

20" LCD Television

FLM-2017

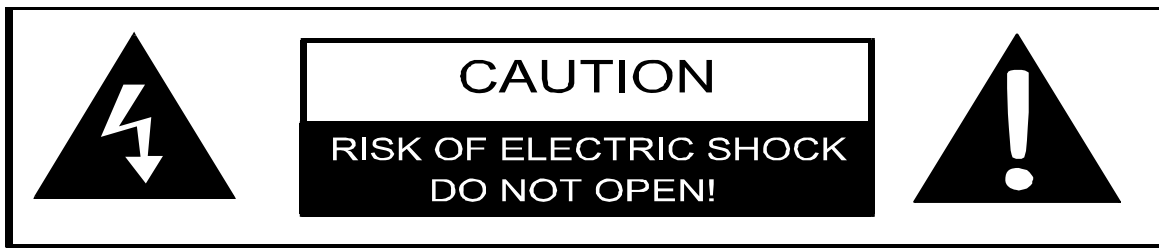


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Important Safety Instructions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric to persons.



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

POWER SUPPLY:

Plug the two-prong end of the power cord to an AC100-240V outlet. If you have difficulty inserting the plug, turn it over and reinsert it. If the unit will not be used for a long time, disconnect the plug from the outlet.

NOTE:

Before plugging the power cord into an AC outlet, make sure that all the connections have been made.

CAUTION: These servicing instructions are for use by qualified service personnel only. Don’t perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer to service manual for servicing instructions.

WEEE STATEMENT:

This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly. To find out how to properly dispose of this product, please go to **www.polaroid.com** and click on “**Company**” or call the customer service number for your country listed in the instruction manual.



Important Safety Instructions

Note:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Maintain well ventilated conditions around the product. Do not put product on bed, sofa or anything that blocks ventilation. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.



Note: Do not touch the color TFT LCD screen by hand directly.

Copyright Protection

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

Product Features

This product incorporates LCD display and TV receiver in one system.

Multiple Mode

Component mode

VGA mode

TV mode

Composite mode

S-VIDEO mode

AV and VGA Input

Can be connected external audio and video signal source and PC.

Special Function

Supports sleep timer setting and V-Chip function.

High Quality Property

High Resolution

Adopt an MPEG2 decoding format to achieve horizontal resolution more than 500 lines.

Multi-audio and Multi-video modes

Supports multi-audio and multi-video modes, provide more selecting.

LCD (Liquid Crystal Display)

Designed with 20" color TFT liquid crystal display clearly shows the data.

MTS (Multi-Channel Sound) Function

Supports the MTS function. According to the broadcasting programs, you can choose the corresponding soundtrack.

Stereo amplifier

Built-in 2x5W speakers provide high quality sound.

Auto TV Searching Function

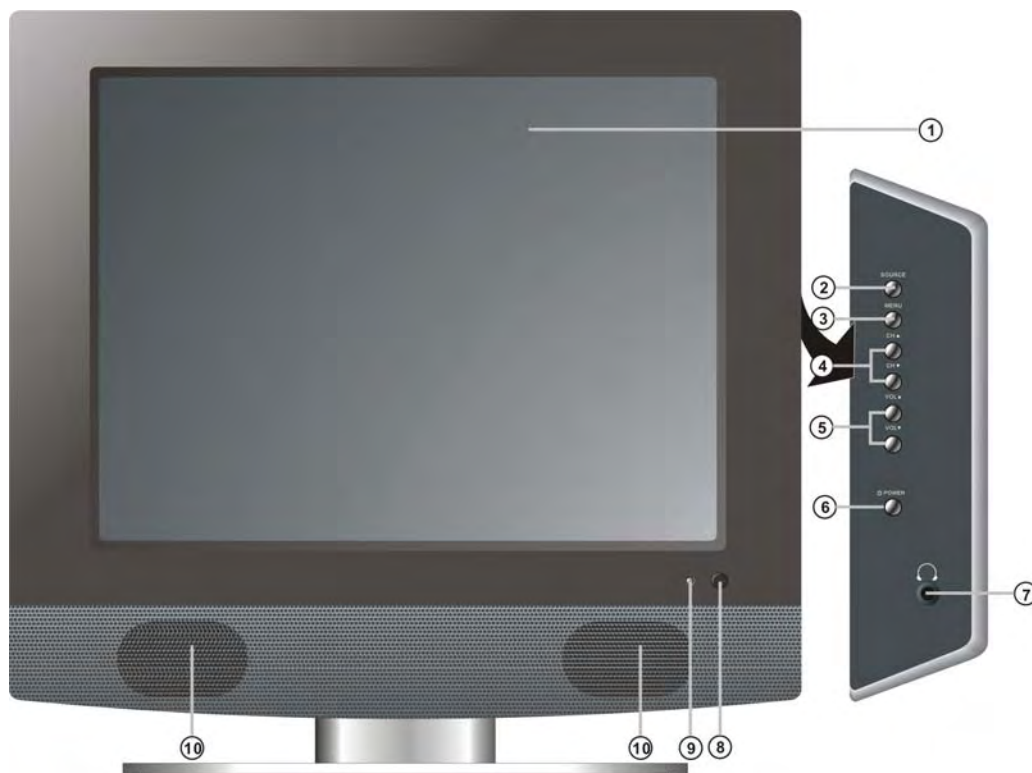
Can be connected to the TV antenna, which supports Auto TV programs searching function.

Multi-Screen Aspect Ratio

Support several different screen aspect ratio.

NOTE: It is normal for a TFT screen to experience some light or dark spots appearing on the LCD screen

Front Panel



1. 20" color TFT screen

20" color TFT screen clearly show the data.

2. SOURCE button

Press to select the modes: Component, VGA, TV, Composite or S-VIDEO.

3. MENU button

Press to enter or exit setup menu.

4. CH + /CH- button

In the TV mode, press to select channels.

In setup menu, the same function as ▲/▼ direction buttons.

5. VOL+ /VOL-button

In the TV mode, press to decrease or increase the volume.

In setup menu, the same function as ◀/▶ direction buttons.

In setup menu, the VOL▲ has the same function as ENTER button.

Front Panel

6. POWER button

Press to enter or exit the standby mode.

7. Earphone Jack

When connected to earphone, the internal speakers will automatically turn off.

