User Manual
Manuel de l'utilisateur
Guía del usuario

MAGNAVOX
S M A R T. V E R Y S M A R T.

22MF339B
19MF339B
LCD TV

STOP!

Thank you for choosing 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/support
or call
1-866-341-3738
while with your product
(and Model / Serial number)

ARRÊT!

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, vous pouvez accéder à notre aide en ligne à l'adresse
www.magnavox.com/support
ou formez le
1-866-341-3738
Veillez à avoir votre produit à portée de main
(et model / serial nombre)

ALTO!

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 asistencia en línea en
www.magnavox.com/support
o llame al teléfono
1-866-341-3738
y tenga a mano el producto
(y número de model / serial)

HDTV
HIGH-DEFINITION TELEVISION

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

DOLBY
DIGITAL

| MODEL NUMBER | SERIAL NUMBER |

ENERGY STAR

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/support

Know these **safety** symbols

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.

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. _____

MAGNAVOX   *Visit our World Wide Web Site at www.magnavox.com/support*
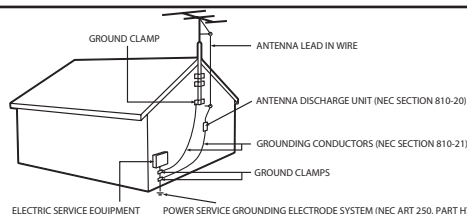
IMPORTANT SAFETY INSTRUCTIONS

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

GROUND CLAMP

ANTENNA LEAD IN WIRE

ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)

GROUNDING CONDUCTORS (NEC SECTION 810-21)

GROUND CLAMPS

ELECTRIC SERVICE EQUIPMENT

POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

☑ **Precaution**

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

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 2.8 inches (7cm) 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 AC power cord with wet hands.
• 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.
• Do not pull on the AC power cord when disconnecting it from an AC outlet. Grasp it by the plug.
• Do not put your fingers or objects into the unit.

LOCATION AND HANDLING
• The openings should not be blocked by placing the unit on a bed, sofa, carpet, rug, or other similar surface.
• Do not install the unit near or over a radiator or heat register.
• Do not install the unit in direct sunlight, near strong magnetic fields, or in a place subject to dust or strong vibration.
• Avoid a place with drastic temperature changes.
• Install the unit in a horizontal and stable position. Do not place anything directly on top or bottom of the unit. Depending on your external devices, noise or disturbance of the picture and/or sound may be generated if the unit is placed too close to them. In this case, please ensure enough space between the external devices and the unit.
• Depending on the environment, the temperature of this unit may increase slightly. This is not a malfunction.

NOTE ABOUT RECYCLING
• This unit'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.

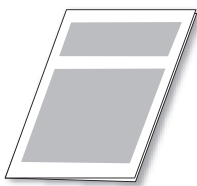# ☑ **Trademark Information**

• HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
• Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
• Products that have earned ENERGY STAR® are designed to protect the environment through superior energy efficiency.

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ **Supplied Accessories**

user manual
(1EMN24239)

quick start guide
(1EMN24541)

remote control
(NF802UD)

batteries
(AAA x 2)

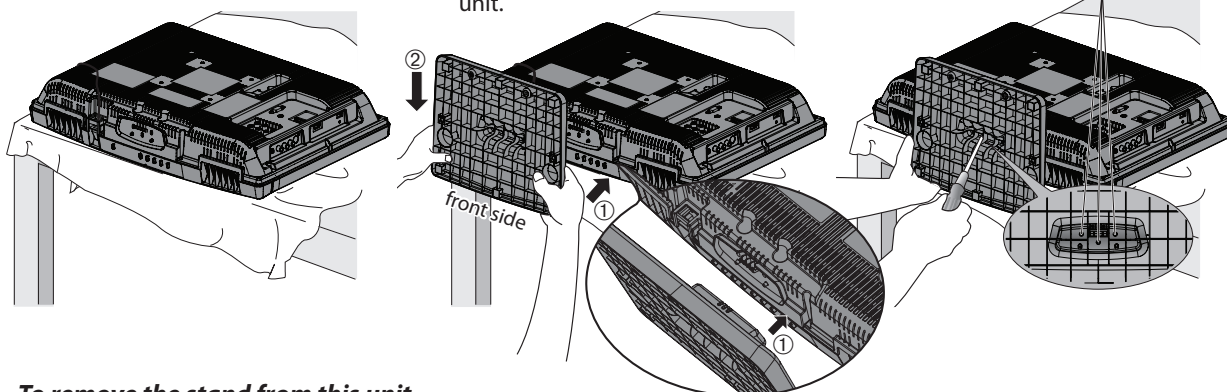Phillips pan screw for
attaching the stand x 3
(FPH34120)

- 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.

☑ **Attaching the Stand**

You must attach the stand to the unit 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 main unit face down onto it.

2 Hang the hook under the bottom of the main unit to the stand's hole (shown arrow ①), then slide down the stand in the direction of the screen (shown arrow ②).
Make sure not to put the AC power cord between the stand and the unit.

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

③screw holes

front side

To remove the stand from this unit

Unscrew the Phillips pan screws indicated by "③". Pull up the stand in the direction of the rear of the unit. Be careful not to drop the stand when you remove it.

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

TV : Analog TV operation

DTV : Digital TV operation

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

☑ 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 unit automatically scans and memorizes channels available in your area, eliminating difficult setup procedures.
- **Child Lock**
  - 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 unit will turn off automatically.
- **Sleep Timer**
  - This feature will automatically turn off the power of the unit 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 number buttons on the remote control.
- **Various Adjustment for Picture and Sound**
  - Customizes image quality to suitable for your room, and set the sound as your preference.
- **HDMI Input**
- **Component Video Input**
- **PC Input**
- **S-video Input**
- **AV Input**
- **Digital Audio Output**

☑ Contents

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ Control Panel

1. ⏻ **POWER** (p. 14)
    Press to turn the unit on and off.
2. **CHANNEL + / −** (p. 15 / p. 16)
    Press to select channels or move up (**+**) / down (**−**) through the main menu items.
3. **MENU** (p. 19)
    Press to display the main menu.
4. **VOLUME + / −** (p. 15)
    Press to adjust the volume or move right (**+**) / left (**−**) through the main menu items.
5. **STAND BY indicator**
    Lights up red when power is off.
6. **POWER ON indicator**
    Lights up green when power is on.
7. **infrared sensor window**
    Receives infrared rays transmitted from the remote control.

☑ Rear Panel
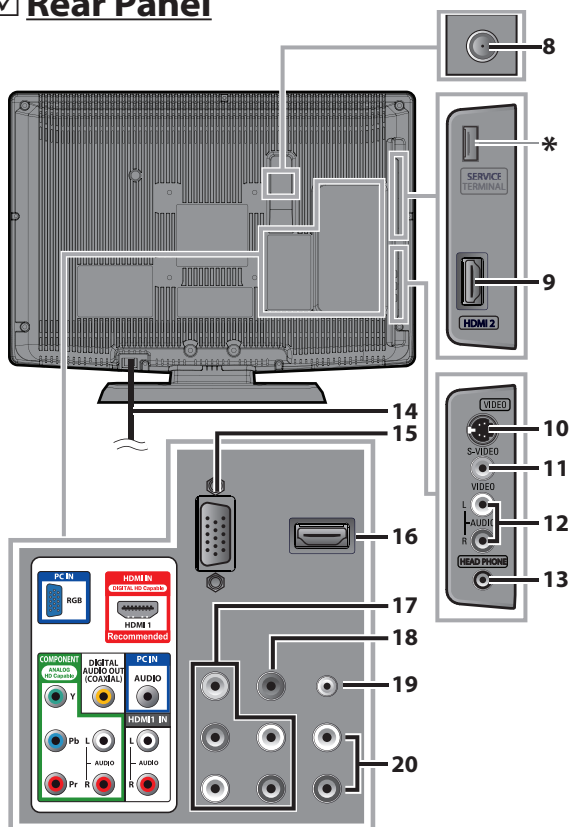
8. **antenna input jack** (p. 9)
    RF coaxial cable connection for your antenna or cable TV signal.
9. **HDMI 2 input jack** (p. 9 / p. 10)
    HDMI connection for HDMI device.
10. **S-video input jack** (p. 11)
    S-video cable connection for an external device.
11. **video input jack** (p. 12)
    RCA video cable connection for an external device.
12. **audio input jack** (p. 9 / p. 10 / p. 11 / p. 12)
    RCA audio cable connection for an external device.
13. **headphone jack**
    Headphone connection for personal listening.
14. **AC power cord** (p. 13)
    Connect to a standard AC outlet to supply power to this unit.
15. **PC input jack** (p. 13)
    VGA cable connection for PC.
16. **HDMI 1 input jack** (p. 9 / p. 10)
    HDMI connection for HDMI or DVI device.
17. **component video and audio input jack** (p. 9 / p. 11)
    RCA component video cable and RCA audio cable connection for an external device.
18. **digital audio output jack** (p. 12)
    Coaxial digital cable connection for a decoder or an audio receiver.
19. **audio input jack for PC connection** (p. 13)
    Mini-plug audio cable connection for PC.
20. **audio input jack for HDMI 1** (p. 10)
    RCA audio cable connection for a DVI device. (For HDMI 1 input jack only)

Note:

✱ **service terminal (service use only)**
Use this terminal only when a software update is necessary. Do not connect any device to this terminal such as; digital camera, keyboard, mouse, etc. For more information, please visit at *www.magnavox.com/support*

☑ **Remote Control Function**

1. ⏻ (power) (p. 14)
Press to turn the unit on and off.
2. **SOURCE** (p. 16)
Press to access connected external devices like a BD/DVD recorder.
3. **FREEZE** (p. 16)
Press to pause screen image.
4. ◄ / ► / ▲ / ▼ (p. 14)
Press to move left / right / up / down through the items.
5. **OK** (p. 14)
Press to decide the command of setting when the main menu is displayed.
6. **BACK** (p. 17)
Press to return to the previous menu operation.
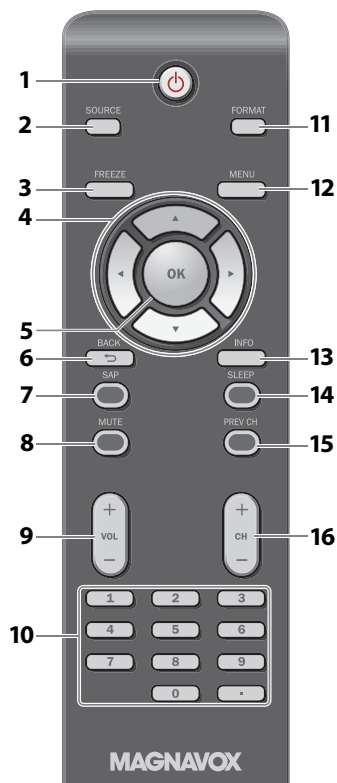
7. **SAP** (p. 16)
Digital mode (DTV)
• Press to select the audio language.
Analog mode (TV)
• Press to select the audio mode.
8. **MUTE** (p. 15)
Press to turn the sound on and off.
9. **VOL + / −** (p. 15)
Press to adjust the volume.
10. **Number buttons** (p. 15)
Press to select channels.
• (dot)
• Press to shift the subchannel from the main channel.
11. **FORMAT** (p. 18)
Press to select aspect ratio available for the TV screen.
12. **MENU** (p. 19)
Press to display the main menu.
13. **INFO** (p. 17)
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** (p. 15)
Press to activate the sleep timer.
15. **PREV CH** (p. 15)
Press to return to the previous channel.
16. **CH + / −** (p. 15 / p. 16)
Press to select channels and the external input modes.

