digimate

32" HD Ready LCD TV

DGL32

User's Manual

IMPORTANT SAFEGUARDS

1. READ INSTRUCTIONS
All the safety and operating instructions should be read before the unit is operated.
2. RETAIN INSTRUCTIONS
The safety and operating instructions should be retained for future reference.
3. HEED WARNINGS
All warnings on the unit and in the operating instructions should be adhered to.
4. FOLLOW INSTRUCTIONS
All operating and use instructions should be followed.
5. CLEANING
Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning the exterior cabinet only.
6. ATTACHMENTS
The manufacturer of this unit does not make any recommendations for attachments, as they may cause hazards.
7. WATER AND MOISTURE
Do not use this unit near water. For example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
8. ACCESSORIES
Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury, and serious damage to the unit.
8A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

9. VENTILATION
Slots and openings in the cabinet back or bottom are provided for ventilation, and to ensure reliable operation of the unit, and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. This unit should never be placed near or over a radiator or heat source. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

PORTABLE CART WARNING
(symbol provided by RETAC)

S3126A

10. POWER SOURCES

This unit should be operated only from the type of power source indicated on the rating plate. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For units intended to operate from battery power, or other sources, refer to the operating instructions.

11. GROUNDING OR POLARIZATION

This unit is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug, if your unit is equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This too, is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.

12. POWER-CORD PROTECTION

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

13. LIGHTNING

To protect your unit from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.

14. POWER LINES

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such

power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.

15. OVERLOADING

Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.

16. OBJECT AND LIQUID ENTRY

Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.

17. OUTDOOR ANTENNA GROUNDING

If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code, ANSI/NFPA 70, 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 conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

18. SERVICING

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

19. DAMAGE REQUIRING SERVICE

Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
a. When the power-supply cord or plug is damaged.
b. If liquid has been spilled, or objects have fallen into the unit.
c. If the unit has been exposed to rain or water.
d. If the unit does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the unit to its normal operation.
e. If the unit has been dropped or the cabinet has been damaged.
f. When the unit exhibits a distinct change in performance, this indicates a need for service.

20. REPLACEMENT PARTS

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
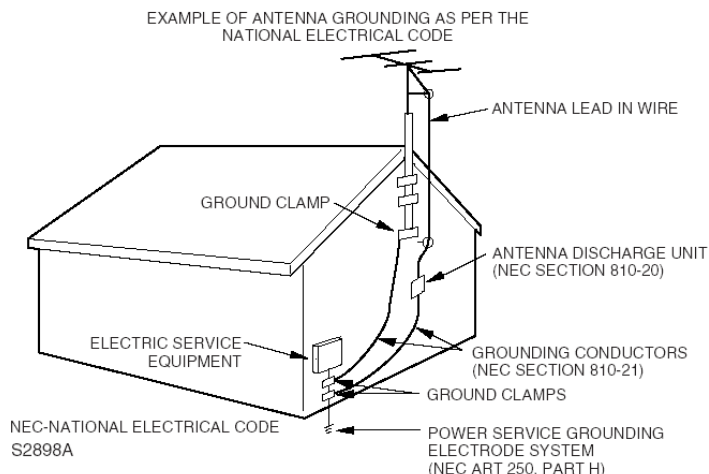
21. SAFETY CHECK

Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

22. HEAT

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

23. NOTE TO 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 THE
NATIONAL ELECTRICAL CODE

ANTENNA LEAD IN WIRE

GROUND CLAMP

ANTENNA DISCHARGE UNIT
(NEC SECTION 810-20)

ELECTRIC SERVICE
EQUIPMENT

GROUNDING CONDUCTORS
(NEC SECTION 810-21)

GROUND CLAMPS

NEC-NATIONAL ELECTRICAL CODE
S2898A

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

✋Warning! Important

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.

TO PREVENT POSSIBLE DANGER, ELECTRIC SHOCK, AND OTHER INJURIES WHEN HANDLING YOUR DISPLAY, PLEASE BE AWARE ALL WARNINGS AND SAFETY PRECAUTIONS CONTAINED AS BELOW.

Never Insert anything into DISPLAY!!

➢ Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

➢ Never spill liquid of any kind on the Display。

Do not attempt to service the DISPLAY yourself!!

➢ Opening or removing covers may expose you to dangerous voltages and other hazards. Refer all servicing to qualified service personnel.

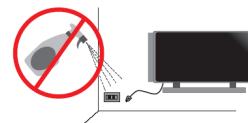Do not touch your DISPLAY and antenna during thunderstorms!!

