◀	Cursor ▶
Treble 	to decrease higher-pitched sounds	to increase higher-pitched sounds
Bass 	to decrease lower-pitched sounds	to increase lower-pitched sounds

Reset Sound Settings

Use **[Cursor ▲/▼]** to select "Reset to default", then press **[OK]** to restore the sound settings to the default.



- 5 Press **[MENU]** to exit.



Note:

- To cancel sound adjustment, press **[MENU]**.

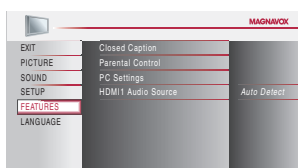
✓ Closed Caption

You can view closed captioning (cc) for TV programs, movies and news. Closed caption refer to text of dialogue or descriptions displayed on-screen for the hearing impaired.

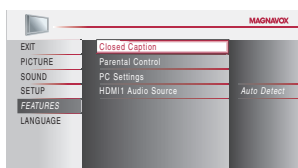
- 1 Press [MENU] to display the main menu.



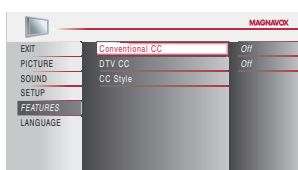
- 2 Use [Cursor ▲/▼] to select "FEATURES", then press [OK].



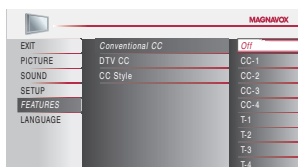
- 3 Use [Cursor ▲/▼] to select "Closed Caption", then press [OK].



- 4 Use [Cursor ▲/▼] to select "Conventional CC", then press [OK].



- 5 Use [Cursor ▲/▼] to select the desired closed caption, then press [OK].



Caption Mode

CC-1 and T-1;

are the primary caption and text services.

The captioning or text is displayed in the same language as the program's dialogue (up to 4 lines of script on the TV screen, where it does not obstruct relevant parts of the picture).

CC-3 and T-3;

serve as the preferred data channels.

The captioning or text is often a secondary language.

CC-2, CC-4, T-2 and T-4;

are rarely available and broadcasters use them only in special conditions, such as when "CC-1" and "CC-3" or "T-1" and "T-3" are not available.

- There are 3 display modes according to programs:

Paint-on mode:

Displays input characters on the TV screen immediately.

Pop-on mode:

Once characters are stored in memory, they are displayed all at once.

Roll-up mode:

Displays the characters continuously by scrolling (max. 4 lines).

- 6 Press [MENU] to exit.



Note:

- To show the closed caption on your TV screen, broadcast signal must contain the closed caption data.
- Not all TV programs and commercials have the closed caption or all types of the closed caption.
- Captions and texts may not match the TV voice exactly.
- Changing channels may delay the closed caption for a few seconds.
- Adjusting or muting the volume may delay the closed caption for a few seconds.
- Abbreviations, symbols and other grammatical shortcuts may be used in order to keep pace with the on-screen action. This is not a problem with the TV.
- The caption or text characters will not be displayed while the main menu or functions display is shown.
- If a black box appears on the TV screen, this means that the closed caption is set to the text mode. To clear the box, select "CC-1", "CC-2", "CC-3", "CC-4" or "Off".
- If the TV receives poor quality television signals, the captions may contain errors, or there might be no captions at all. Some possible causes of poor quality signals are:
 - Automobile ignition noise
 - Electric motor noise
 - Weak signal reception
 - Multiplex signal reception (ghosts or screen flutter)
- The TV retains the closed caption setting if the power fails.
- Closed caption will not be displayed when you are using an HDMI connection.
- When the TV receives a special effects playback signal (i.e., Search, Slow and Still) from a VCR's video output channel (CH3 or CH4), the TV may not display the correct caption or text.