When using a universal remote control to operate this unit.

• Make sure the component code on your universal remote control is set to our brand.
Refer to the manual accompanying your remote control for more details.

☑ **Installing the Batteries**

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

INTRODUCTION
PREPARATION
WATCHING TV
OPTIONAL SETTING
TROUBLESHOOTING
INFORMATION

PREPARATION

No supplied cables are used in this connection:

Please purchase the necessary cables at your local store.
High Speed HDMI cable (also known as HDMI category 2 cable) is recommended for the better compatibility.

Before you connect...
Be sure your antenna or other device is connected properly before plugging in the AC power cord.

☑ Antenna Connection

Connect the RF coaxial cable on your home outlet to the antenna input jack of this unit.
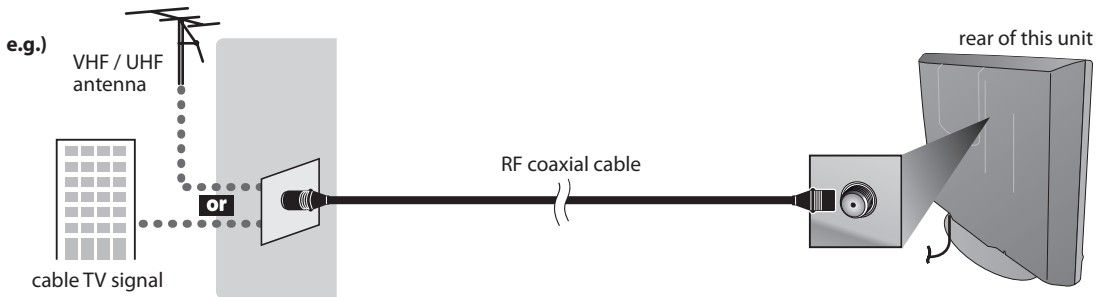
* Once connections are completed, turn on the unit and begin initial setup. Channel scanning is necessary for the unit to memorize all available channels in your area. (Refer to "Initial Setup" on page 14.)

Note:
- *If you have any question about the DTV's antenna, visit www.antennaweb.org for further information.*
- *Depending on your antenna system, you may need different types of combiners (mixers) or separators (splitters). Contact your local electronics store for these items.*
- *For your safety and to avoid damage to this unit, please unplug the RF coaxial cable from the antenna input jack before moving the unit.*
- *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 or Satellite Box

Use an HDMI or an RCA component video cable to connect the HDMI or the component video input jack of the unit to the HDMI or the component video output jack of the cable receiver / satellite box.
If you connect to the unit's COMPONENT video input jack, connect an RCA audio cable to the audio L/R jack of COMPONENT accordingly.
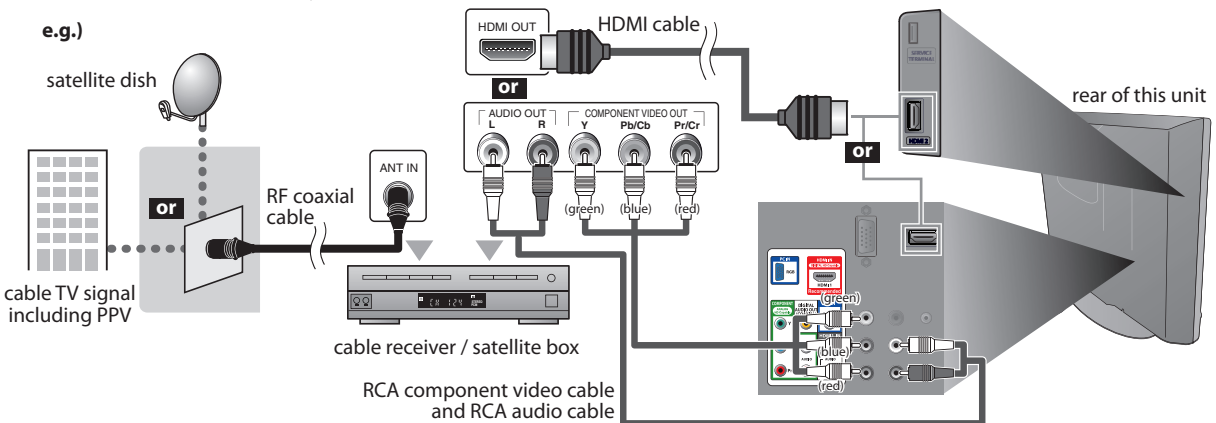
* You can also connect this unit to the cable receiver or satellite box other than the HDMI or the component video output jack because they might have different output jacks.
* Required cables and connecting methods of the cable receiver / satellite box, or the availability channel for the clear QAM may differ depending on the cable / satellite provider. For more information, please contact your cable / satellite provider.

No supplied cables are used in this connection:

Please purchase the necessary cables at your local store.
High Speed HDMI cable (also known as HDMI category 2 cable) is recommended for the better compatibility.

☑ External Device Connection

[HDMI Connection]

HDMI connection offers the highest picture quality.
HDMI (High-Definition Multimedia Interface) transports high definition video and multi-channel digital audio through a single cable.

e.g.)

HDMI cable

rear of this unit

HDMI OUT

BD/DVD recorder
with the HDMI output jack

or
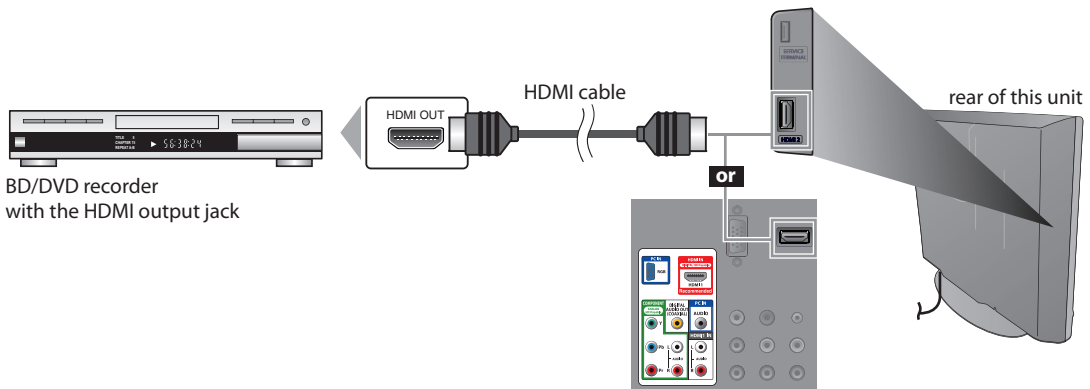
Note:

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

[HDMI-DVI Connection]

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

e.g.)

rear of this unit

DVI OUT

HDMI-DVI conversion cable

To HDMI1
input jack only

AUDIO OUT
L   R

cable receiver or satellite box
with the DVI output jack
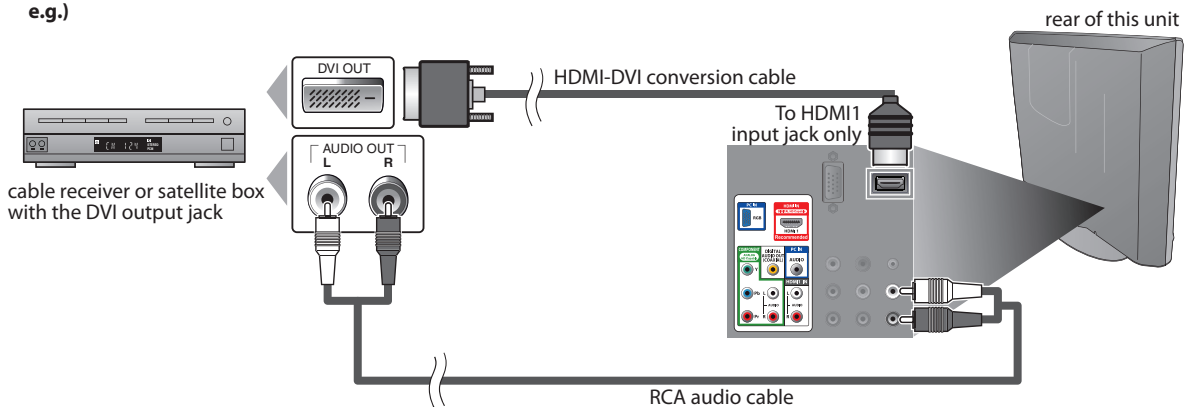
RCA audio cable

Note:

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

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

No supplied cables are used in this connection:

Please purchase the necessary cables at your local store.

[Component Video Connection]

RCA component video connection offers better picture quality for video devices connected to the unit.
If you connect to the unit's COMPONENT video input jack, connect an RCA audio cable to the audio L/R jack of COMPONENT accordingly.

e.g.)

rear of this unit

(green) (blue) (red)

Y   Pb/Cb   Pr/Cr
COMPONENT VIDEO OUT

AUDIO OUT
L   R

BD/DVD recorder with
the component video output jack

RCA component
video cable
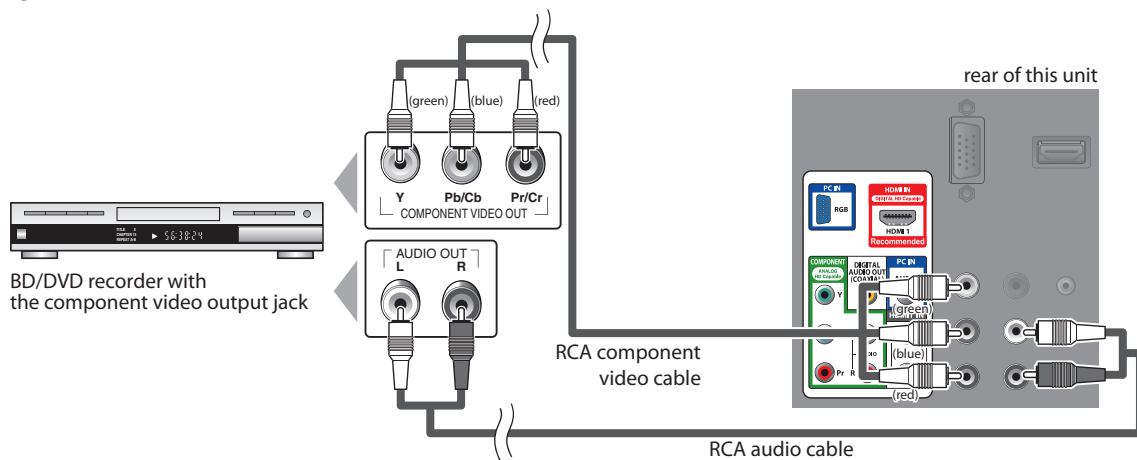
RCA audio cable

Note:
• *This unit accepts 480i / 480p / 720p / 1080i video signals.*

[S-video Connection]

S-video connection offers good picture quality for video devices connected to the unit.
If you connect to the unit's S-video input jack, connect an RCA audio cable to the audio L/R jack of VIDEO accordingly.

e.g.)
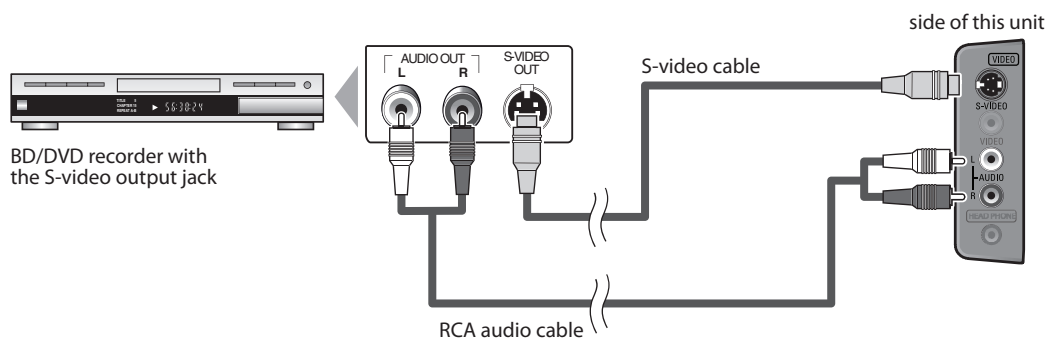
side of this unit

AUDIO OUT   S-VIDEO
L   R   OUT

S-video cable

BD/DVD recorder with
the S-video output jack

RCA audio cable

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.*

No supplied cables are used in this connection:
Please purchase the necessary cables at your local store.