8. Remote Sensor

Remote sensor window for the remote control.

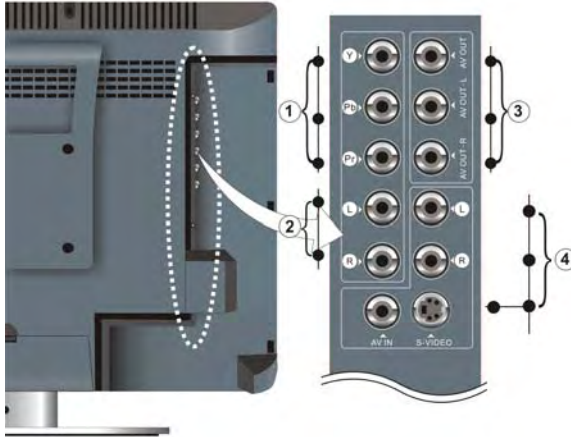
9. Power Indicator

In normal playback status, it is blue; in standby mode, it turns red.

10. Speakers

Two speakers output high quality stereo sound.

Rear Panel



1. Y/Pb/Pr Input Jack

Connected to the Y/Pb/Pr input in Component mode

2. L/R Audio Input Jack

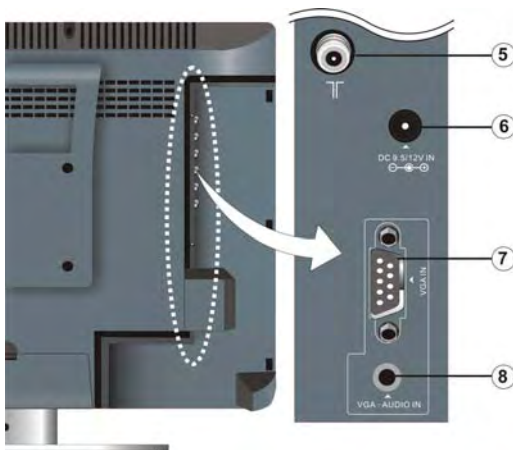
Connected to the L/R audio input in Component mode. The L/R audio input jacks can also be used in S-Video mode.

3. AV Output Jacks

Connected to the external AV input device.

4. S-Video Input Jacks

In the S-VIDEO mode, connected to S-VIDEO signal input.



5. TV Signal Input Jack

Connected for the external NTSC TV signal input.

6. DC 9.5/12V IN Jack

Connected to power adapter.

7. VGA Input Jack

Connected to the VGA output jack on a personal computer.

8. VGA AUDIO IN Jack

Connected to the PC audio output jack.

Remote Control

Remote Control Drawing



1. **SOURCE button**

Press to select the mode Component, VGA, TV, Composite or S-VIDEO.

2. **0~9 Number buttons**

Press to select numbers

3. **LAST button**

In the TV mode, press to return to the channel last viewed.

4. **VOL +/- button**

Press to increase or decrease the volume.

5. **SLEEP button**

Press to select sleep time.

6. **MUTE button**

Press to turn on or off the speaker output.

7. **Direction buttons (▲▼◀▶)**

In the setup menu, press the ▲▼ button to select the desired item and press the ◀▶ button to adjust or set.

8. **OK button**

Press to confirm your selection.

9. **INFO button**

Press to display the information about current status on the screen.

10. **POWER button**

Press to enter or exit the standby mode.

11. **ENT button**

In TV mode, when selecting channels 1-99, press this button to confirm and enter the selected channel.

12. **CH ▲/▼ button**

In TV mode, press to select channel.

13. **MTS button**

Press to activate MTS function in TV mode.

14. **CC button**

In TV mode or with Composite as the input source, press to display the closed captions or cancel display.

15. **MENU button**

Press to enter the LCD setup menu.

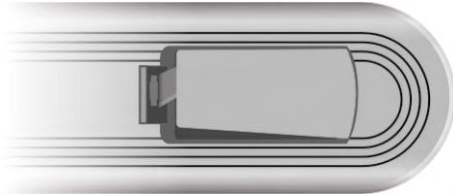
16. **EXIT button**

Press to exit the setup menu.

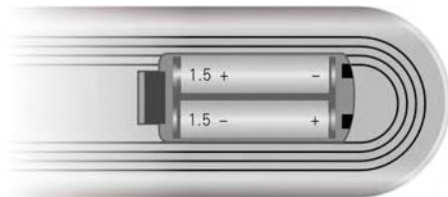
Remote Control

Preparation of Remote Control

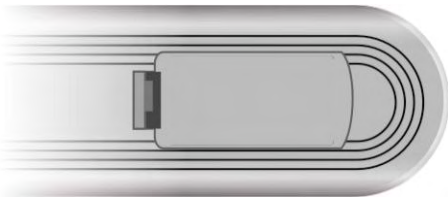
Push the back cover to open the battery compartment.



Insert two batteries (1.5V, size AAA), please make sure the polarity matches the marks inside the compartment.



Press the back cover to close it.



- Under normal use the battery will last for six months.
- Take out batteries when the remote is not in use for a long time.

Using of Remote control

Point the remote control unit from no more than about 7m from the remote control sensor and within about 60 degrees of the front of the unit.



- The operating distance may vary depending to the surrounding brightness.

Notes:

- Do not point bright lights directly at the remote control sensor.
- Do not place objects between the remote control unit and the remote control sensor.
- Do not use this remote control unit while simultaneously operating the remote control unit of any other equipment.

System Connections

- Do not connect the power cord until all other connections have been made.
- Ensure that you observe the color-corded cables when connecting audio and video cables.