OPTIONAL SETTING

✓ DTV Closed Caption

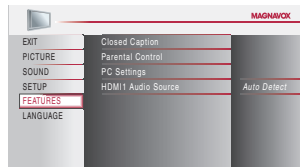
DTV

In addition to the basic closed caption described on page 25, DTV has its own closed caption called DTV CC. Use this menu to change the settings for DTV CC.

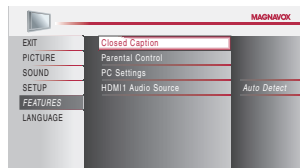
- 1 Press **[MENU]** to display the main menu.



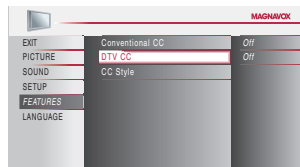
- 2 Use **[Cursor ▲/▼]** to select "FEATURES", then press **[OK]**.



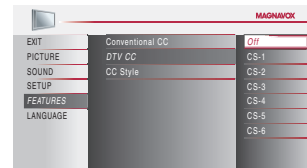
- 3 Use **[Cursor ▲/▼]** to select "Closed Caption", then press **[OK]**.



- 4 Use **[Cursor ▲/▼]** to select "DTV CC", then press **[OK]**.



- 5 Use **[Cursor ▲/▼]** to select the desired DTV closed caption, then press **[OK]**.



DTV CC	Off	Select if you do not want DTV CC. This is the default.
	CS-1 to CS-6	Select one of these before changing any other item in "Closed Caption" menu. Choose "CS-1" under normal circumstances.

- 6 Press **[MENU]** to exit.



Note:

- "DTV CC" that you can switch differs depending on the broadcast description.

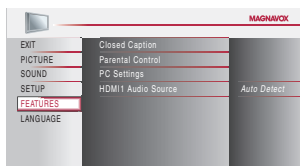
✓ CC Style

You can change the CC style such as font, color or size, etc.

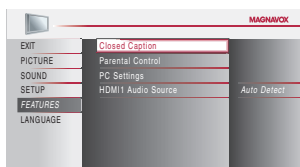
- 1 Press **[MENU]** to display the main menu.



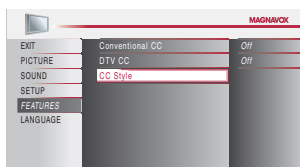
- 2 Use **[Cursor ▲/▼]** to select "FEATURES", then press **[OK]**.



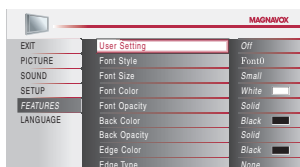
- 3 Use **[Cursor ▲/▼]** to select "Closed Caption", then press **[OK]**.



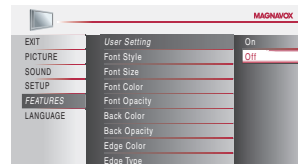
- 4 Use **[Cursor ▲/▼]** to select "CC Style", then press **[OK]**.



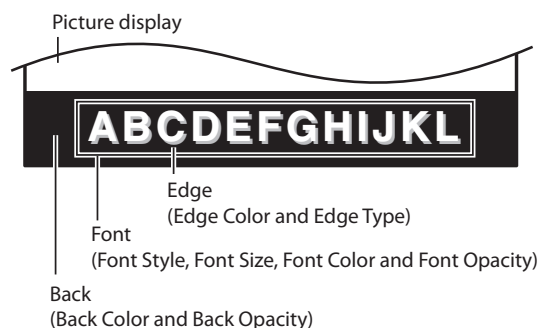
- 5 Use **[Cursor ▲/▼]** to select "User Setting", then press **[OK]**.



- 6 Use **[Cursor ▲/▼]** to select "On", then press **[OK]**.



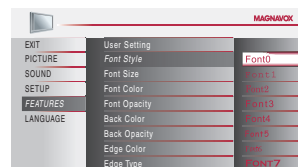
- 7 Use **[Cursor ▲/▼]** to select an item, then press **[OK]**. Then use **[Cursor ▲/▼]** to select the desired setting and press **[OK]**.