[Video Connection]

RCA video connection offers standard picture quality for video devices connected to the unit.
If you connect to the unit's video input jack, connect an RCA audio cable to the audio L/R jack of VIDEO accordingly.
When the audio jack of the video device is monaural, connect an RCA audio cable to the audio L input jack.

e.g.)
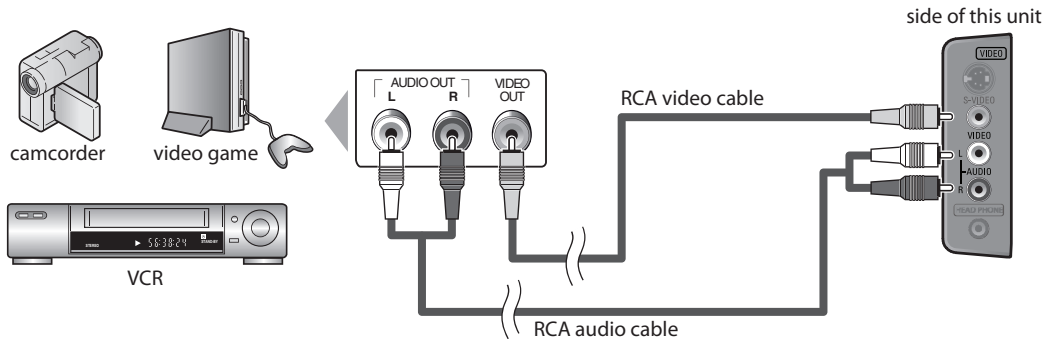
side of this unit

camcorder   video game

VCR

AUDIO OUT
L   R

VIDEO OUT

RCA video cable

RCA audio cable

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 (for digital broadcasting only)]

If you connect this unit 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 unit to external digital audio devices.

e.g.)
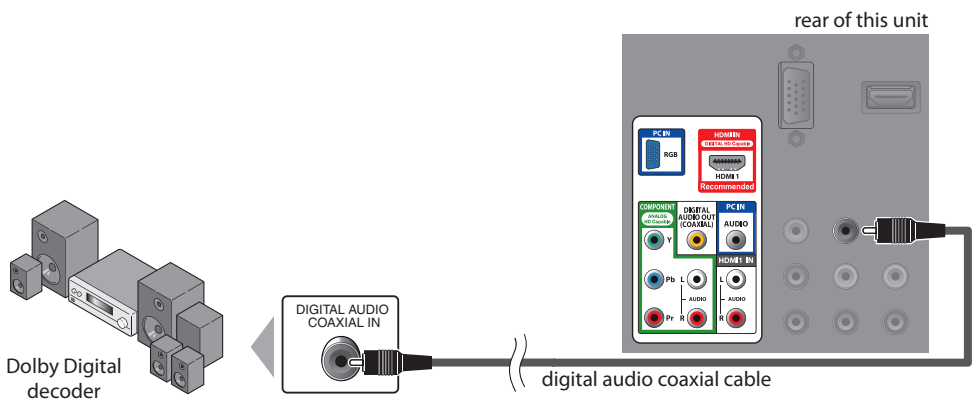
rear of this unit

Dolby Digital decoder

DIGITAL AUDIO COAXIAL IN

digital audio coaxial cable

INTRODUCTION
PREPARATION
WATCHING TV
OPTIONAL SETTING
TROUBLESHOOTING
INFORMATION

Please purchase the necessary cables at your local store.

[PC Connection]

This unit is equipped with a PC input jack. If you connect this unit to your PC, you can use this unit as a PC monitor. Use an VGA cable for this connection and it requires stereo mini plug audio cable as well.

e.g.)

rear of this unit

VGA cable should be with ferrite core.

VGA cable

personal computer

stereo mini-plug audio cable
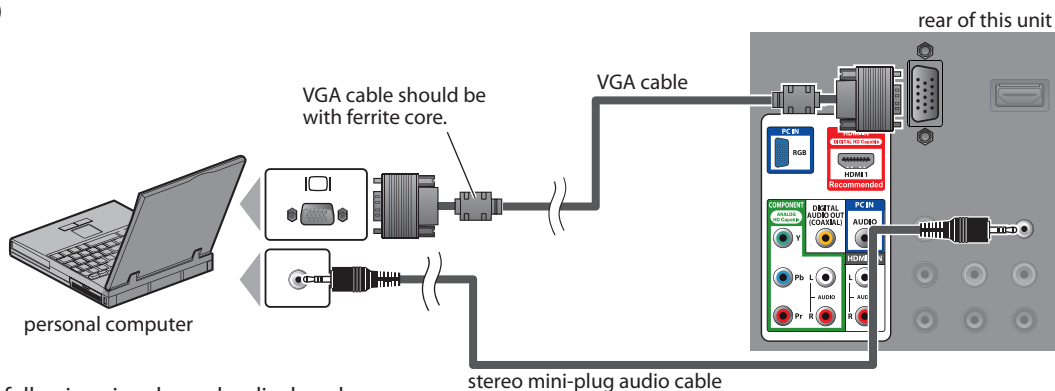
The following signals can be displayed:

Format	Resolution	Refresh rate
VGA	640 x 480	60Hz
SVGA	800 x 600	60Hz
XGA	1,024 x 768	60Hz

Format	Resolution	Refresh rate
WXGA	1,280 x 768	60Hz
	1,360 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.*

☑ Plug In the AC Power Cord

Make sure that the AC power cord must be plugged to an AC outlet after all the necessary connection is completed.

rear of this unit

AC power cord

AC outlet

Caution:
• Do not connect the AC power cord to a power supply outside the indicated voltage of this unit (AC 120V).
* Connecting the AC power cord to a power supply outside of this range may result in fire or electrical shocks.*

Note:
• Each time you plugged in the AC power cord, any operations will not be performed for a few seconds. This is not a malfunction.

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

☑ **Initial Setup**

This section will guide you through the unit'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 unit is connected to antenna or cables.

1 After making all the necessary connections, press **[⏻ (power)]** to turn on the unit.

- 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)

or

```
Initial Setup
Select the language for setup display.          English
Elija el idioma de ajuste.                      Español
Sélectionner langue écran config.               Français

   Select        OK        Skip
```

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

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

or

```
Initial Setup
Make sure the antenna is connected to "ANT. IN" jack.    Antenna
Select your signal source.                               Cable
                                                         Skip

Antenna
Cable       Or
                      ANT.IN

   Select    OK    Back    Skip
```

- "Autoprogram" will begin.

```
Initial Setup
Now the system is scanning for channels, please wait.
Auto programming will take up to 20 minutes to complete.

0%

Analog channels          0ch
Digital channels         0ch

                         Skip
```
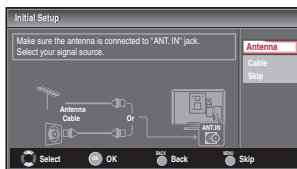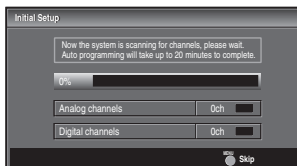
4 Use **[Cursor ◄/►]** to select the desired location setting, then press **[OK]**.

or

```
Initial Setup
Select "Retail" or "Home" for your location.

              Retail          Home

   Select              OK
```
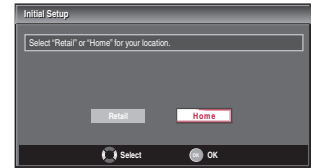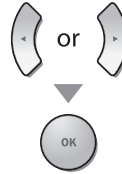
- Select "Retail", the unit will be set up with predefined setting for retail displays. In this setting, the power consumption may possibly exceed the limited requirement of the ENERGY STAR® qualification.
- Select "Home", the unit is set to maximize the energy efficiency for home setting and it can be adjusted through a choice of picture and sound quality according to your preference.
- When the initial setup is completed, the lowest memorized channel with the confirmation message of the location setting will be displayed on the TV screen.

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 "Antenna" or "Cable" only once. When you change the connection (Antenna / Cable), set autoprogram again. (Refer to page 19.)*
- *If there is no signal input from the antenna terminal and no operation for several seconds after you turn on the unit, "Helpful Hints" appears. Follow the instructions listed on the TV screen.*

```
Initial Setup
No channel is registered.                       Retry
Try Autoprogram again?                          Later
Verify that you have a cable connected to the "ANT. IN" jack on the
back of the TV, the channel installation process searches this
connection. If you are using a cable or satellite box, please confirm
the input which you have connected the box and press "SOURCE"
key on the remote control to select the appropriate source input.

   Select        OK        Skip
```

- *You must set "Home" in step 4. Otherwise, the settings of picture and sound quality you adjusted will not be memorized after you turn off the unit.*

After an initial setup is completed...

- If you want to scan the channels automatically again, refer to "Autoprogram" on page 19.
- You can add the desired channels unmemorized by "Autoprogram". Refer to "Add Channels" on page 20.
- If you want to change the other language from the one you chose, refer to "Language Selection" on page 21.
- If you want to change the mode for location setting, refer to "Location" on page 32.

WATCHING TV

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ Channel Selection

Select channels by using [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 11

`1` ➔ `1` ➔ `OK`

`DTV`

- When selecting digital channel 11.1
  Be sure to press **[•]** before entering the subchannel number.

`1` ➔ `1` ➔ `•` ➔ `1` ➔ `OK`

- 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. Not all digital TV broadcasts are high definition (HD). To confirm whether your watching TV program is in HD, refer to the program guide, contact your cable / satellite provider or local TV stations.

NTSC (analog mode)	Air time	ATSC (digital mode)		
CH4 (Soccer)	18:00	**CH4-1** (Soccer) main channel		
CH4 (Soccer)	18:30	**CH4-1** (Soccer) main channel	**CH4-2** (News) NEWS subchannel	**CH4-3** (Tennis) subchannel
CH4 (Soccer)	19:00	**CH4-1** (Soccer) main channel		
CH4 (Soccer)	19:30	**CH4-1** (Soccer) main channel	**CH4-2** (News) NEWS subchannel	
	20:00			

⟷ can be changed by using **[CH + / −]**.
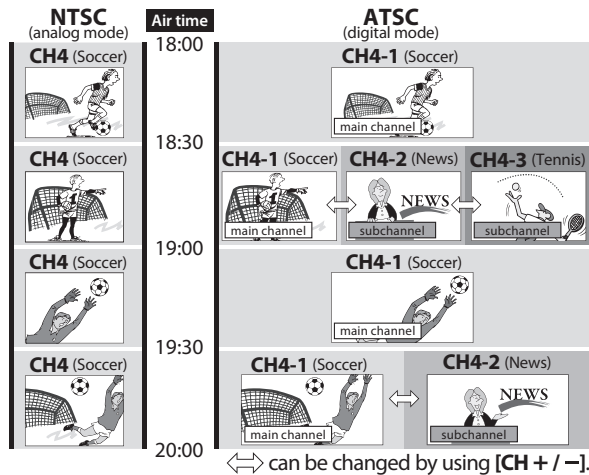
What is the subchannel?