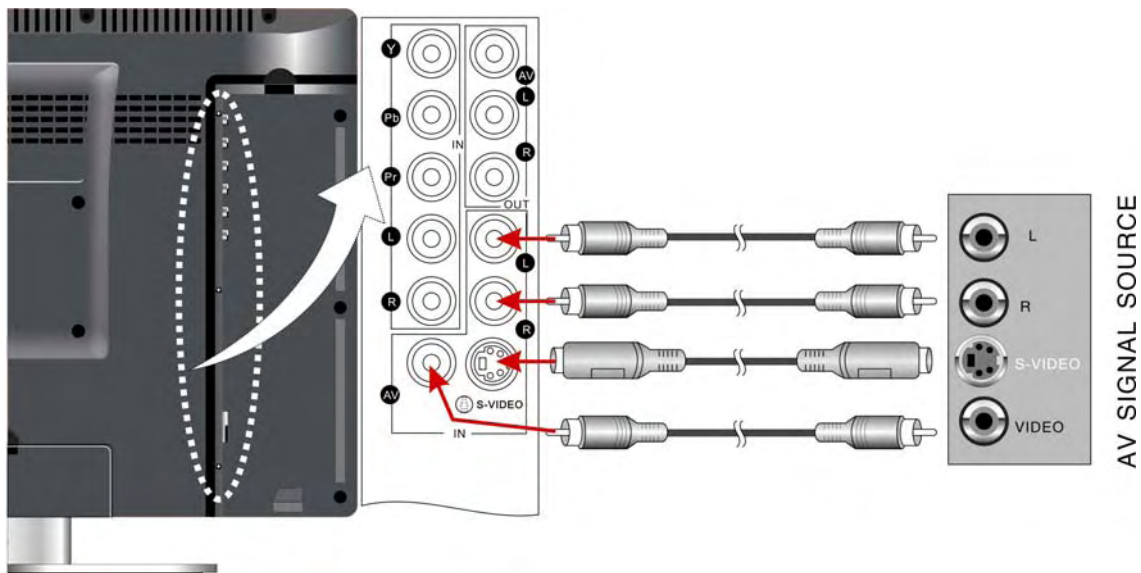
Connecting to External AV Signal Source

Use the audio and video cable to connect the AV input jacks on the rear panel of the unit to the external AV signal source.

Use the S-VIDEO cable to connect the S-VIDEO input jack on the rear panel of the unit to the external AV signal source.

After making all AV connections, turn on the power of the unit and the external AV signal source and press the SOURCE button to shift to Composite or S-VIDEO mode.

Note: the L/R audio input jacks can be used in the both Composite and S-VIDEO modes.

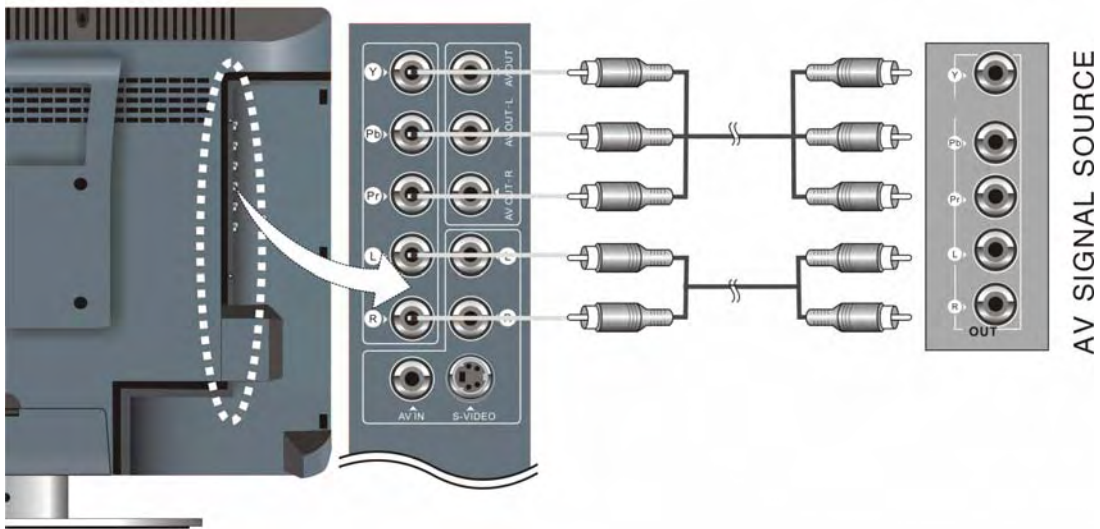


System Connections

Connecting to External AV Signal Source (YPbPr)

Use the audio and video cables to connect the YPbPr (Component) input jacks on the rear panel of the unit to the external AV signal source.

After making all AV connections, turn on the power of the unit and external AV signal source and press the SOURCE button to shift to Component mode.

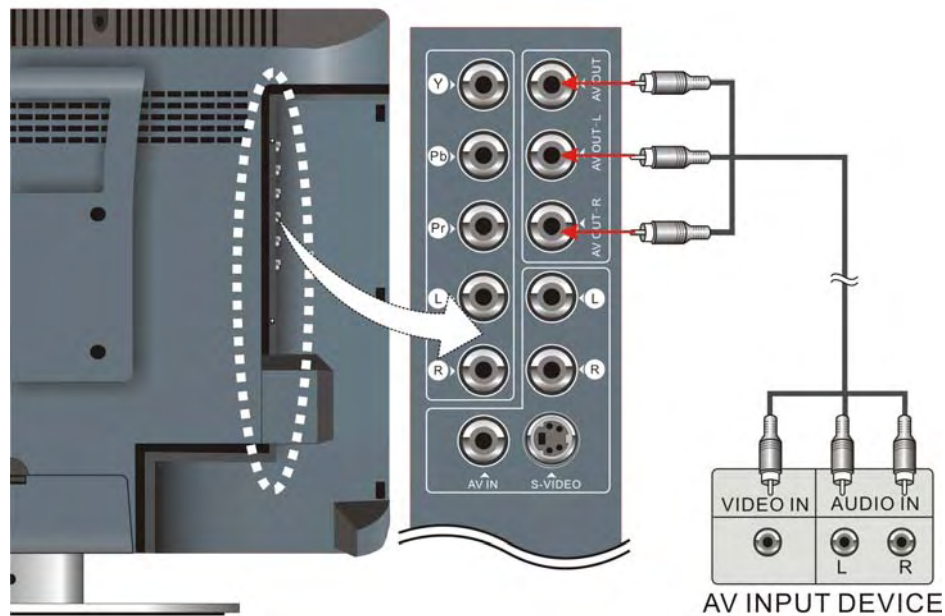


System Connections

Connecting to External AV Device(AV Out)

The unit supports audio and video signal input function, it can be connected to the external audio and video device.

Use the audio and video cables to connect the AV output Jacks on the rear panel of the unit to the external AV input device.