- The setting description for each item is shown below.

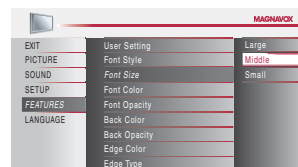
Font Style

Closed Captioning font style can be changed as below.



Font Size

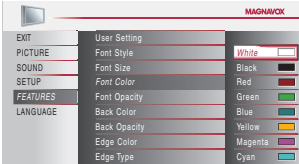
Font size of the displayed caption can be switched as below.



OPTIONAL SETTING

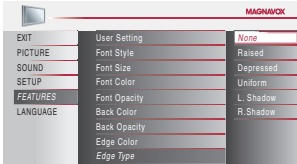
Font Color

Font color of the displayed caption can be switched as below.



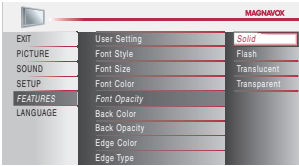
Edge Type

Edge type of the displayed caption can be switched as below.



Font Opacity

Font opacity of the displayed caption can be switched as below.

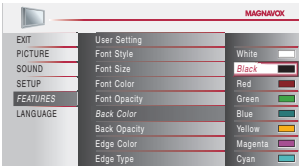


8 Press [MENU] to exit.



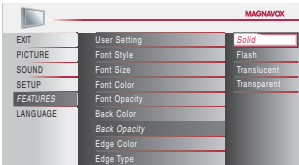
Back Color

Background color of the displayed caption can be switched as below.



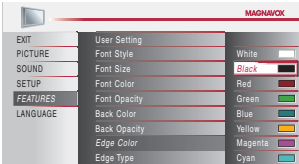
Back Opacity

Background opacity of the displayed caption can be switched as below.



Edge Color

Edge color of the displayed caption can be switched as below.



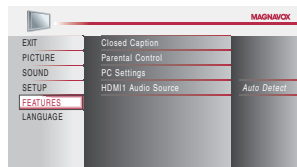
✓ Parental Control

Parental control reads the ratings for programs, then denies access to the programs which exceed the rating level you set. With this function, you can block certain programming inappropriate for children.

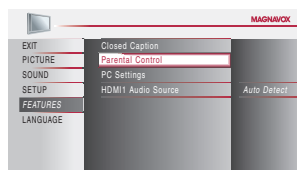
- 1 Press **[MENU]** to display the main menu.



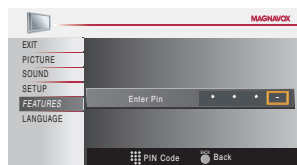
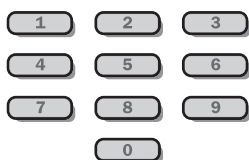
- 2 Use **[Cursor ▲/▼]** to select "FEATURES", then press **[OK]**.



- 3 Use **[Cursor ▲/▼]** to select "Parental Control", then press **[OK]**.

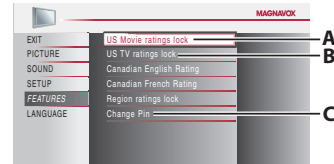


- 4 Use **[the Number buttons]** to enter the 4-digit numbers for your Pin number.



- When you have not set up your Pin number, enter 0000.
- When the Pin number is correct, the "Parental Control" menu is displayed.

See the following description for setting each item.