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 main channel since digital broadcasting technology distinguishes between multiple channels broadcast by a single network.

Note:
- *"No Signal" will appear on the TV screen after the subchannel 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.

+
VOL
−

🔊 Volume   30

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

🔇 Mute

"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 unit after an incremental period of time.

1 Press **[SLEEP]** to set the sleep timer.

SLEEP

⏲ Sleep   Off

Sleep timer display appears on the TV screen.

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

SLEEP

⏲ Sleep   120min.

You can set your unit 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 unit from the AC outlet or when a power failure occurs, the sleep timer setting will be canceled.*

☑ Still Mode

You can pause the image shown on the TV screen.

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

FREEZE

❚❚ FREEZE

- 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 unit.

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

SOURCE

or

CH
+
−

DTV/TV channel

Video
↓
Component
↓
HDMI1
↓
HDMI2
↓
PC
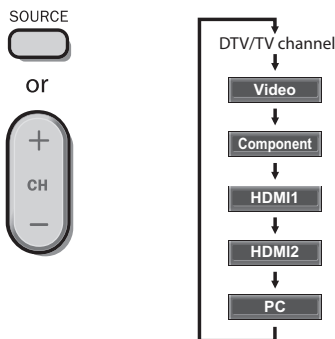
- Pressing **[CH −]** reverses the direction of the input modes.

☑ 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

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

SAP

11
SAP / STEREO

When all audio are available

SAP / STEREO → **SAP / MONO**
↑ **SAP / STEREO** ←

When stereo and monaural audio are available

MONO / STEREO ↔ **MONO / STEREO**

When SAP and monaural audio are available

SAP / MONO ↔ **SAP / MONO**

When only monaural audio is available

MONO
(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.

SAP

11.1
English 1/3

---

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

SAP

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

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ TV 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]**.

INFO

11
SAP / STEREO
480i SD 4:3
🔒 TV-PG DLSV CC

- 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.

INFO

Broadcasting information

The following information is displayed.

1   2   3   4

A Day of Memories | KABC | **11.1**
A quarter-century ago,which may now qualify as the good old days of newspapering,run-of-paper sales accounted for 80 percent of the industry's advertising revenues.Department stores and supermarket were | English 1/2 — **5**
1080i HD 16:9 — **6, 7, 8**
Rating CC
TV: TV-14
— **9**
— **10**
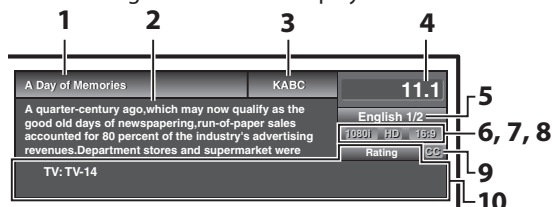
- **1** program title
- **2** program guide
  (The program guide added to broadcasting information is displayed to a maximum of 4 lines.)
- **3** broadcast station
- **4** channel number
- **5** audio language
  (Refer to "Switching Audio Mode" on page 16.)
- **6** effective scanning lines and scan mode
- **7** digital TV format
- **8** program aspect ratio
- **9** CC (not available if closed caption is set to "Off")
- **10** child lock rating

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 VIDEO input jack.*

Video
480i SD
🔒 TV-PG DLSV CC

- *The information display will automatically disappear in 1 minute.*

☑ 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.

FORMAT

For 4:3 video signal

Normal   16:9   Movie Expand   Wide
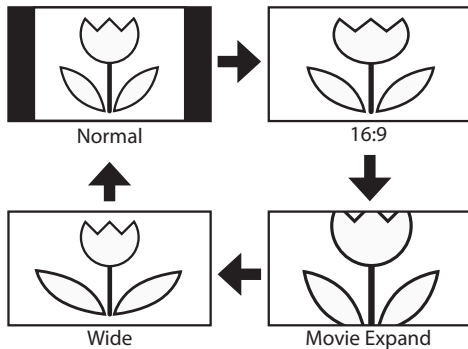
Normal
Display a 4:3 picture at its original size. Sidebars appear on both edges of the screen.

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   Zoom   Wide   Movie Expand
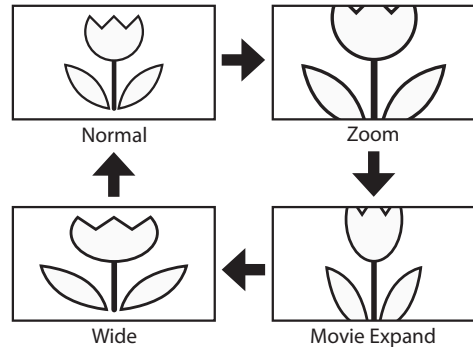
Normal
Display a 16:9 picture at its original size.

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

Normal   Full   Dot By Dot
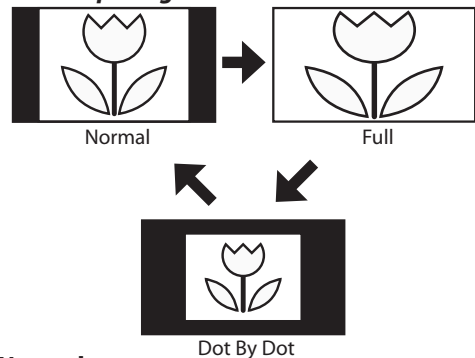
Normal
Display a proportionately stretched picture. Sidebars appear on both edges of the screen.

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

Dot By Dot
Display a picture in its original size.

OPTIONAL SETTING

☑ **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]**.

MENU

		MAGNAVOX
PICTURE	Smart Picture	*Personal*
SOUND	Brightness	*30*
SETUP	Contrast	*60*
FEATURES	Color	*36*
LANGUAGE	Tint	*0*
	Sharpness	*0*
	Color Temperature	*Normal*

PICTURE

You can adjust the picture quality.
(Refer to "Picture Adjustment" on page 22.)

SOUND

You can adjust the sound quality.
(Refer to "Sound Adjustment" on page 23.)

SETUP

- You can automatically scan the viewable channels.
  (Refer to "Autoprogram" on page 19.)
- You can skip the undesired channels when selecting the channels using **[CH + / −]**.
  (Refer to "Channel List" on page 20.)
- You can add the channels that were not scanned by the autoprogram.
  (Refer to "Add Channels" on page 20.)

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 24.)
- You can set the viewing limitations.
  (Refer to "Child Lock" on page 27.)
- You can adjust the position, stability and clarity of the PC screen.
  (Refer to "PC Settings" on page 30.)
- You can select the energy saving mode.
  (Refer to "Energy Saving Mode" on page 31.)
- When you adjust the desired "PICTURE" and "SOUND" mode, you must switch the setting from "Retail" to "Home". (Refer to "Location" on page 32.)
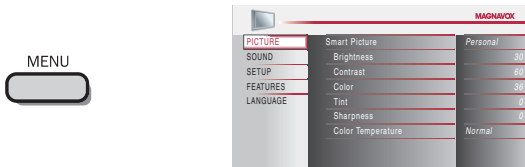- You can confirm the version of the software currently used in this unit.
  (Refer to "Current Software Info" on page 32.)

LANGUAGE

You can change the language (English, Spanish, French) displayed on the main menu.
(Refer to "Language Selection" on page 21.)

☑ **Autoprogram**

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

Before you begin: **Make sure if the unit is connected to antenna or cables.**

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

MENU

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

or

OK

		MAGNAVOX
PICTURE	Autoprogram	
SOUND	Channel List	
SETUP	Add Channels	
FEATURES	Antenna	
LANGUAGE		
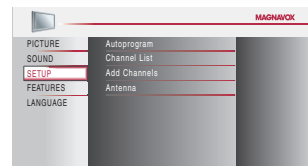
3 Use **[Cursor ▲/▼]** to select "Autoprogram", then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	Autoprogram	
SOUND	Channel List	
SETUP	Add Channels	
FEATURES	Antenna	
LANGUAGE		
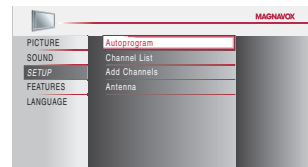
Use **[Cursor ▲/▼]** to select an appropriate option, then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE		Back
SOUND	Autoprogram will rescan all channels. Autoprogramming will take up to 20 minutes to complete.	Antenna
SETUP	Select your signal source.	Cable
FEATURES		
LANGUAGE	**Antenna**	
	Cable Or	
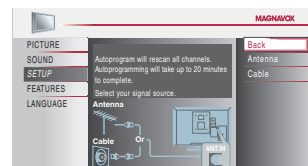
- When aerial antenna is connected, select "Antenna".
- When connected to CATV, select "Cable".
- "Autoprogram" will begin.

Now the system is scanning for channels, please wait.
Auto programming will take up to 20 minutes to complete.

75%

| Analog channels | 10 ch |
| Digital channels | 6 ch |

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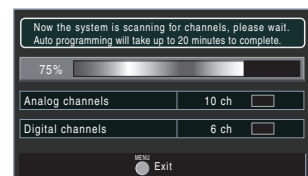
- When the scanning and memorizing are completed, the lowest memorized channel will be displayed.

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.*
- *Even if "Autoprogram" is completed, the channel setting will be lost if the AC power Code is unplugged before turning off the unit by pressing [⏻ (power)].*
- *The PIN Code will be required once you set a PIN Code in the "Child Lock" (Refer to page 27).*
- *If you want to change your PIN Code, follow the instruction of "Change PIN" (Refer to page 30.)*

☑ Channel List

The channels selected here can be skipped when selecting the channels using [CH + / −].
Those channels can still be selected with [the Number buttons].

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

MENU

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

or

OK

		MAGNAVOX
PICTURE	Autoprogram	
SOUND	Channel List	
SETUP	Add Channels	
FEATURES	Antenna	
LANGUAGE		
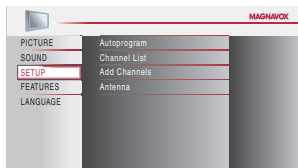
3 Use **[Cursor ▲/▼]** to select "Channel List", then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	Autoprogram	
SOUND	Channel List	
SETUP	Add Channels	
FEATURES	Antenna	
LANGUAGE		
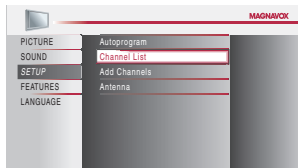
4 Use **[Cursor ▲/▼]** to select the channel you want to remove, then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE		DTV 11.1
SOUND		DTV 11.2
SETUP	Highlight channels for Ch Up/Down key selection.	DTV 11.3
FEATURES		
LANGUAGE		

○ Ch Select ● Watch/Skip ● BACK Back
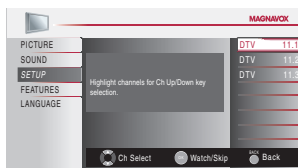
- The channel display for the removed channel darkens. You will not be able to select the channel again using **[CH + / −]**.
- To reactivate a removed channel, use **[Cursor ▲/▼]** and press **[OK]**. The registered channels are highlighted.
- When you remove a main channel, its subchannels are removed as well.