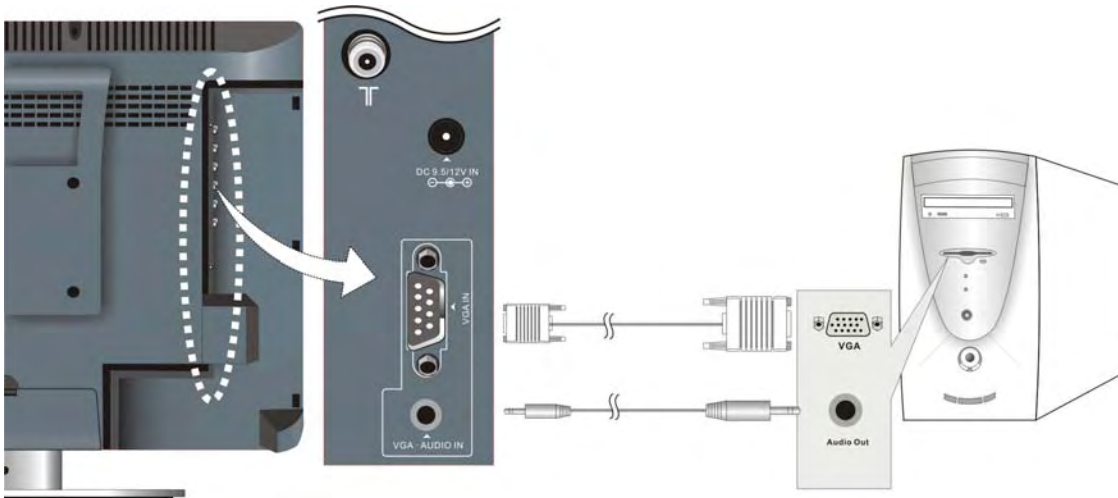
System Connections

Connecting to PC

The unit can be connected to PC (personal computer) via the VGA cable. Follow the steps and the figure below to connect:

1. Connect one end of the VGA cable to the VGA input jack on the rear panel of the unit.
2. Connect the other end to the PC.
3. Connect one end of the audio cable to the PC audio input jack on the rear panel of the unit.
4. Connect the other end to the PC audio output jack.
5. Set the PC's resolution at 800 x 600 @60Hz.

After making all connections, turn on the unit and the PC and press the SOURCE button to shift to VGA mode.



System Connections

Connecting to Headphones

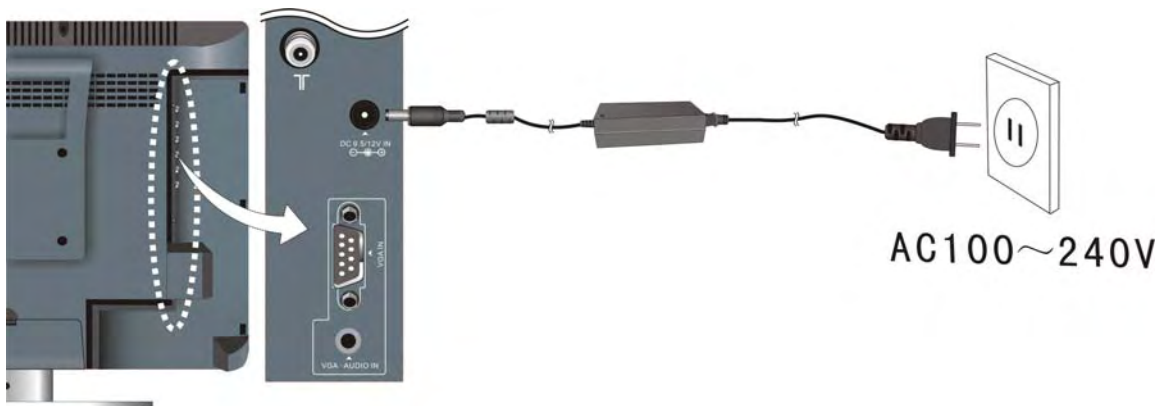
This unit can be connected to an earphone for listening music in private. See below figure for details:



After connecting to the earphone, the internal speakers' output will turn off automatically.

Connecting to Power Adapter

Power is supplied through the provided appropriate power adapter, one end is connected to the DC 9.5/12V IN jack on the rear panel of the unit, the other end to the AC100~240V wall outlet.

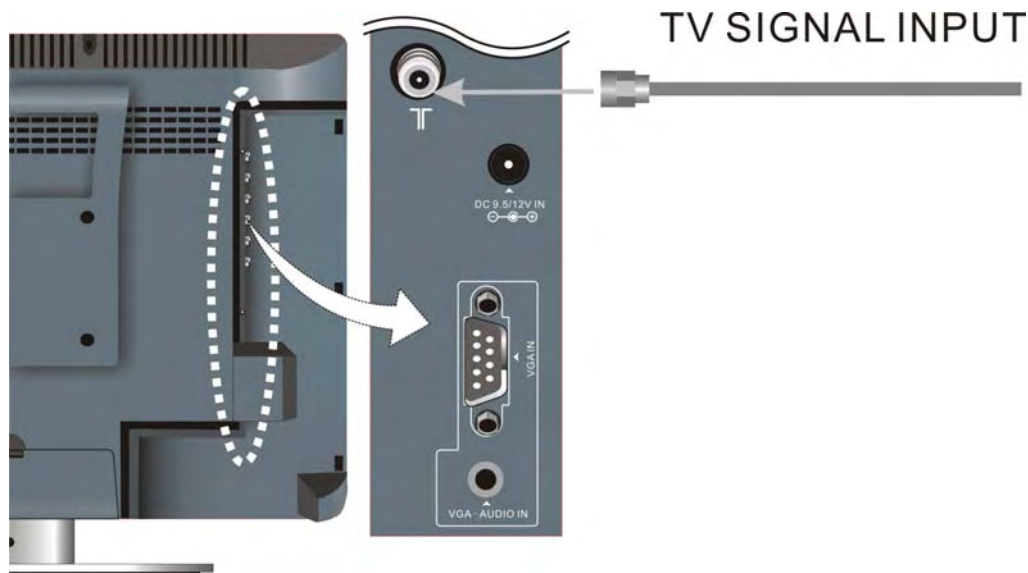


System Connections

Connecting to TV Antenna

This unit can be connected to the TV signal input source via the TV jack on the rear panel.