A..."US Movie ratings lock" → page 30

B..."US TV ratings lock" → page 30

C..."Change Pin" → page 31

Note:

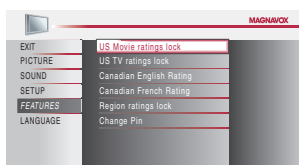
- When you select a rating and set it to "Block", the higher ratings will be blocked automatically. The lower ratings will be available for viewing.
 - When you set the highest rating to "View", all ratings turn to "View" automatically.
 - To block any inappropriate programming, set your limits in "US Movie ratings lock", "US TV ratings lock" and "Region ratings lock".
 - The Parental control setting will be retained after a power failure (except the access code reverts to 0000).
 - If the rating is blocked, will appear.
 - "Region ratings lock" will be available when the TV receives a digital broadcast using the new rating system.
 - If the broadcasting signal does not have the region ratings lock information, "Region ratings lock is currently not available." will appear.
- This message will also appear when you try to access "Region ratings lock" after you have cleared the region ratings lock information, and the new information has not been downloaded since.
- The Canadian rating systems on this TV are based on CEA-766-A and the Canadian Radio-Television and Telecommunications Commission (CRTC) policy.

OPTIONAL SETTING

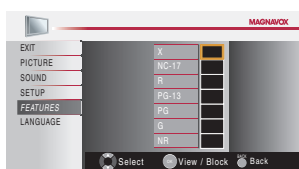
A. US Movie ratings lock

US Movie ratings lock is the rating system created by MPAA (Motion Picture Association of America).

- 5 Use [Cursor ▲/▼] to select "US Movie ratings lock", then press [OK].



- 6 Use [Cursor ▲/▼] to select the desired rating, then press [OK] repeatedly to switch between "View" and "Block".



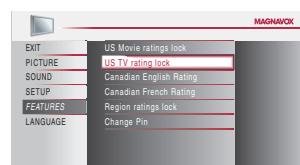
Rating	Category
X	Mature audience only
NC-17	No one under 17 admitted
R	Restricted; under 17 requires accompanying parent or adult guardian
PG-13	Unsuitable for children under 13
PG	Parental guidance suggested
G	General audience
NR	No rating

- 7 Press [MENU] to exit.

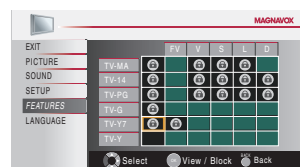
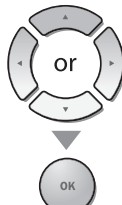


B. US TV ratings lock

- 5 Use [Cursor ▲/▼] to select "US TV ratings lock", then press [OK].



- 6 Use [Cursor ▲/▼/◀/▶] to select the desired rating, then press [OK] repeatedly to switch between "View" and "Block".



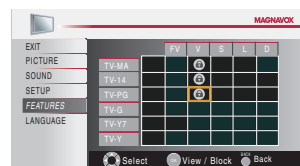
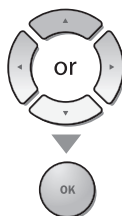
- 7 Press [MENU] to exit.



To Set the Sub Ratings

As for TV-MA, TV-14, TV-PG, or TV-Y7, you can further set the sub ratings to block specific elements of programming. To set the sub ratings, follow the step below.

Use [Cursor ▲/▼/◀/▶] to select the desired rating, then press [OK] repeatedly to switch between "View" and "Block".



C. Change PIN

Although the default code "0000" is supplied with the TV, you can set your own PIN cord.

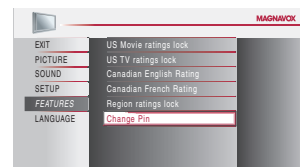
Rating	Category	
TV-MA	Mature audience only	higher ↑ ↓ lower
TV-14	Unsuitable for children under 14	
TV-PG	Parental guidance suggested	
TV-G	General audience	
TV-Y7	Appropriate for all children 7 and older	
TV-Y	Appropriate for all children	

Sub Rating	Category	Rating
FV	Fantasy Violence	TV-Y7
V	Violence	TV-PG
S	Sexual Situation	TV-14
L	Coarse Language	TV-MA
D	Suggestive Dialogue	TV-PG, TV-14

Note:

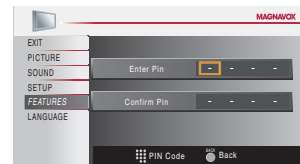
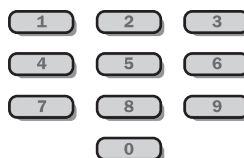
- Blocked sub rating will appear beside the main rating category in "US TV ratings lock" menu.
- You cannot block a sub rating (D, L, S or V) if the main rating is set to "View".
- Changing the category to "Block" or "View" automatically changes all its sub ratings to the same ("Block" or "View").