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

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

MENU

☑ Add Channels

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

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

MENU

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

or

OK

		MAGNAVOX
PICTURE	Autoprogram	
SOUND	Channel List	
SETUP	Add Channels	
FEATURES	Antenna	
LANGUAGE		
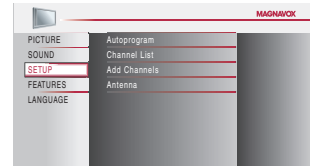
3 Use **[Cursor ▲/▼]** to select "Add Channels", then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	Autoprogram	
SOUND	Channel List	
SETUP	Add Channels	
FEATURES	Antenna	
LANGUAGE		
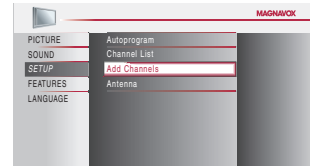
4 Use **[the Number buttons]** to enter the number of the channel you want to add, then press **[OK]**.

1	2	3
4	5	6
7	8	9
0	-	

OK

11

		MAGNAVOX
PICTURE		Add channels
SOUND	For analog channels, select a channel to be added using number keys.	
SETUP	For digital channels, you must perform Autoprogram function.	
FEATURES		
LANGUAGE		

⠿ Ch Change ● BACK Back
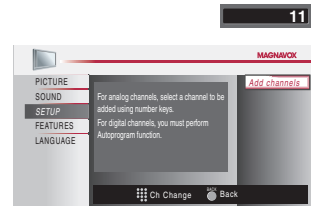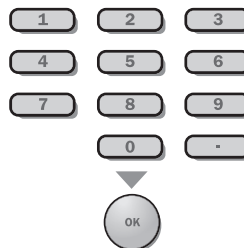
5 Press **[MENU]** to exit.

MENU

Note:
- *If setup completes successfully, "Added to the channel list" is displayed.*
- *If external input is used, it is not possible to register the channel and "Unavailable" will be displayed on the TV screen.*
- *By using [CH + / −], you can select the memorized channels only.*

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ **Antenna Confirmation**

DTV

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

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

MENU

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

or

OK

PICTURE	Autoprogram
SOUND	Channel List
SETUP	Add Channels
FEATURES	Antenna
LANGUAGE	
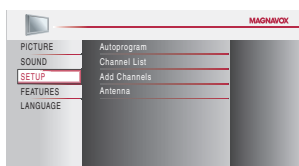
3 Use **[Cursor ▲/▼]** to select "Antenna", then press **[OK]**.

or

OK

PICTURE	Autoprogram
SOUND	Channel List
SETUP	Add Channels
FEATURES	Antenna
LANGUAGE	
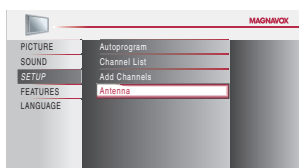
4 Use **[the Number buttons]** or **[CH + / −]** to select the channel for which you want to check the digital signal strength.

1 2 3
4 5 6
7 8 9
0 ·
or
CH + −

11.1

PICTURE	Back
SOUND	
SETUP	
FEATURES	Current 50 Max 50
LANGUAGE	

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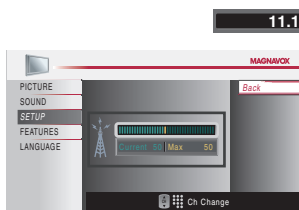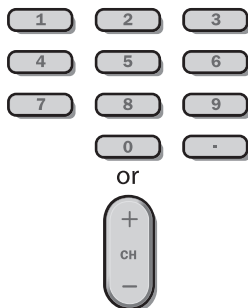
• If the channel is set to analog channel or external input, you cannot confirm the antenna condition.

Video

PICTURE	Back
SOUND	
SETUP	Indicator is available for digital broadcasting only.
FEATURES	
LANGUAGE	

Ch Change
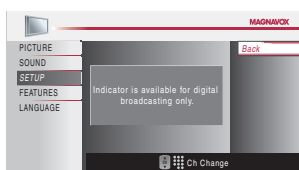
5 Press **[MENU]** to exit.

MENU

☑ **Language Selection**

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

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

MENU

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

or

OK

PICTURE	
SOUND	Select the language for setup display.	English
SETUP		Español
FEATURES	Elija el idioma de ajuste.	
LANGUAGE	Sélectionner langue écran config.	Français
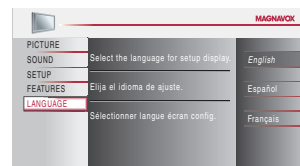
3 Use **[Cursor ▲/▼]** to select "English", "Español" or "Français", then press **[OK]**.

or

OK

PICTURE	
SOUND	Select the language for setup display.	English
SETUP		Español
FEATURES	Elija el idioma de ajuste.	
LANGUAGE	Sélectionner langue écran config.	Français

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

MENU

Note:
*• If you need the English menus instead of the Spanish or French menus, 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.*

☑ Picture Adjustment

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

Before you begin: **You must set "Home" in "Location" (Refer to page 32). Otherwise, the settings you adjusted will not be memorized after you turn off the unit.**

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

MENU

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

or

OK

		MAGNAVOX
PICTURE	Smart Picture	*Personal*
SOUND	Brightness	*30*
SETUP	Contrast	*60*
FEATURES	Color	*36*
LANGUAGE	Tint	*0*
	Sharpness	*0*
	Color Temperature	*Normal*
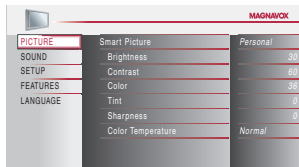
3 Use **[Cursor ▲/▼]** to select the item you want to adjust, then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	Smart Picture	*Personal*
SOUND	Brightness	*30*
SETUP	Contrast	*60*
FEATURES	Color	*36*
LANGUAGE	Tint	*0*
	Sharpness	*0*
	Color Temperature	*Normal*

4 Adjust the picture quality.

Smart Picture

Use **[Cursor ▲/▼]** to select the desired setting, then press **[OK]**.
("Personal", "Standard", "Sports", "Movie" and "Game")

or

OK

		MAGNAVOX
PICTURE	Smart Picture	*Personal*
SOUND	Brightness	Standard
SETUP	Contrast	Sports
FEATURES	Color	Movie
LANGUAGE	Tint	Game
	Sharpness	
	Color Temperature	

Brightness, Contrast, Color, Tint, Sharpness, Color Temperature

Use **[Cursor ▲/▼]** to select the desired setting, then use **[Cursor ◄/►]** to adjust.

or
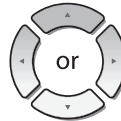
	Cursor ◄	Cursor ►
Brightness Brightness 30	to decrease brightness	to increase brightness
Contrast Contrast 60	to decrease contrast	to increase contrast
Color Color 36	to decrease color intensity	to increase color intensity
Tint Tint 0	to add red	to add green
Sharpness Sharpness 0	to make soft	to make clear
Color Temperature Color Temp. Normal	to add warm colors	to add cool colors

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

MENU

> **Note:**
> • To cancel picture adjustment, press **[MENU]**.

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ Sound Adjustment

You can adjust the smart sound, equalizer and some other sound functions.

Before you begin: **You must set "Home" in "Location" (Refer to page 32). Otherwise, the settings you adjusted will not be memorized after you turn off the unit.**
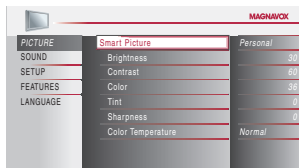
1 Press **[MENU]** to display the main menu.

MENU

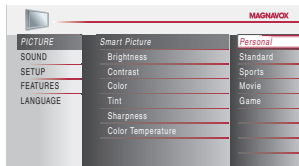2 Use **[Cursor ▲/▼]** to select "SOUND", then press **[OK]**.

or

PICTURE
SOUND   Smart Sound   Standard
SETUP   Equalizer
FEATURES   TV Speakers   Ext. Amp
LANGUAGE
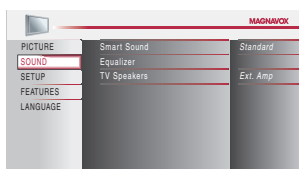
3 Use **[Cursor ▲/▼]** to select the sound type you want to adjust, then press **[OK]**.

or

PICTURE   Smart Sound   Standard
SOUND   Equalizer
SETUP   TV Speakers   Ext. Amp
FEATURES
LANGUAGE
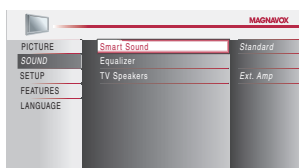
4 Adjust the following items.

Smart Sound

Use **[Cursor ▲/▼]** to select the desired setting, then press **[OK]**.
("Personal ", "Standard ", "Movie ", "Music "and "News ")

or

PICTURE   Smart Sound   Personal
SOUND   Equalizer   Standard
SETUP   TV Speakers   Movie
FEATURES   Music
LANGUAGE   News
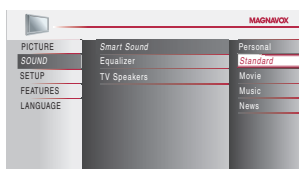
Equalizer

Adjust tonal quality for each frequencies.
Use **[Cursor ◄/►]** to select the specific frequency and use **[Cursor ▲/▼]** to adjust the level, then press **[OK]**.

or

PICTURE
SOUND
SETUP
FEATURES
LANGUAGE

120Hz 500Hz 1.5kHz 5kHz 10kHz
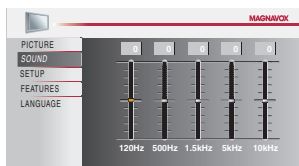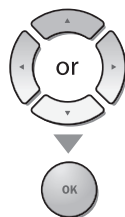
TV Speakers

Select the audio output from the unit's speakers, or not. If your amplifier compatible with the CEC function is connected to this unit using an HDMI cable, some part of the sound operations such as volume up can access synchronized by using this unit's remote control.

Use **[Cursor ▲/▼]** to select the desired option, then press **[OK]**.

or

PICTURE   On
SOUND   "On":   Off
SETUP   Sound will be output from the TV speakers Ext. Amp
FEATURES "Off":
LANGUAGE Sound will not be output from the TV
         speakers.
         "Ext. Amp":
         Operation is possible by connecting to the
         HDMI-CEC compatible amp with a HDMI
         cable. For details look in the user manual.
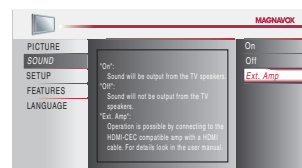
On	The sound will be output from the unit's speakers.
Off	The sound will not be output from the unit's speakers.
Ext. Amp	This function allows you to control audio output from CEC-compatible devices with the unit's remote control.

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

MENU

Note:
- *To cancel sound adjustment, press [MENU].*
- *We do not guarantee 100% interoperability with other brands of CEC compliant devices.*

☑ Closed Caption

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

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

MENU

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

or

OK

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	*On*
LANGUAGE	Location	*Home*
	Current Software Info	
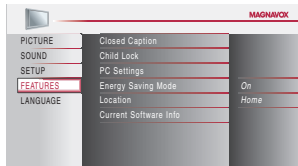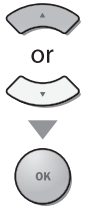
3 Use **[Cursor ▲/▼]** to select "Closed Caption", then press **[OK]**.

or

OK

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	*On*
LANGUAGE	Location	*Home*
	Current Software Info	

See the following description for setting each item.