After making all connections, turn on the power of the unit and press the SOURCE button to shift to TV mode.



When channel system is set to Antenna, you can select channels from 2 to 69:

- For 2~9 channels:
Press the number buttons to select channel X, wait five seconds to go to the selected channel, or press ENT button to go to the selected channel directly without waiting.
- For 10~69 channels:
Press the number buttons to select channel XX, the unit will go to the selected channel directly.

When channel system is set to Cable, HRC or IRC, you can select channels from 1 to 125

1. For 0~9 and 10~99 channels :
Press the number buttons to select the channel X or XX, wait five seconds to go to the selected channel, or press ENT button to go to the selected channel directly without waiting.
2. For 100~125 channels:
Press the number buttons to select channels XXX, the unit will go to the selected channel

directly .

* X is the channel number.

TV Setup and Operation

Preparations

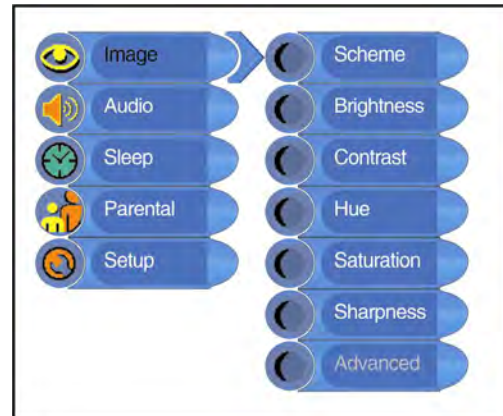
1. After making all connections, press the POWER button to turn on the power. (If it is turned on, the power indicator is blue.)
2. Press the SOURCE button to shift to TV mode. You can go on with the following operations:

Image Setting

Note: This item is only available when there is signal input.

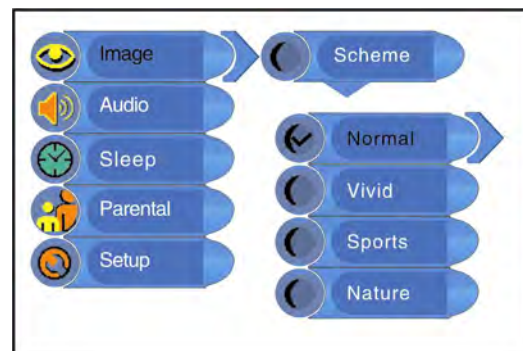
Press the MENU button once to enter the setup menu, as shown on the right:

In the setup menu, press the ▲▼ button to select **Image** and then press the ENTER button to enter the item. Press the ▲▼ button to select. Press the MENU button to return to the previous menu.



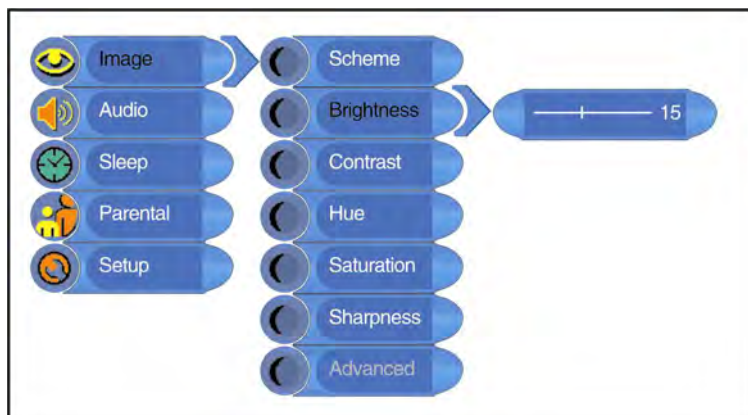
Scheme Setup

Press the ▲▼ button to select **Scheme** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



Brightness Setup

Press the ▲▼ button to select **Brightness** and press the ◀▶ button to adjust the value. Press the MENU button to return to the previous menu.



TV Setup and Operation

Contrast Setup

Press the ▲▼ button to select **Contrast** and press the ◀▶ button to adjust the value. Press the MENU button to return to the previous menu.

Hue Setup

Press the ▲▼ button to select **Hue** and press the ◀▶ button to adjust the value. Press the MENU button to return to the previous menu.

Saturation Setup

Press the ▲▼ button to select **Saturation** and press the ◀▶ button to adjust the value. Press the MENU button to return to the previous menu.

Sharpness Setup

Press the ▲▼ button to select **Sharpness** and press the ◀▶ button to adjust the value. Press the MENU button to return to the previous menu.

Advanced Setup

Press the ▲▼ button to select **Advanced** and press the ENTER button to enter.

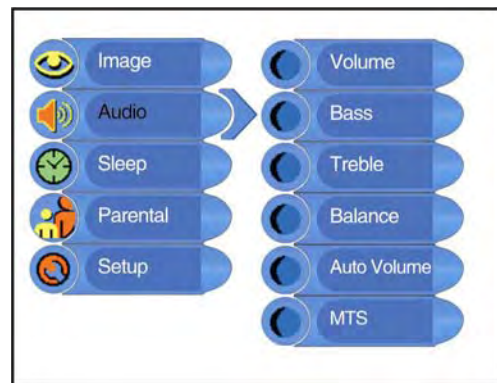
In the menu, press the ▲▼ button to select the desired item and press the ENTER button to confirm. Press the MENU button to return to the previous menu.

Note: This item is only available in Component and VGA modes.

Audio Setting

Press the MENU button once to enter the setup menu. Press the ▲▼ button to select **Audio** and press the ENTER button to enter the menu shown on the right.

In the **Audio** setup menu, press the ▲▼ button to select the desired item and press the ENTER button to enter. Press the MENU button to return to the previous menu.



Volume Setup

Press the ▲▼ button to select **Volume** and press the ◀▶ button to adjust the level. Press the MENU button to return to the previous menu.

Bass Setup

Press the ▲▼ button to select **Bass** and press the ◀▶ button to adjust the level. Press the MENU button to return to the previous menu.