- 5 Use [Cursor ▲/▼] to select "Change Pin", then press [OK].



- 6 Press [the Number buttons] to enter the new 4-digit PIN.

- Enter PIN cord again in "Confirm Pin" entry field.



- 7 Press [MENU] to exit.



Note:

- Make sure new PIN cord and confirm PIN cord must be exactly the same. If they are different, the space is cleared for reentering.
- Your PIN cord will be erased and return to the default (0000) when a power failure occurs. If you forget the PIN cord, unplug the power cord for 10 seconds to restore the PIN cord to 0000.

OPTIONAL SETTING

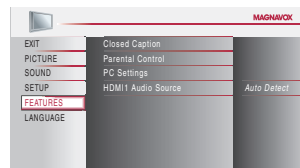
✓ PC Settings

This function lets you adjust the PC screen position, clock and phase during PC input.

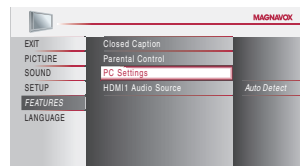
1 Press **[MENU]** to display the main menu.



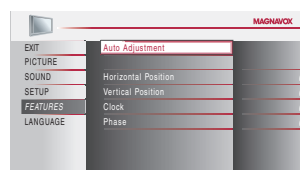
2 Use **[Cursor ▲/▼]** to select "FEATURES", then press **[OK]**.



3 Use **[Cursor ▲/▼]** to select "PC Settings", then press **[OK]**.



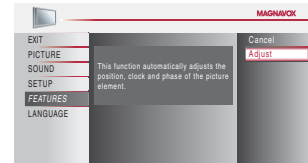
4 Use **[Cursor ▲/▼]** to select the setting you want to adjust, then press **[OK]**.



5 Adjust the setting.

Auto Adjustment

Use **[Cursor ▲/▼]** to select "Adjust", then press **[OK]**.



- The Horizontal/Vertical position, clock and phase of the PC screen are automatically adjusted.

Horizontal Position, Vertical Position

Use **[Cursor ◀/▶]** to adjust.

	Cursor ◀	Cursor ▶
Horizontal Position 	to move PC screen left	to move PC screen right
Vertical Position 	to move PC screen down	to move PC screen up

Clock, Phase

Use **[Cursor ◀/▶]** to adjust the "Clock" setting to stabilize the PC screen and the "Phase" setting to improve the clarity of the PC screen.

	Cursor ◀	Cursor ▶
Clock 	to decrease setting value	to increase setting value
Phase 		

6 Press **[MENU]** to exit.



Note:

- Adjust the "Phase" setting after the "Clock" setting has been properly adjusted.
- You may not obtain an appropriate screen with auto adjustment for some signals. In this case, adjust the settings manually.

✓ HDMI Audio

You can set the method of sound input for the HDMI1 input jack.

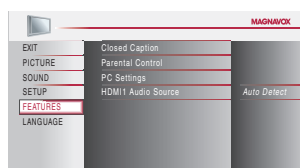
- 1 Press **[MENU]** to display the main menu.



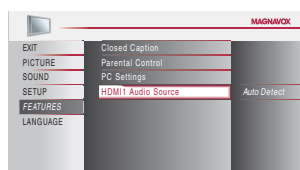
Note:

- Select "Auto Detect" or "DVI" if you have connected a DVI device to the HDMI1 input jack.