PICTURE	Caption Service	On	A
SOUND	Digital Caption Service	On	B
SETUP	Caption Style		C
FEATURES			
LANGUAGE			
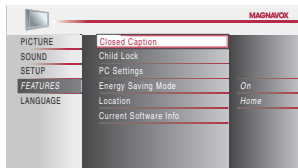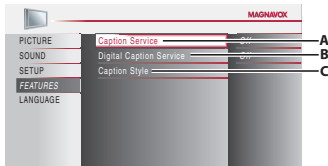
A···**"A. Caption Service"** ⇨ page 24

B···**"B. Digital Caption Service"** ⇨ page 25

C···**"C. Caption Style"** ⇨ page 25

A. Caption Service

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

or

OK

PICTURE	Caption Service	*Off*
SOUND	Digital Caption Service	*Off*
SETUP	Caption Style	
FEATURES		
LANGUAGE		
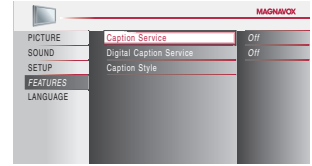
5 Use **[Cursor ▲/▼]** to select the desired closed caption, then press **[OK]**.

or

OK

PICTURE	Caption Service	*Off*
SOUND	Digital Caption Service	CC-1
SETUP	Caption Style	CC-2
FEATURES		CC-3
LANGUAGE		CC-4
		T-1
		T-2
		T-3
		T-4
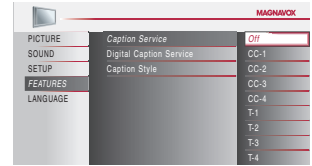
Caption mode

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.

MENU

B. Digital Caption Service

DTV

In addition to the basic closed caption described on page 24, DTV has its own closed caption called digital caption service. Use this menu to change the settings for digital caption service.

4 Use **[Cursor ▲/▼]** to select "Digital Caption Service", then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	Caption Service	*Off*
SOUND	Digital Caption Service	*Off*
SETUP	Caption Style	
FEATURES		
LANGUAGE		
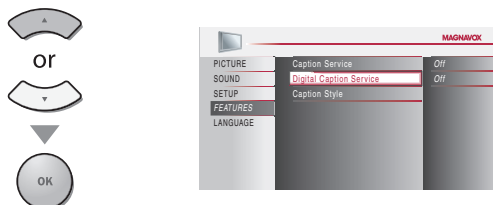
5 Use **[Cursor ▲/▼]** to select the desired digital caption service, then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	Caption Service	*Off*
SOUND	*Digital Caption Service*	CS-1
SETUP	Caption Style	CS-2
FEATURES		CS-3
LANGUAGE		CS-4
		CS-5
		CS-6
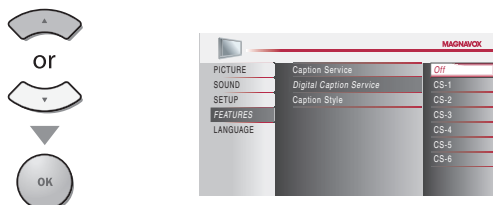
Off	Select if you do not want digital caption service. This is the default.
CS-1 to CS-6	Select one of these before changing any other item in "Closed Caption" menu. Choose "CS-1" under normal circumstances.

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

MENU

Note:
• "Digital Caption Service" that you can switch differs depending on the broadcast description.

C. Caption Style

DTV

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

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

or

OK

		MAGNAVOX
PICTURE	Caption Service	*Off*
SOUND	Digital Caption Service	*Off*
SETUP	Caption Style	
FEATURES		
LANGUAGE		
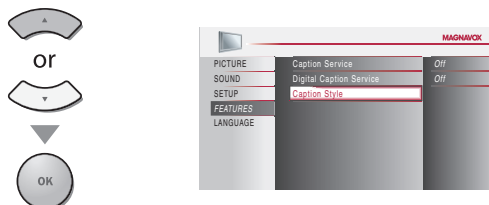
5 Use **[Cursor ▲/▼]** to select "User Setting", then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	User Setting	*Off*
SOUND	Font Style	*Font0*
SETUP	Font Size	*Middle*
FEATURES	Font Color	*White*
LANGUAGE	Font Opacity	*Solid*
	Background Color	*Black*
	Background Opacity	*Solid*
	Edge Color	*Black*
	Edge Type	*None*
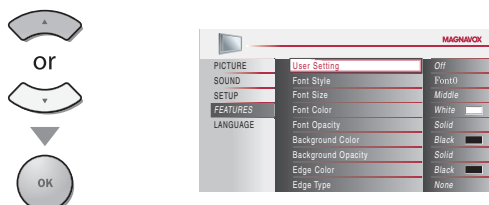
6 Use **[Cursor ▲/▼]** to select "On", then press **[OK]**.

or

OK

		MAGNAVOX
PICTURE	*User Setting*	On
SOUND	Font Style	Off
SETUP	Font Size	
FEATURES	Font Color	
LANGUAGE	Font Opacity	
	Background Color	
	Background Opacity	
	Edge Color	
	Edge Type	
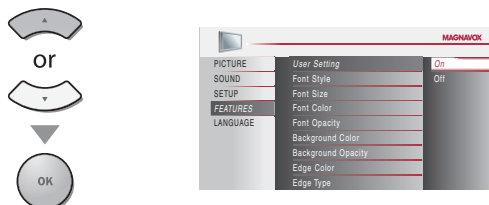
7 Use **[Cursor ▲/▼]** to select an item, then press **[OK]**. Then use **[Cursor ▲/▼]** to select the desired setting and press **[OK]**.

Picture display

ABCDEFGHIJKL

Edge
(Edge Color and Edge Type)

Font
(Font Style, Font Size, Font Color and Font Opacity)
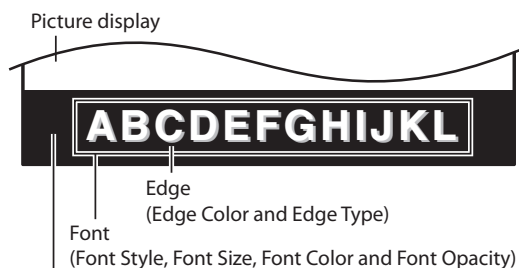
Background
(Background Color and Background Opacity)

• The setting description for each item is shown on the next page.

Font Style

Closed Captioning font style can be changed as below.

PICTURE	User Setting	
SOUND	*Font Style*	Font0
SETUP	Font Size	Font1
FEATURES	Font Color	Font2
LANGUAGE	Font Opacity	Font3
	Background Color	Font4
	Background Opacity	Font5
	Edge Color	Font6
	Edge Type	FONT7

Font Size

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

PICTURE	User Setting	
SOUND	Font Style	
SETUP	*Font Size*	Large
FEATURES	Font Color	*Middle*
LANGUAGE	Font Opacity	Small
	Background Color	
	Background Opacity	
	Edge Color	
	Edge Type	

Font Color

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

PICTURE	User Setting	
SOUND	Font Style	*White*
SETUP	Font Size	Black
FEATURES	*Font Color*	Red
LANGUAGE	Font Opacity	Green
	Background Color	Blue
	Background Opacity	Yellow
	Edge Color	Magenta
	Edge Type	Cyan

Font Opacity

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

PICTURE	User Setting	
SOUND	Font Style	
SETUP	Font Size	
FEATURES	Font Color	
LANGUAGE	*Font Opacity*	*Solid*
	Background Color	Flash
	Background Opacity	Translucent
	Edge Color	Transparent
	Edge Type	
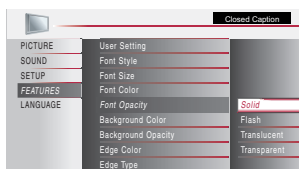
Background Color

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

PICTURE	User Setting	
SOUND	Font Style	White
SETUP	Font Size	*Black*
FEATURES	Font Color	Red
LANGUAGE	Font Opacity	Green
	Background Color	Blue
	Background Opacity	Yellow
	Edge Color	Magenta
	Edge Type	Cyan
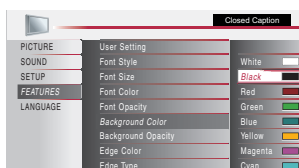
Background Opacity

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

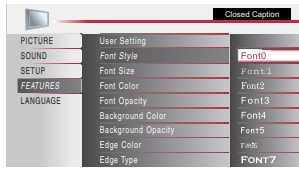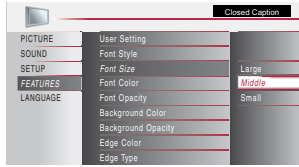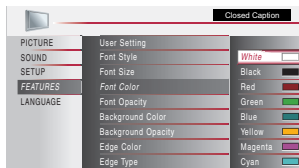|		
PICTURE	User Setting	
SOUND	Font Style	
SETUP	Font Size	
FEATURES	Font Color	
LANGUAGE	Font Opacity	
	Background Color	*Solid*
	Background Opacity	Flash
	Edge Color	Translucent
	Edge Type	Transparent
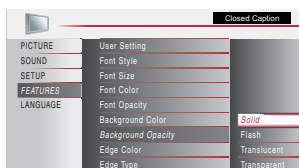
Edge Color

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

PICTURE	User Setting	
SOUND	Font Style	White
SETUP	Font Size	*Black*
FEATURES	Font Color	Red
LANGUAGE	Font Opacity	Green
	Background Color	Blue
	Background Opacity	Yellow
	Edge Color	Magenta
	Edge Type	Cyan
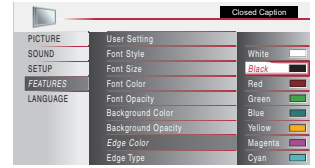
Edge Type

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

PICTURE	User Setting	
SOUND	Font Style	
SETUP	Font Size	
FEATURES	Font Color	*None*
LANGUAGE	Font Opacity	Raised
	Background Color	Depressed
	Background Opacity	Uniform
	Edge Color	L. Shadow
	Edge Type	R.Shadow
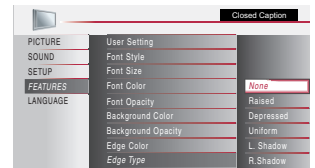
8 Press **[MENU]** to exit.

MENU

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 malfunction.*
- *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 unit 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 unit retains the closed caption setting if the power fails.*
- *Closed caption will not be displayed when you are using an HDMI connection.*
- *When the unit receives special effects playback signal (i.e., Search, Slow and Still) from a VCR's video output channel (CH3 or CH4), the unit may not display the correct caption or text.*
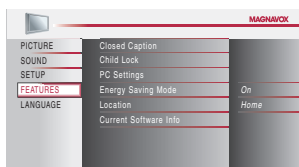
INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

☑ **Child Lock**

Child lock 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 programs inappropriate for children and any channels or external input modes can be invisible.
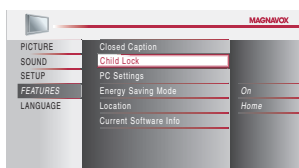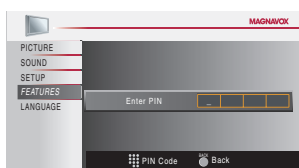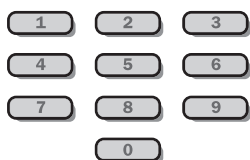
1 Press **[MENU]** to display the main menu.

MENU

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

or

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	On
LANGUAGE	Location	Home
	Current Software Info	

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

or

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	On
LANGUAGE	Location	Home
	Current Software Info	

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

1	2	3
4	5	6
7	8	9
	0	

PICTURE	
SOUND	
SETUP	
FEATURES	Enter PIN
LANGUAGE	

⋮⋮⋮ PIN Code Back

• When you have not set up your PIN Code, enter 0000.
• When the PIN Code is correct, "Child Lock" menu is displayed.

See the following description for setting each item.