TV Setup and Operation

Treble Setup

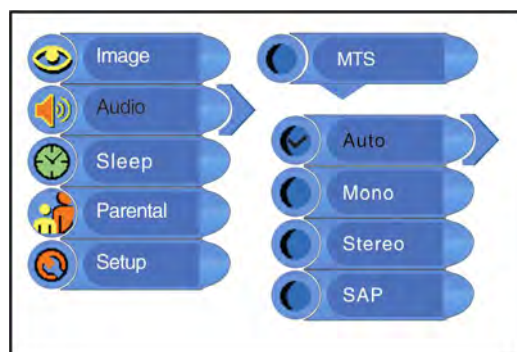
Press the ▲▼ button to select **Treble** and press the ◀▶ button to adjust the level. Press the MENU button to return to the previous menu.

Balance Setup

Press the ▲▼ button to select **Balance** and press the ◀▶ button to adjust the level. Press the MENU button to return to the previous menu.

MTS Setup

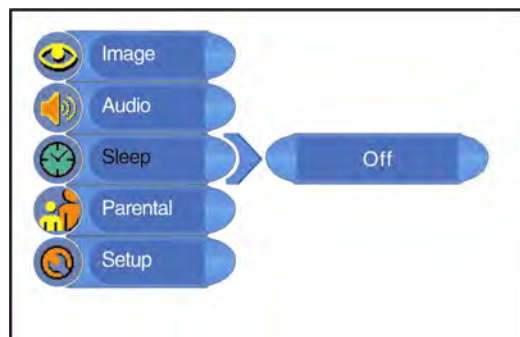
Press the ▲▼ button to select **MTS** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



Sleep Setting

Press the MENU button to enter the setup menu. Press the ▲▼ button to select **Sleep** and press the ENTER button to enter the menu shown on the right.

In the **Sleep** setup menu, press the ▲▼ button to select 15Min, 30Min, 45Min, 60Min, 75Min, 90Min, 105Min, 120Min or Off. Press the MENU button to return to the previous menu

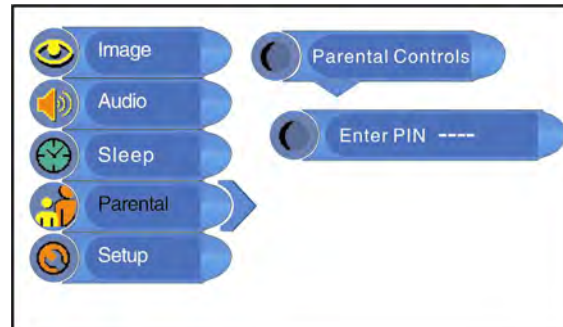


TV Setup and Operation

Parental Setting

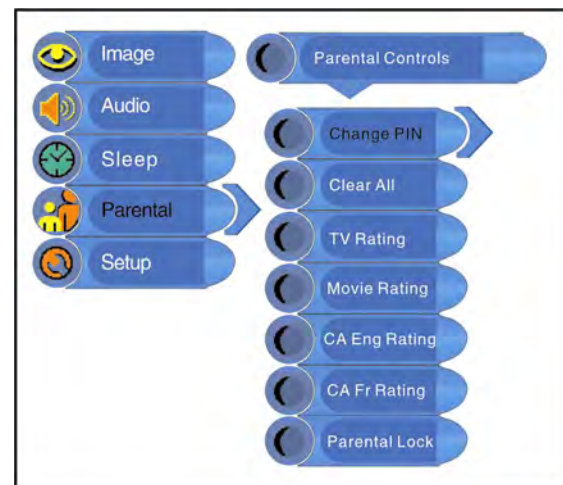
Note: The Parental Function is the same as that of V-CHIP.

Press the MENU button to enter the setup menu. Press the ▲▼ button to select **Parental** and press the ENTER button to enter the menu shown on the right.



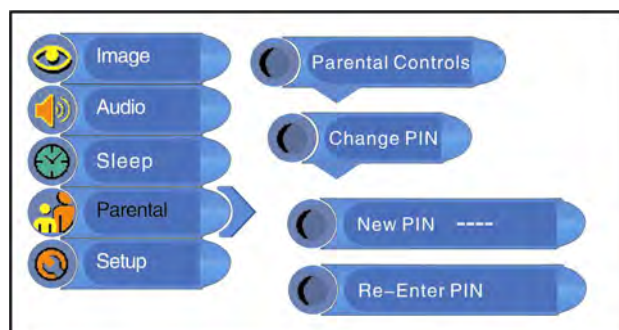
In the **Parental** setup menu, press the ENTER button and use the number buttons to enter the pin. The default pin is 1111. Press the ENTER button to continue and display the menu as shown on the right.

Note: The Master password is 3308. This password is always effective even after you have selected your own password and changed it.



Change PIN

Press the ▲▼ button to select **Change PIN** and press the ENTER button to enter. Use the number buttons to enter the new pin you want and then press the ENTER button to confirm. Use the number buttons to enter the new pin again and press the ENTER button to confirm and return to the previous menu.



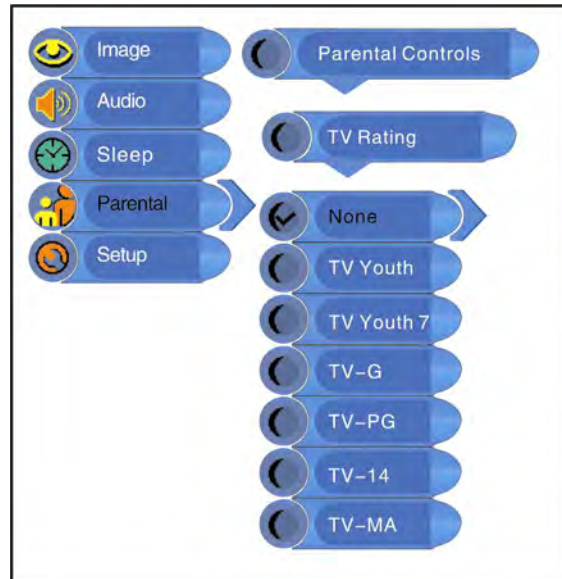
TV Setup and Operation

Clear All

Press the ▲▼ button to select **Clear All** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.