Unplug the Display during thunderstorms or if it is not going to be used for an extended period.

➢ Failure to do so may result in electric shock or fire.

⚠ **ATTENTION!!**

➢ Unplug the DISPLAY from the wall socket before cleaning.

➢ Use a damp cloth for cleaning.

➢ Do not use liquid or aerosol cleaners.

Well ventilation is required!!

To ensure reliable operation of the product and to protect it from overheating, the ventilation must not be blocked or covered.

➢ The display should be no less than 4 inches from the wall, and always keep the vent clean.

➢ Do not place your DISPLAY in a cramped and inadequately ventilated place.

➢ Avoid placing your DISPLAY upside down at any time.
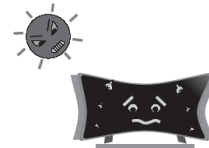
Note:

1. Read all safety and operating instructions before operating your new Display. To ensure good ventilation, a distance of more than 4" shall be maintained between the Display and any other furniture.

2. The operating temperature for this Display is 5 ~ 35 ˚C, storage temperature is 0 ~ 60 ˚C。

CONFORMITY AND COMPLIANCE

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This device 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 device does cause harmful interference to radio or television reception (this can be determined by turning, the device off and on), you are encouraged to try to correct the interference by one or more of the following measures:

    *Reorient or relocate the receiving antenna.
    *Increase the separation between the equipment and the receiver.
    *Connect the equipment into an outlet on a circuit different from that to which the receiver is
      connected.
    *Consult the dealer or an experienced radio/TV technician for help.

Caution:
To comply with the limits for an FCC Class B computing device, you should use the shielded signal cord and power cord supplied with this unit. The Federal Communication Commission warns that changes or modifications of the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radio Frequency Interference Statement

Warning:
This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Canadian Doc Notice

For Class B Computing Devices

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulation of the Canadian Department of Communications.

CE MARKING DECLARATION OF CONFORMITY

The LCD display complies with the requirements of related European standards, which include:
● Emission: EN 55022, EN 61000-3-2, EN-61000-3-3
● Immunity: EN 50082-1
● Safety: EN 60950 Low-Voltage Directive (73/23/EEC)

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Introduction

Congratulations on the purchase of your LCD TV. This handbook has been designed to help you install and operate your display. We would recommend reading it thoroughly.

Table of contents

Features

- Support WXGA resolution up to 1366x768 pixels
- Wide viewing angle
- VESA DPMS-compliant power saving: automatically powers down the monitor after a defined period of inactivity
- Digital Character Smoothing
- Analog TV tuner
- Windows 95/98/2000/XP Plug & Play Compliant
- Versatile, User friendly OSD
- Plug & Play: Conform to the VESA standards and support DDC 2B spec.

Standard Accessories

Unpacking and Checking Package Contents

- Before unpacking your LCD Display, prepare a stable, level, and clean surface near a wall outlet for your LCD Display.
- Set the LCD Display box in an upright position and open from the top of the box before removing the top cushion.

Accessories

1 pc	1 pc	1 pair	1 pc
User's Manual	Remote Controller	Batteries	Antenna Adapter

1 pc	1 pc	1 pc
VGA Cable	Power Cord	Audio Cable

Power source required:
AC 100 ~ 240 V (3.5A), 50 / 60 Hz

ANTENNA CONNECTIONS

If you are using an indoor or outdoor antenna, follow the instructions below that correspond to your antenna system. If you are using a cable TV (CATV) see "CABLE TV CONNECTIONS".

Combination VHF/UHF Antenna (Single 75 Ohm cable or twin-lead wire)   **300 Ohm**

Connect the 75 Ohm cable from the combination VHF/UHF antenna to the Antenna Jack.

If your combination VHF/UHF antenna has a 300 Ohm twin-lead wire, the use of the 300-75 Ohm Matching Transformer may be necessary. Connect the VHF 75 Ohms cable and UHF 300 Ohm.

CABLE TV CONNECTIONS

This TV has an extended tuning range and can tune most cable channels without using a Cable TV converter box. Some cable companies offer "premium pay channels" in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device which is generally provided by the cable company.