PICTURE	Channel Lock	───A
SOUND	US Movie ratings lock	───B
SETUP	US TV ratings lock	───C
FEATURES	Canadian English Rating	
LANGUAGE	Canadian French Rating	
	Region ratings lock	
	Change PIN	───D
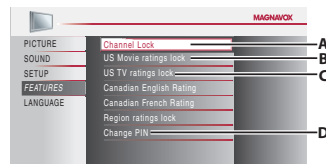
A···"A. Channel Lock" ➪ page 28

B···"B. US Movie ratings lock" ➪ page 28

C···"C. US TV ratings lock" ➪ page 29

D···"D. Change PIN" ➪ page 30

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 programs, 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 unit 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 unit is based on CEA-766-A and the Canadian Radio-Television and Telecommunications Commission (CRTC) policy.

A. Channel Lock

Particular channels or external input modes can be invisible in this function.

5 Use **[Cursor ▲/▼]** to select "Channel Lock", then press **[OK]**.
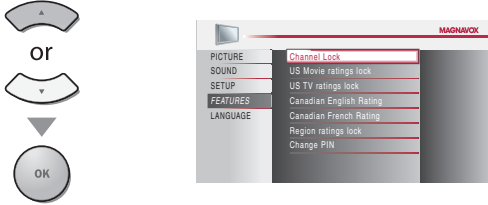
PICTURE
SOUND
SETUP
FEATURES
LANGUAGE

Channel Lock
US Movie ratings lock
US TV ratings lock
Canadian English Rating
Canadian French Rating
Region ratings lock
Change PIN

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

PICTURE
SOUND
SETUP
FEATURES
LANGUAGE

Video
Component
HDMI1
HDMI2
11.1 DTV
11.2 DTV

Select   View / Block   Back
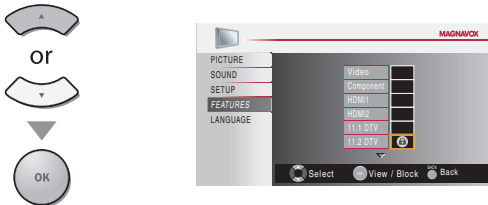
7 Press **[MENU]** to exit.

MENU

B. 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]**.
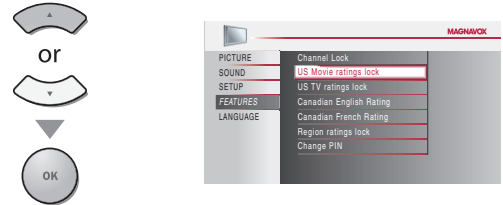
PICTURE
SOUND
SETUP
FEATURES
LANGUAGE

Channel Lock
US Movie ratings lock
US TV ratings lock
Canadian English Rating
Canadian French Rating
Region ratings lock
Change PIN

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

PICTURE
SOUND
SETUP
FEATURES
LANGUAGE

X
NC-17
R
PG-13
PG
G
NR

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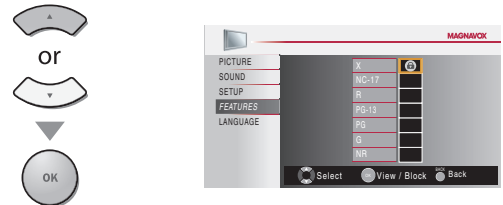
Rating	Category
X	Mature audience only
NC-17	No one under 17 admitted
R	Restricted; under 17 requires accompanying parent or adult guardian
PG-13	Unsuitable for children under 13
PG	Parental guidance suggested
G	General audience
NR	No rating

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

MENU

C. US TV ratings lock

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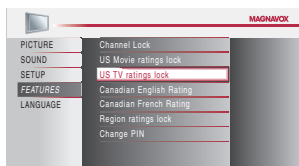
or

OK

PICTURE	Channel Lock
SOUND	US Movie ratings lock
SETUP	US TV ratings lock
FEATURES	Canadian English Rating
LANGUAGE	Canadian French Rating
	Region ratings lock
	Change PIN

MAGNAVOX

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

or

OK

MAGNAVOX

		FV	V	S	L	D
PICTURE						
SOUND						
SETUP	TV-MA					
FEATURES	TV-14					
LANGUAGE	TV-PG					
	TV-G					
	TV-Y7					
	TV-Y					

Select   View / Block   Back
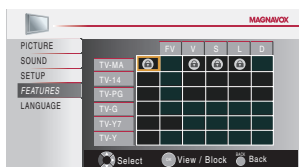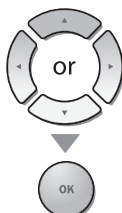
7 Press **[MENU]** to exit.

MENU

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".
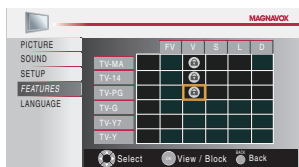
or

OK

MAGNAVOX

		FV	V	S	L	D
PICTURE						
SOUND						
SETUP	TV-MA					
	TV-14					
FEATURES	TV-PG					
LANGUAGE	TV-G					
	TV-Y7					
	TV-Y					

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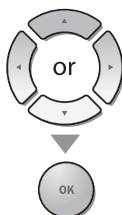
Rating	Category	
TV-MA	Mature audience only	**higher**
TV-14	Unsuitable for children under 14	↑
TV-PG	Parental guidance suggested	
TV-G	General audience	
TV-Y7	Appropriate for all children 7 and older	↓
TV-Y	Appropriate for all children	**lower**

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").*

29
EN

D. Change PIN

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

5 Use **[Cursor ▲/▼]** to select "Change PIN", then press **[OK]**.
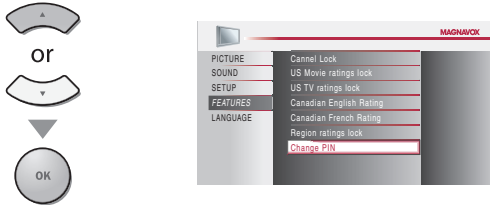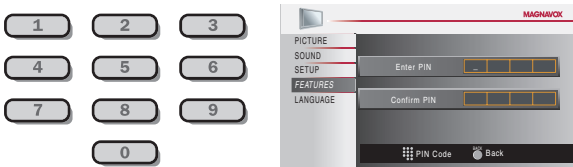
or

PICTURE	Cannel Lock
SOUND	US Movie ratings lock
SETUP	US TV ratings lock
FEATURES	Canadian English Rating
LANGUAGE	Canadian French Rating
	Region ratings lock
	Change PIN

6 Press **[the Number buttons]** to enter the new 4-digit PIN Code.
   • Enter PIN Code again in "Confirm PIN" entry field.

1	2	3
4	5	6
7	8	9
	0	

PICTURE	
SOUND	
SETUP	Enter PIN _
FEATURES	
LANGUAGE	Confirm PIN

⠿ PIN Code   ⟲ Back

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

MENU

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

☑ 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.

MENU

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

or

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	*On*
LANGUAGE	Location	*Home*
	Current Software Info	
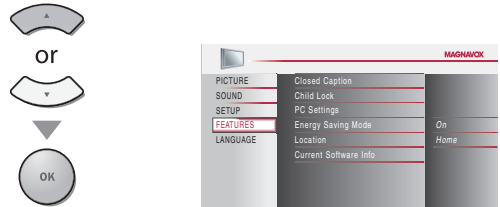
3 Use **[Cursor ▲/▼]** to select "PC Settings", then press **[OK]**.

or

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	*On*
LANGUAGE	Location	*Home*
	Current Software Info	
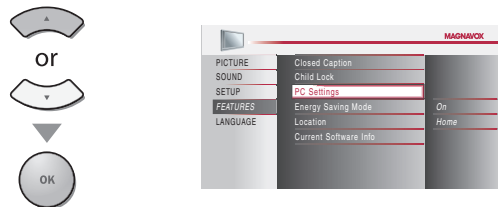
4 Use **[Cursor ▲/▼]** to select the setting you want to adjust, then press **[OK]**.

or

PICTURE	Auto Adjustment	
SOUND		
SETUP	Horizontal Position	*0*
FEATURES	Vertical Position	*0*
LANGUAGE	Clock	*0*
	Phase	*0*

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

5 Adjust the setting.

Auto Adjustment

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

or

PICTURE	
SOUND	To automatically synchronize the phase and clock on the TV and PC.
SETUP	Cancel
FEATURES	Adjust
LANGUAGE	
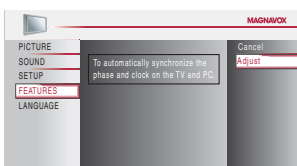
• The horizontal/vertical position, clock and phase of the PC screen are automatically adjusted.

Horizontal Position, Vertical Position

Use **[Cursor ◄/►]** to adjust.

	Cursor ◄	Cursor ►
Horizontal Position H. Position 0 ○ Adjust ○ Move ⊙ OK	to move PC screen left	to move PC screen right
Vertical Position V. Position 0 ○ Adjust ○ Move ⊙ OK	to move PC screen down	to move PC screen up

Clock, Phase

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

	Cursor ◄	Cursor ►
Clock Clock 0 ○ Adjust ○ Move ⊙ OK	to decrease setting value	to increase setting value
Phase Phase 0 ○ Adjust ○ Move ⊙ OK		

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

MENU

Note:

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

☑ **Energy Saving Mode**
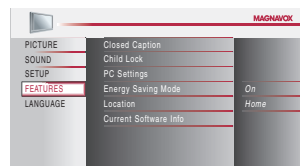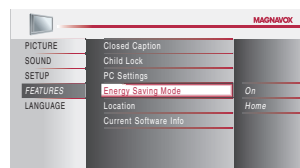
You can set whether the power consumption is saved or not.

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

MENU

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

or

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	*On*
LANGUAGE	Location	*Home*
	Current Software Info	

3 Use **[Cursor ▲/▼]** to select "Energy Saving Mode", then press **[OK]**.

or

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	*On*
LANGUAGE	Location	*Home*
	Current Software Info	

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

or

PICTURE		On
SOUND	When set to "On",power consumption is reduced by decreasing backlight brightness.	Off
SETUP		
FEATURES		
LANGUAGE		

On	Select if you want to reduce the power consumption.
Off	The power consumption may possibly exceed the limited requirement of the ENERGY STAR® qualification.

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

MENU

☑ **Location**

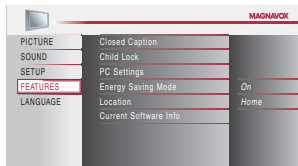**When you select "Retail", the power consumption may possibly exceed the limited requirement of the ENERGY STAR® qualification.**
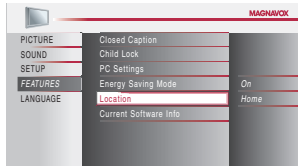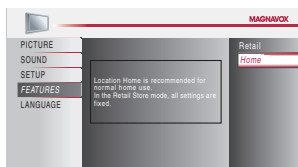
1 Press **[MENU]** to display the main menu.

MENU

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

or

OK

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	On
LANGUAGE	Location	Home
	Current Software Info	

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

or

OK

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	On
LANGUAGE	Location	Home
	Current Software Info	

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

or

OK

PICTURE		Retail
SOUND		Home
SETUP	Location Home is recommended for normal home use. In the Retail Store mode, all settings are fixed.	
FEATURES		
LANGUAGE		

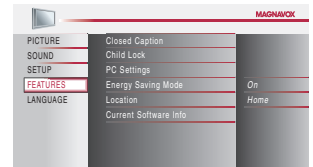**5** Press **[MENU]** to exit.

MENU

☑ **Current Software Info**

This function shows what version of the software currently used.