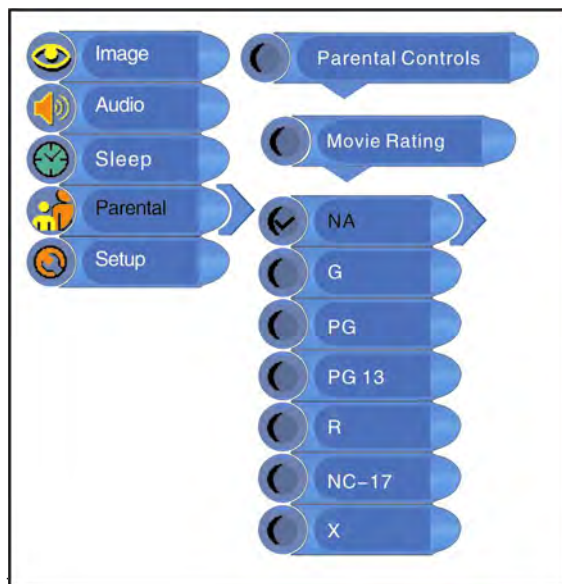
TV Rating

Press the ▲▼ button to select **TV Rating** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



Movie Rating

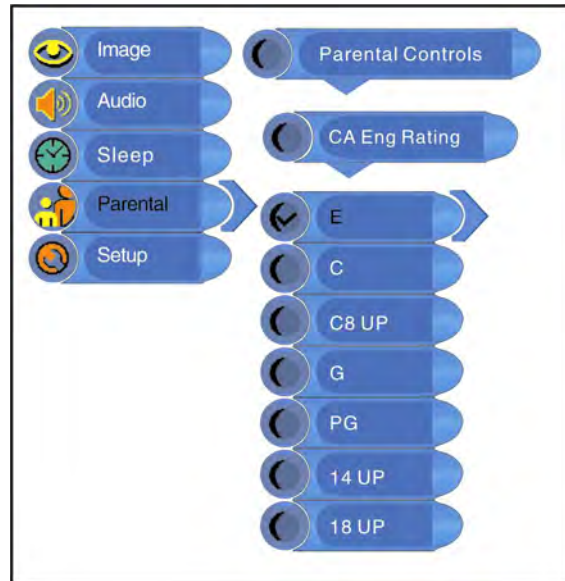
Press the ▲▼ button to select **Movie Rating** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



TV Setup and Operation

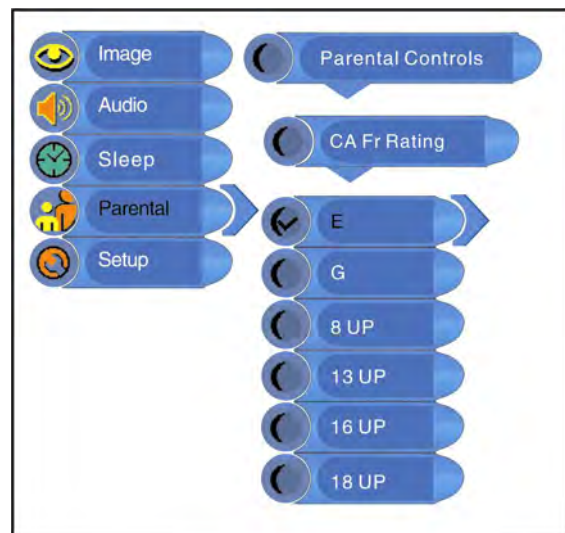
CA Eng Rating

Press the ▲▼ button to select **CA Eng Rating** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



CA Fr Rating

Press the ▲▼ button to select **CA Fr Rating** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



Parental Lock

Press the ▲▼ button to select **Parental Lock** and press the ENTER button to enter. Press the ▲▼

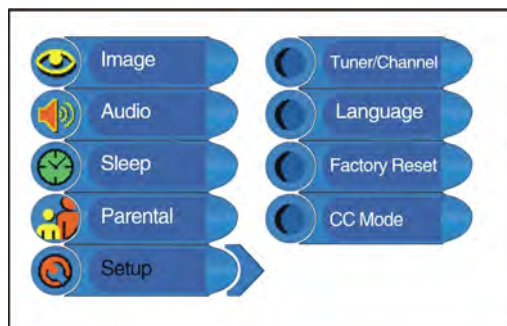
button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.

TV Setup and Operation

Setup Setting

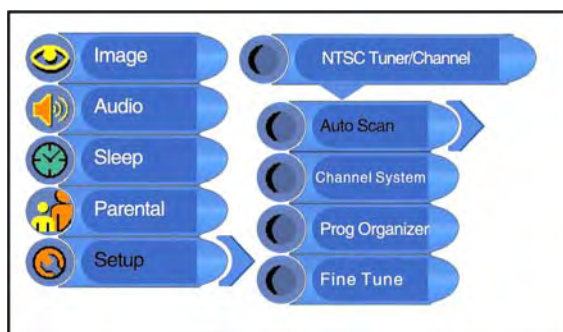
Press the MENU button once to enter the setup menu. Press the ▲▼ button to select **Setup** and press the ENTER button to enter the menu shown on the right.

In the **Setup** menu, press the ▲▼ button to select the desired item and press the ENTER button to enter. Press the MENU button to return to the previous menu.



Tuner/Channel

Press the ▲▼ button to select the **Tuner/Channel** and press the ENTER button to enter the menu as shown on the right. Press the ▲▼ button to select the desired item and press the ENTER button to enter. Press the MENU button to return to the previous menu.



Auto Scan

Press the ▲▼ button to select the **Auto Scan**, press the ENTER button to start auto scan. The screen will display as below:



Auto scan will take a few minutes. When the tuning operation completes the unit will exit and

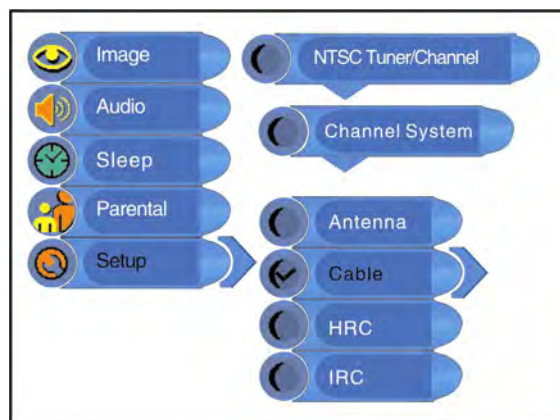
memorize the programs by sequence automatically.

During tuning, press the MENU button to exit the auto scan mode.