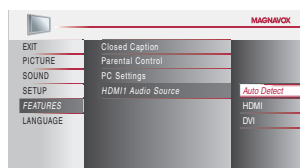
- 2 Use **[Cursor ▲/▼]** to select "FEATURES", then press **[OK]**.



- 3 Use **[Cursor ▲/▼]** to select "HDMI1 Audio Source", then press **[OK]**.



- 4 Use **[Cursor ▲/▼]** to select the desired sound input, then press **[OK]**.



HDMI1 Audio Source	Auto Detect	Select if you have connected both digital device to the HDMI1 input jack and analog device to the audio sources. Digital audio input signal will have priority.
	HDMI	Select if you have connected a digital device to the HDMI1 input jack for digital audio input signal.
	DVI	Select if you have connected an analog device to the analog audio jacks for analog audio input signal.

- 5 Press **[MENU]** to exit.



TROUBLESHOOTING

✓ Troubleshooting Guide

If the TV does not perform properly when operated as instructed in this User Manual, **check the following chart and all connections once before calling for service.**

	Symptom	Remedy
T V	No power	<ul style="list-style-type: none"> • Be sure the power cord is plugged in. • If a power failure occurs, unplug the power cord for 30 minutes to allow the TV to reset itself.
	No picture or sound	<ul style="list-style-type: none"> • Check if the power is on. • Check if the right input mode is selected. • View other TV channels. The problem might be limited to the broadcasting station. • Turn off the power and wait for about 1 minute, then turn on the TV again.
	No color	<ul style="list-style-type: none"> • View other TV channels. The problem might be limited to the broadcasting station. • Adjust the "Color" in the main menu.
	Sound OK, picture poor	<ul style="list-style-type: none"> • Electrical interference from nearby appliances may affect picture quality. • Adjust "Contrast" and "Brightness" in the main menu. • View other TV channels. The problem might be limited to the broadcasting station.
	Ghosts, lines or streaks in picture	<ul style="list-style-type: none"> • Electrical interference from nearby appliances may affect picture quality. • View other TV channels. The problem might be limited to the broadcasting station.
	Different color marks on TV screen	<ul style="list-style-type: none"> • Move your TV away from nearby electric appliances. Turn off the power and wait 30 minutes before turning it back on. • View other TV channels. The problem might be limited to the broadcasting station.
	Picture OK, sound poor	<ul style="list-style-type: none"> • View other TV channels. The problem might be limited to the broadcasting station. • Check if the audio cable is plugged in correctly.
C A P T I O N	Captions are displayed as a white box. No caption is displayed in the Closed Caption-supported program.	<ul style="list-style-type: none"> • Interference from buildings or weather conditions may cause captioning to be incomplete. • Broadcasting station may shorten the program to insert advertisement. The closed caption decoder cannot read the information of the shortened program.
	No caption is displayed when playing the discs or cassette tape containing captions.	<ul style="list-style-type: none"> • The disc or cassette tape may be illegally copied, or the caption signal might not have been read during copying.
	Black box is displayed in the screen.	<ul style="list-style-type: none"> • The text mode is selected for caption. Select "CC-1", "CC-2", "CC-3", "CC-4" or "Off".

Note:

- The LCD panel is manufactured to provide many years of useful life. Occasionally a few non active pixels may appear as a fixed point of blue, green or red. This is not to be considered a defect in the LCD screen.
- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this user manual for more details on correct operations.