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

MENU

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

or

OK

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	On
LANGUAGE	Location	Home
	Current Software Info	

3 Use **[Cursor ▲/▼]** to select "Current Software Info", then press **[OK]**.

or

OK

PICTURE	Closed Caption	
SOUND	Child Lock	
SETUP	PC Settings	
FEATURES	Energy Saving Mode	On
LANGUAGE	Location	Home
	Current Software Info	
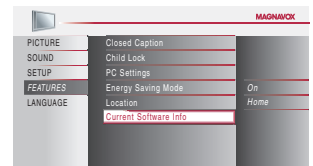
4 Confirm the version of the software currently used.

For 22MF339B

PICTURE		Back
SOUND	Release Version: CM22OS_1.0	
SETUP		
FEATURES		
LANGUAGE		

For 19MF339B

PICTURE		Back
SOUND	Release Version: CM19OS_1.0	
SETUP		
FEATURES		
LANGUAGE		

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

MENU

☑ **FAQ**

Question	Answer
My remote control does not work. What should I do?	• Check the antenna or cable connection to the main unit. • 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 unit. • Reduce the distance to the unit. • Re-insert the batteries with their polarities (+/− signs) as indicated. • When there is an infrared-equipped device such as PC near this unit, it may interrupt the remote control signal of this unit. • Move the infrared-equipped device away from this unit, 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 unit?	• Connect the RF coaxial cable to the unit directly and run the initial setup. • Make sure to complete the channel scan before turning off the unit.
Why I cannot watch some of TV programs?	• Make sure autoprogram has been completed. (Refer to "Autoprogram" on page 19.) • Autoprogram must be completed when you set up the unit 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 19.) • The selected channel cannot be viewed by the "Child Lock" setting. (Refer to "Child Lock" on page 27.) • The unit 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 unit.
How come there is no image from the connected external devices?	• Check if the right input mode is selected by pressing **[SOURCE]** or using **[CH + / −]**. (Refer to "Switching Each Input Mode" on page 16.) • Check the antenna or cable connection to the unit.
Whenever I entered channel number, it changes automatically.	• Many digital channels have alternate channel numbers. The unit 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.	• 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 ?	• There is no clock function on this unit.

☑ Troubleshooting Guide

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

Symptom	Remedy
No power	• Make sure the AC power cord is plugged in. • Make sure that the AC outlet supplies the proper voltage, plug another electrical appliance into the AC outlet. • If a power failure occurs, unplug the AC power cord for 30 minutes to allow the unit to reset itself.
Control button does not work.	• Press only one button at a time. Do NOT press more than one buttons at the same time.
Power is ON but no screen image.	• Check whether the connection of the antenna, cable receiver or satellite box is connected correctly. • Check whether all the cables to the unit are connected to the correct output jack of your device like BD/DVD recorder. • Make sure that the selected input mode is connected to the working input jack. • Check if your computer is NOT in sleep mode when the input mode of this unit is in PC mode. Tap any key on the keyboard to wake up your computer.
No picture or sound	• Check if the power is on. • Check if the right input mode is selected. • Check whether all the cables to the unit are connected to the correct output jack of your device like BD/DVD recorder. • View other TV channels. The problem might be limited to the broadcasting station. • Turn off the unit and wait for about 1 minute, then turn on the unit again. • Check whether the connection of the antenna, cable receiver or satellite box is connected correctly. • Make sure that the selected input mode is connected to the working input jack. • Check if your computer is NOT in sleep mode when the input mode of this unit is in PC mode. Tap any key on the keyboard to wake up your computer. • Make sure that the sound is not muted. Press **[MUTE]** so that the volume bar and current volume level will appear on the TV screen. • Make sure that the volume is NOT set to "0" or "Mute". If so, use **[VOL + / −]** to adjust the desired volume.
No color	• View other TV channels. The problem might be limited to the broadcasting station. • Adjust "Color" in the main menu.
Adjusted "PICTURE" or "SOUND" is not effective every time turn on the unit.	• You must set "Home" in "Location" (Refer to page 32). Otherwise, the settings you adjusted will not be memorized after you turn off the unit.
Sound OK, picture poor	• 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. • For the best picture quality, watch "high definition" wide screen programs. If the HD content is not available, watch "standard definition" programs instead.
Picture OK, sound poor	• View other TV channels. The problem might be limited to the broadcasting station. • Check if the audio cable is connected in correctly .
You see a distorted picture or hear an unusual sound.	• You may be getting interference from electrical appliances, automobiles, motorcycles or fluorescent lights. • Try moving the unit to another location to see if this is the cause of the problem.
Ghosts, lines or streaks in picture	• Electrical interference from nearby appliances may affect picture quality. • View other TV channels. The problem might be limited to the broadcasting station.
You see "noise" or "trash" on the screen.	• When the capabilities of the unit exceed the capabilities of the digital broadcasting, the signal will be increased to match the capabilities of the display of the unit. This may cause noise or trash.
Different color marks on the TV screen	• Move your unit away from nearby electric appliances. Turn off the unit and wait 30 minutes before turning it back on. • View other TV channels. The problem might be limited to the broadcasting station.

INTRODUCTION

PREPARATION

WATCHING TV

OPTIONAL SETTING

TROUBLESHOOTING

INFORMATION

Symptom	Remedy
You switch to a different input and the volume.	• This unit will memorize the volume level from the last time you adjusted it. • If the volume of the sound from another device is higher or lower, then the loudness will change.
You switch to a different input and the screen size changes.	• This unit will memorize the viewing mode from the last time you used the particular input modes.
The display image does not cover the entire screen.	• If you are using the unit as a PC monitor, make sure that "Horizontal Position" and "Vertical Position" in "PC Settings" are set correctly. • If you are watching TV or using the video, S-video, component video or HDMI with 480i input, press **[FORMAT]** repeatedly to switch various screen modes.
Captions are displayed as a white box. No caption is displayed in the Closed Caption-supported program.	• 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 back a disc or a cassette tape containing captions.	• The disc or cassette tape may be illegally copied, or the caption signal might not have been read during copying.
Black box is displayed on the TV screen.	• 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 manual for more details on correct operations.*

☑ 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).

CEC (Consumer Electronics Control)

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

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, BD/DVD recorder 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.

Password / PIN Code

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

Panel Cleaning

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

Servicing

Should your unit become inoperative, do not try to correct the problem yourself. There are no user serviceable parts inside. Turn off the unit, unplug the AC 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, press any button and listen. If the sound from the radio flutters, it is receiving the remote control's infrared signal.
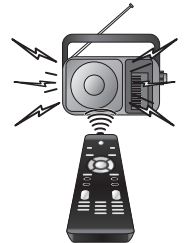
- With a digital camera (including built-in cell phone cameras):
  Point a digital camera towards the remote control. Press any button on the remote control and look through the digital camera. If the infrared light appears through the camera, the remote control is working.

☑ Cable Channel Designations

If you subscribe to cable TV, the channels are displayed as 1-135. Cable companies often designate channels with letters or letter-number combinations. Please check with your local cable company. The following is a chart of common cable channel designations.

CATV channel	5A	2	3	4	5	6	7	8	9	10	11	12	13	A	B	C	D	E	F	G	H
TV Display	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
CATV channel	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	W+1	W+2	W+3	W+4	W+5	W+6
TV Display	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
CATV channel	W+7	W+8	W+9	W+10	W+11	W+12	W+13	W+14	W+15	W+16	W+17	W+18	W+19	W+20	W+21	W+22	W+23	W+24	W+25	W+26	W+27
TV Display	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
CATV channel	W+28	W+29	W+30	W+31	W+32	W+33	W+34	W+35	W+36	W+37	W+38	W+39	W+40	W+41	W+42	W+43	W+44	W+45	W+46	W+47	W+48
TV Display	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84
CATV channel	W+49	W+50	W+51	W+52	W+53	W+54	W+55	W+56	W+57	W+58	A-5	A-4	A-3	A-2	A-1	W+59	W+60	W+61	W+62	W+63	W+64
TV Display	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
CATV channel	W+65	W+66	W+67	W+68	W+69	W+70	W+71	W+72	W+73	W+74	W+75	W+76	W+77	W+78	W+79	W+80	W+81	W+82	W+83	W+84	W+85
TV Display	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126
CATV channel	W+86	W+87	W+88	W+89	W+90	W+91	W+92	W+93	W+94												
TV Display	127	128	129	130	131	132	133	134	135												

☑ General Specifications

TV format: ATSC / NTSC-M TV standard
Closed caption system:
　　§15.122/FCC (digital CC)
　　§15.119/FCC (analog CC)
Channel coverage (ATSC/NTSC):
　Terrestrial **VHF:** 2~13　**UHF:** 14~69
　CATV 2~13, A~W,
　　　W+1~W+94 (analog W+1~W+84),
　　　A-5~A-1, 5A
Tuning system: Channel frequency synthesized tuning system
Channel access: Direct access keyboard,
　　　Programmable scan, and up/down

☑ Electrical Specification

Sound Output: 3W, 8Ω x 2

☑ Other Specifications

Terminals:
　Antenna input: VHF/UHF/CATV　　75Ω unbalanced (F-type)
　Audio input: RCA jack (L/R) x 6　　500mV rms
　S-video input: Mini DIN 4-pin jack x 1　**Y:** 1V p-p (75Ω)
　　　　　C: 286mV p-p (75Ω)
　Video input: RCA jack x 1　　1V p-p (75Ω)
　Component video input:
　　　RCA jack x 3　　**Y:** 1V p-p (75Ω)
　　　　　Pb: 700mV p-p (75Ω)
　　　　　Pr: 700mV p-p (75Ω)
　HDMI input: HDMI 19pin x 2
　PC input: D-Sub 15pin x 1 (RGB)
　　　Mini jack ø3.5mm x1 (audio)
　Coaxial digital audio output:
　　　RCA jack x1　　500mV p-p (75Ω)

Remote control: Digital encoded infrared light system
Operating temperature:
　　41°F (5°C) to 104°F (40°C)
Power requirements:
　　120V~ AC +/- 10%, 60Hz +/- 0.5%

[22MF339B]

　Power consumption (maximum):
　　70W
　LCD: 22 inches class (21.6 inches measured diagonally)
　Dimensions: <Without stand>　　<With stand>
　　W: 21.4 inches (542.8mm)　21.4 inches (542.8mm)
　　H: 14.8 inches (373.6mm)　16.2 inches (411.2mm)
　　D: 4.0 inches (100.2mm)　8.3 inches (210.0mm)
　Weight: 9.8 lbs. (4.4kg)　10.4 lbs. (4.7kg)

[19MF339B]

　Power consumption (maximum):
　　55W
　LCD: 19 inches class (18.5 inches measured diagonally)
　Dimensions: <Without stand>　　<With stand>
　　W: 18.8 inches (477.5mm)　18.8 inches (477.5mm)
　　H: 13.1 inches (330.4mm)　14.5 inches (365.8mm)
　　D: 3.7 inches (91.7mm)　8.3 inches (210.0mm)
　Weight: 8.0 lbs. (3.6kg)　8.6 lbs. (3.9kg)

• Designs and specifications are subject to change without notice and without our legal obligation.
• If there is a discrepancy between languages, the default language will be English.

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

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

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

WHAT IS COVERED:
This warranty covers new products if a defect in material or workmanship occurs and a valid claim is received within the Warranty Period. At its option, the company will either (1) repair the product at no charge, using new or refurbished replacement parts, or (2) exchange the product with a 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 current inventory, or (3) refund the original purchase price of the product.
Replacement products or parts provided under this warranty are covered against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product's warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes company property. When a refund is given, your product becomes company property.

Note: Any product sold and identified as refurbished or renewed carries a ninety (90) day limited warranty.

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

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

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

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

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

TO OBTAIN ASSISTANCE…
Contact the Customer Care Center at:
    1-866-341-3738

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

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

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

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

Printed in China

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com