FOR SUBSCRIBERS TO BASIC CABLE TV SERVICE
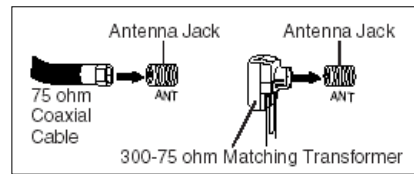
For basic cable service not requiring a Converter Descrambler box, connect the CATV 75 Ohm Coaxial Cable directly to the Antenna Jack on the side of the TV.
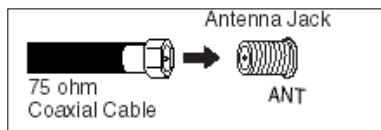
FOR SUBSCRIBERS TO SCRAMBLED CABLE TV SERVICE

If you subscribe to a cable TV service which requires the use of a Converter/Descrambler box, connect the incoming 75 Ohm Coaxial Cable to the Converter/Descrambler box. Using another 75 Ohm coaxial cable, connect the output jack of the Converter/Descrambler box to the Antenna Jack on the TV. Set the TV to the output channel of the Converter/Descrambler box (usually channel 3 or 4) and use the Converter/Descrambler box to select channels.
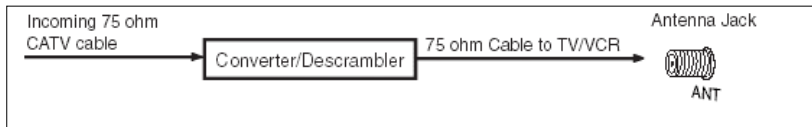
Location of Controls
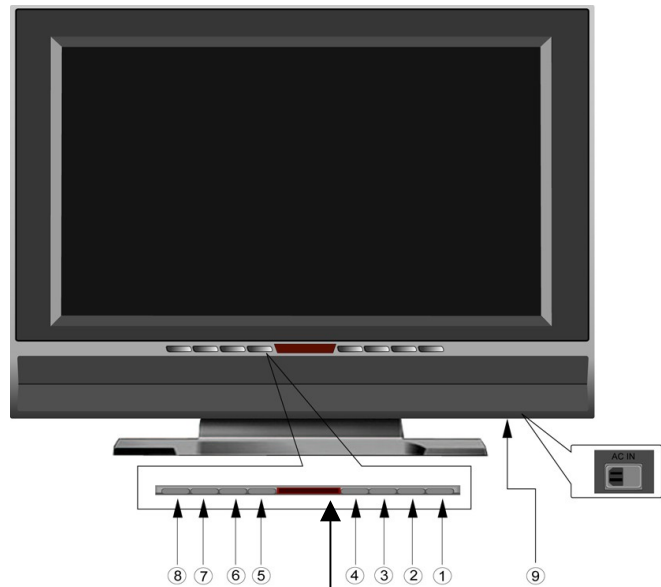
Operating the monitor

Front Panel Buttons：

Multicolor LED indicator illuminates in Green for operating PC monitor and TV system, Red when Power plug in (Standby).

① POWER：Press to active the Display On and Off (Standby).

② SOURCE：Press to display all of the available input sources.

③ MENU：Press to see OSD menu of your TV's adjustments / selections.

④ ENTER**:** Press to confirm selection / adjustment.

⑤,⑥ CH▼/▲： Press to select the channel or select items in OSD menu.

⑦,⑧ VOL►/◄：Press to adjust the volume, select OSD items and adjust the menu items.

⑨ MAIN POWER SWITCH (Rear Panel): Set to on (—) to power up unit.

REAR PANEL JACKS

Side View

1	**Y1Cb1Cr1**	Connecting to the Video component1 output terminal of the video output device.
2	**Y1Cb1Cr1 Audio**	Audio input terminal connecting to the audio output terminal of the video output device.
3	**Y2Pb2Pr2**	Connecting to the Video component2 output terminal of the video output device.
4	**Y2Pb2Pr2 Audio**	Audio input terminal connecting to the audio output terminal of the video output device.
5	**S-video**	Y/C S-video input terminal connecting to the S-output terminal of the video output device.
6	**S-video Audio**	Audio input terminal connecting to the audio output terminal of the video output device.
7	**Sub-woofer**	Connects the sub-woofer audio.
8	**Video out**	Video output terminal connecting to the input terminal of the video input device. *(The video output sources are only AV1, AV2, AV3 and TV)*
9	**Audio out**	Audio output terminal connecting to the input terminal of the audio input device. *(The audio output sources are AV1, AV2, AV3 and TV)*
10	**AV 1 in**	To connect the AV1 source.
11	**AV 1 audio in**	To connect the audio out of AV1 source.
12	**AV 2 in**	To connect the AV2 source.
13	**AV 2 audio in**	To connect the audio out of AV2 source.
14	**AV 3 audio in**	To connect the audio out of AV3 source.
15	**AV 3 in**	To connect the AV3 source.
16	**Headphone**	To connect to headphone.