✓ FAQ

Question	Answer
My remote control does not work. What should I do?	<ul style="list-style-type: none"> • Check the antenna or cable connection to the main TV. • Check the batteries of the remote control. • Check if there is an obstacle between the infrared sensor window and the remote control. • Test the signal output. If OK, then possible infrared sensor trouble. (Refer to "IR Signal Check" on page 36.) • Aim the remote control directly at the infrared sensor window on the front of the TV. • Reduce the distance to the TV. • Re-insert the batteries with their polarities (+/- signs) as indicated. • When there is an infrared-equipped device such as PC near this TV, it may interrupt the remote control signal of this TV. • Move the infrared-equipped device away from this TV, change the angle of the infrared sensor or turn off the infrared communication function.
How come the Initial setup appears every time I turn on this TV?	<ul style="list-style-type: none"> • Connect the RF cable to the TV directly and run the initial setup. • Make sure to complete the channel scan before turning off the TV.
Why I cannot watch some of TV programs?	<ul style="list-style-type: none"> • Make sure autoprogram has been completed. (Refer to "Autoprogram" on page 15.) • Autoprogram must be completed when you set up the TV for the first time or move it to a location where previously unavailable channels are broadcast. • The selected channel may not be broadcasting. • When autoprogram is interrupted and not completed, some channels will not be received. Make sure to complete. (Refer to "Autoprogram" on page 15.) • The selected channel cannot be viewed by the Parental control setting. (Refer to "Parental Control" on page 29.) • The TV requires some kind of antenna input. An indoor antenna (rabbit ears), an external antenna, or an RF coaxial cable from your wall or cable receiver /satellite box needs to be plugged into the TV.
How come there is no image from the connected external devices?	<ul style="list-style-type: none"> • Check if the right input mode is selected by pressing [SOURCE] or using [CH. + / -]. (Refer to "Switching Each Input Mode" on page 18.) • Check the antenna or cable connection to the TV.
Whenever I entered channel number, it changes automatically.	<ul style="list-style-type: none"> • Many digital channels have alternate channel numbers. The TV changes the numbers automatically to the ones signifying the broadcasting stations. These are the numbers used for analog broadcasts.
Why are captions not displayed entirely? Or, captions are delayed behind the dialogue.	<ul style="list-style-type: none"> • Captions that are delayed a few seconds behind the actual dialogue are common for live broadcasts. Most captioning production companies can display a dialogue to maximum of 220 words per minute. If a dialogue exceeds that rate, selective editing is used to insure that the captions remain up-to date with the current TV screen dialogue.
How can I set the clock ?	<ul style="list-style-type: none"> • There is no clock function on this TV.

✓ Glossary

ATSC

Acronym that stands for Advanced Television Systems Committee and the name of the digital broadcasting standards.

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 its height).

Component Video

This is a video signal format that conveys each of 3 principal colors of light (red, blue and green) through different signal lines. This allows the viewers to experience picture colors as original as it is. There are several signal formats, including Y / Pb / Pr and Y / Cb / Cr.

Dolby Digital

The system developed by Dolby Laboratories to compress digital sound. It offers stereo sound (2ch) or multi-channel audio.

HDMI (high-definition multimedia interface)

Interface that supports all uncompressed, digital audio/video formats including set-top box, DVD player or digital television, over a single cable.

HDTV (high definition TV)

Ultimate digital format that produces high resolution and high picture quality.

NTSC

Acronym that stands for National Television Systems Committee and the name of the current analog broadcasting standards.

Pin

A stored 4-digit number that allows access to parental control features.

SAP (secondary audio program)

Second-audio channel delivered separately from main-audio channel. This audio channel is used as an alternate in bilingual broadcasting.

SDTV (standard definition TV)

Standard digital format that is similar to the NTSC picture quality.

S-video

Offers higher quality images by delivering each signal, color (c) and luminance (y) independently of each other through separate cables.

✓ Maintenance

Cabinet Cleaning

- Wipe the front panel and other exterior surfaces of the TV with a soft cloth immersed in lukewarm water and wrung dry.
- Never use a solvent or alcohol. Do not spray insecticide liquid near the TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

Panel Cleaning

Wipe the panel of the TV with a soft cloth. Before cleaning the panel, disconnect the power cord.

Servicing

Should your TV become inoperative, do not try to correct the problem yourself. There are no user serviceable parts inside. Turn off the TV, unplug the power cord and call our toll free customer support line found on the cover of this manual to locate an authorized service center.