TV Setup and Operation

Channel System

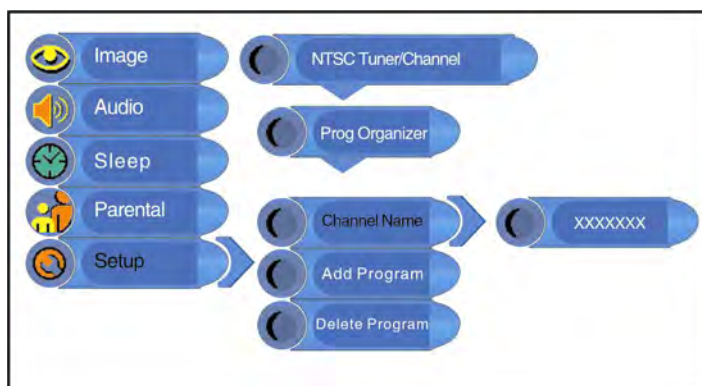
Press the ▲▼ button to select **Channel System** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



Prog Organizer

Press the ▲▼ button to select the **Prog Organizer** and press the ENTER button to enter the menu as shown on the right.

In the **Prog Organizer** setup menu, press the ▲▼ button to select the desired item. Press the MENU button to return to the previous menu.



Channel Name

Press the ▲▼ button to select the **Channel Name** and press the ENTER button to enter. Then press the ▲▼ button to select letters or press the number button to input numbers. Press the MENU button to return to the previous menu.

Add Program

Press the ▲▼ button to select the **Add Program** and press the ENTER button to activate the skip function which when using the CH ▲▼ button to select channels under normal playback status, it will skip the current channel. Press the MENU button to return to the previous menu.

Delete Program

Press the ▲▼ button to select the **Delete Program** and press the ENTER button to cancel the skip

function which when using the CH ▲▼ button to select channels under normal playback status, it will play the channels in sequence. Press the MENU button to return to the previous menu.

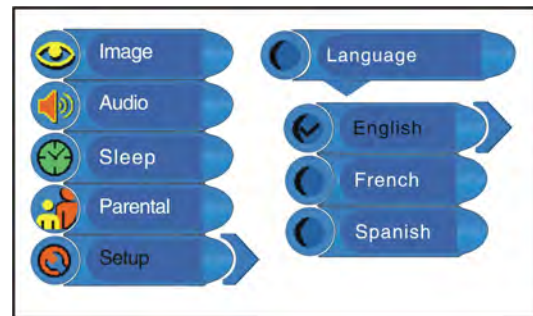
TV Setup and Operation

Fine Tune

If two black bars appear on the sides of your LCD screen and your picture is compressed, you may need to adjust the settings of your cable/satellite set-top box. For instructions on adjusting the picture, consult your cable/satellite set-top box's manual or call your local cable/satellite company.

Language

Press the ▲▼ button to select the **Language**, press the ENTER button to enter the setup, press the ▲▼ button to select item. Press the MENU button to return to the previous menu.

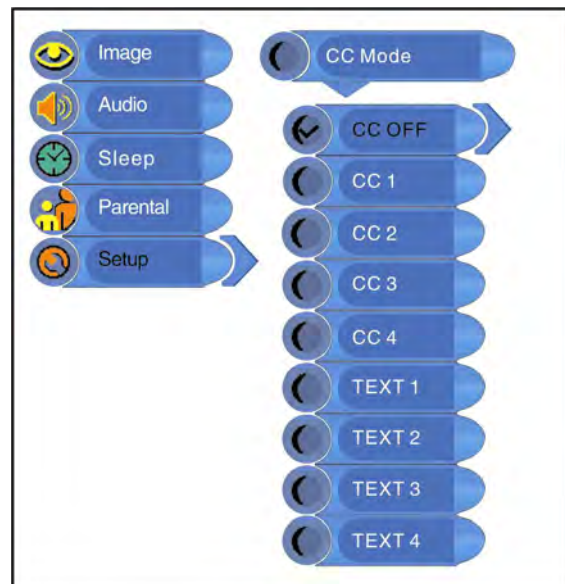


Factory Reset

Press the ▲▼ button to select the **Factory Reset**, press the ENTER button to resume default status.

CC Mode

Press the ▲▼ button to select **CC Mode** and press the ENTER button to enter. Press the ▲▼ button to select the desired item and press the ENTER button to confirm your selection. Press the MENU button to return to the previous menu.



Other Function

External AV Input Function

The unit has external AV input function. It supports Composite, S-VIDEO and Component modes. Use the audio, video and S-Video cable to connect the unit to the external AV signal source such as recorder, satellite receiver or game player etc. Turn on the unit and the external AV signal source. Press the SOURCE button to shift to the corresponding mode: Composite, S-VIDEO or Component. This will allow you to enter the Setup Menu of that mode.

Computer Screen Function

The TFT LCD screen of the unit can be used as the computer screen. Take the steps of connecting the unit to the PC and then you can set up the menu.

Set the PC's resolution at: 800 x 600 @60Hz.

The operations of these menus in Composite, S-VIDEO, Component and VGA modes are the same with those in the TV mode. Please refer to the introduction in “TV Function”.

Note: Some of these menus are not available in these modes.

Troubleshooting

SYMPTOM	CHECK ITEM
There is no sound.	Make sure system connection is correct. Make sure the speakers are not muted. In the TV mode, set the correct sound mode.
Nothing display on the LCD. LCD screen is blank.	Make sure the unit is turned on and the connections are correct. Make sure the power adapter is correctly connected.
There is no picture or picture moves up and down.	Check if the connections with the external AV signal source are correct. Correctly set the items in the picture menu. Check to see if the video type input signal is correct. Make sure the unit is turned on and in correct video type.
The remote control does not work.	Make sure there are no obstructions between the remote control and the player. Make sure the remote control is pointing at the player. Make sure batteries are inserted and the polarity is correct. Make sure battery is not weak.

Other Notes:

Static or other external interference may cause the LCD TV to behave abnormally. If this occurs, unplug the power supply cord from the outlet and plug it in again to reset the player. If the problems persist, please disconnect the power and consult a qualified technician.

Specifications

TFT-LCD Resolution	800 x 600
TFT-LCD Screen Size	20 inches
Power	AC100~240V 50/60Hz DC 12V 5A
Power Consumption	< 60W
Dimension	490mm x478mm x184mm (LXWxD)
Weight	About 9.52 Kg
Ambient Temperature	10~45

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