Bottom view

1	**PC Audio**	Connect this terminal to the sound output terminal of your PC or Notebook.
2	**ANT**	Connect the coaxial cable or antenna.
3	**D-sub**	Connects to D-sub 15 pin analog output connector of the PC display card.
4	**DVI for PC**	Connects to DVI digital output connector of the PC display card.
5	**AC in**	Connect this terminal to the power cord supplied with Display, and a switch is attached to turn on /off the power of unit.

DVD

CAM

GAME

Use Y1Cb1Cr1/Y2Pb2Pr2, AV, or S-video to connect the VCR, DVD or the Video Game.

ANT

Using ANT. Adapter included

Connect the cable or antenna

Connect the power supply

Audio cable connects to PC audio
VGA cable connects to VGA card.
DVI cable connects to DVI card (if DVI cable is available)

Remote Control

| TV Function		
1	POWER	Power On/Off
2	TV	Switch source to TV mode.
3	SOURCE	Select main input source: TV→VGA →DVI→S-VIDEO →AV1→AV2→ AV3 →COMPONENT 1→COMPONENT 2
4	Number keys	Select channel by numbers.
5	DISPLAY	Display current information.
6	MUTE	Turn speaker On or Off.
7	MTS	Select the TV audio mode: MONO-> STEREO-> SAP.
8	SOUND	Select the sound mode: Off-> SRS WOW-> BBE
9	PICTURE	Adjust display color: Soft->Standard->Cool->Define
10	SLEEP	Set the Timer to turn off the set. (OFF, 10, 20, 30, 60, 90, 120 Min)
11	Enter	Confirms the channel after you select channel by number.
12	Recall	Return to previous channel.
13	MENU	Press to enter OSD menu.
14	CH ▼/▲	Select channel.
15	ZOOM	Resize from 4:3 to Full screen or Full to 4:3 screen.
16	VOL◄/►	Control the volume Up or Down.
17	PIP	Select the PIP function.
18	Source	Select the sub-screen's source.
19	Position	Adjust the PIP position.
20	Freeze	Freeze the PIP main screen.
21	Swap	Switch the picture of main screen to sub-screen.
22	ENTER	Confirm the adjustment or the selected item.
23	C.C.	Turn C.C. function On and Off. (U.S. area only)
24	V-Chip	Turn V-Chip mode On and Off. (U.S. area only)
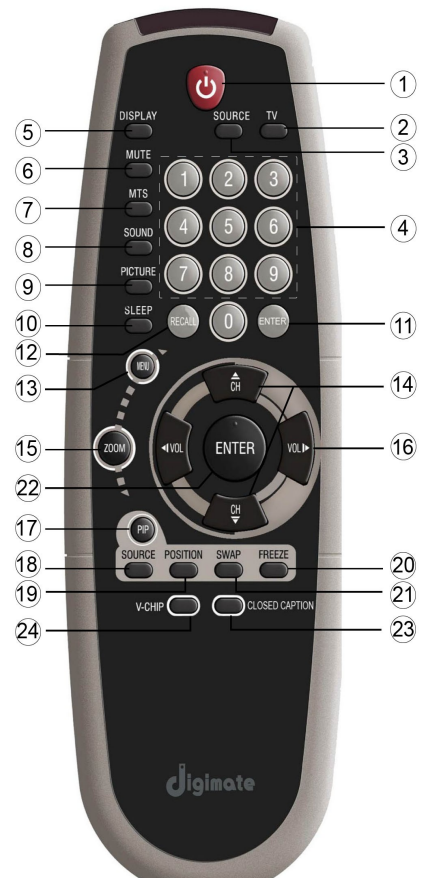
REMOTE CONTROL

BATTERY INSTALLATION
Slide the battery compartment cover.
Install two "AAA" batteries (supplied), paying close attention to the + / - polarity diagram in the battery compartment.
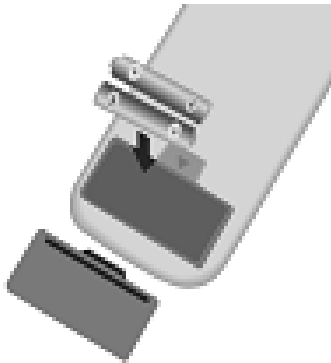
Replace the compartment cover.