IR Signal Check

If the remote control is not working properly, you can use an AM radio or digital camera (including a cellular phone with built-in camera) to see if it is sending out an infrared signal.

• With an AM radio:

Tune the AM radio station to a non-broadcasting frequency. Point the remote control towards it, push any button and listen. If the sound from the radio flutters, it is receiving the remote control's infrared signal.



• With a digital camera (including built-in cell phone cameras):

Point a digital camera towards the remote control. Push any button on the remote control and look through the digital camera. If the infrared light appears through the camera, the remote control is working.



Specifications

PICTURE/ DISPLAY Aspect ratio Picture Enhancement	Widescreen Progressive Scan, 3D comb filter, Smart Picture (4 modes): Nature, Rich, Movie, Soft
SOUND Output Power (RMS) Sound Enhancement Sound Mode	2x10W Mono, Stereo Treble, Bass
CONVENIENCE	Auto Program, Closed Captioning Full Text, Sleep timer
ON SCREEN DISPLAY LANGUAGE	English, French, Spanish
CONNECTIVITY Rear	75Ω / RF COMPONENT 1-Component Video (YPbPr), Audio L/R input COMPONENT 2-Component Video (YPbPr), Audio L/R input VIDEO 1-Composite Video (Video In), S-Video, Audio L/R input Coaxial digital audio output (Digital Only) PC- VGA, Audio HDMI 1, HDMI 2
Side	VIDEO 2-Composite Video (Video In), S-Video, Audio L/R input
WEIGHT & DIMENSIONS Weight (incl. Packaging): Weight (excl. Packaging): Carton Dimension (WxHxD): Product Dimension (WxHxD):	13.9 kg / 30.7 lbs 11 kg / 24.3 lbs 904 x 665 x 228 mm 35.6" x 26.2" x 9.0" 776 x 562 x 272 mm 30.56" x 22.13" x 10.71"
POWER Power Consumption: Standby Power Consumption: Mains Power:	155W (Maximum) <1W 120V, 60Hz

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

WARRANTY COVERAGE:

MAGNAVOX warranty obligation is limited to the terms set forth below.

WHO IS COVERED:

Magnavox warrants the product 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:

The Magnavox warranty covers new products if a defect in material or workmanship occurs and a valid claim is received by Magnavox within the Warranty Period. At its option, Magnavox will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a product that is new or which has been manufactured from new, or serviceable used parts and is at least functionally equivalent or most comparable to the original product in Magnavox current inventory, or (3) refund the original purchase price of the product.

Magnavox warrants replacement products or parts provided under this warranty 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 Magnavox property. When a refund is given, your product becomes Magnavox 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 the new products manufactured by or for Magnavox that can be identified by the trademark, trade name, or logo affixed to it. This Limited Warranty does not apply to any non-Magnavox hardware product or any software, even if packaged or sold with the product. Non-Magnavox manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the bundled product.

Magnavox 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 any non-Magnavox 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-Magnavox product, (b) to damage caused by service performed by any-

one other than Magnavox or Magnavox Authorized Service Location, (c) to a product or a part that has been modified without the written permission of Magnavox, or (d) if any Magnavox serial number has been removed or defaced, or (e) product, accessories or consumables sold "AS IS" without warranty of any kind by including refurbished Magnavox product sold "AS IS" by some retailers.

This Limited Warranty does not cover:

- Shipping charges to return defective product to Magnavox.
- 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 Magnavox.
- 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 to Magnavox.
- 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 IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Contact Magnavox Customer Care Center at:
1-800-705-2000

TO OBTAIN ASSISTANCE IN CANADA...

1-800-661-6162 (French Speaking)
1-800-705-2000 (English or Spanish Speaking)

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. MAGNAVOX SHALL NOT BE 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.

Magnavox, P.O. Box 671539, Marietta, Ga. 30006-0026

(Warranty: 3121 233 48932)