BATTERY PRECAUTIONS
The precautions below should be followed when using batteries in this device:

1 Use only the size and type of batteries specified.

2 Be sure to follow the correct polarity when installing the batteries as indicated in the battery compartment. Reversed batteries may cause damage to the device.

3 Do not mix different types of batteries together (e.g. Alkaline and Carbon-zinc) or old batteries with fresh ones.

4 If the device is not to be used for a long period of time, remove the batteries to prevent damage or injury from possible battery leakage.

5 Do not try to recharge batteries not intended to be recharged; they can overheat and rupture (Follow battery manufacturer's directions).

EFFECTIVE DISTANCE OF THE REMOTE CONTROL
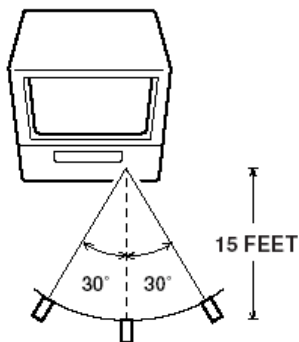
NOTES:
• When there is an obstacle between the TV and the remote control, the remote control may not operate.
• When direct sunlight, an incandescent lamp, fluorescent lamp or any other strong light shines on the Remote sensor of the TV, the remote operation may be unstable.

POWER SOURCE
Use the AC line cord provided for operation on AC. Insert the AC cord plug into a standard 120V 60Hz grounded AC outlet.

NOTES:
• Never connect the AC line cord plug to anything other than the specified voltage (120V 60Hz). Use the attached power cord only. • If the polarized AC cord does not fit into a grounded non polarized AC outlet, do not attempt to file or cut the blade. It is the user's responsibility to have an electrician replace the obsolete outlet.
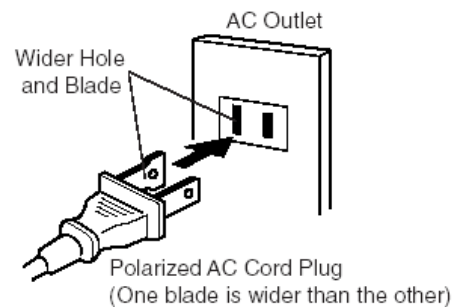
Installing your Display

Step 1. Positioning the display set

Place your Display set on a solid stable surface.
Do not expose the display to water, or a heat
source. Do not obstruct the ventilation grid at rear.
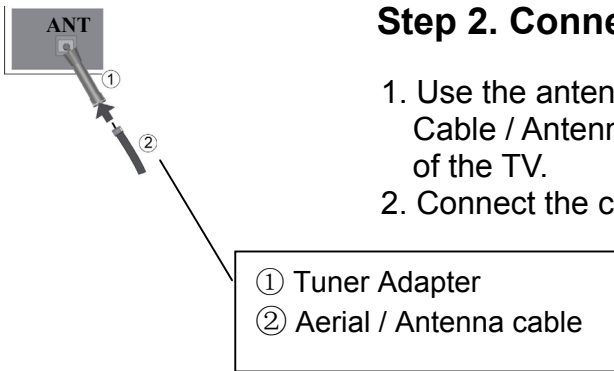
Step 2. Connecting the aerials (Antenna)

1. Use the antenna adapter (included) to connect the
   Cable / Antenna to TV tuner socket situated at the side
   of the TV.
2. Connect the cable to TV.

① Tuner Adapter
② Aerial / Antenna cable
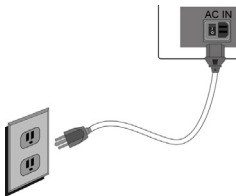
Step 3. Power supply connections

Insert the power cord plug into the wall socket. And then
turn on the power switch.

Step 4. Remote control

Insert the two AAA/UM4-type batteries
supplied, making sure the +/- polarities are
properly aligned.

SET UP

If TV is connected to an antenna, you'll need to set a few important items in the menu system the first time you turn on your Display.

Auto scan:

This part of the setup allows the TV tuner to search for all channels viewable though your antenna or cable TV system (when there is no cable box connected).
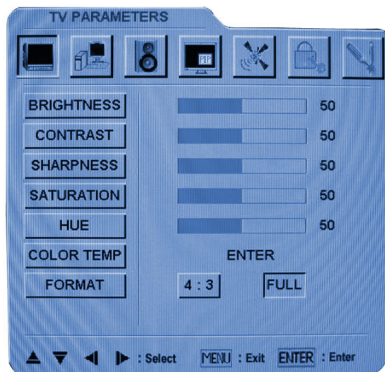
- Press "MENU" on Remote or TV's front panel to view OSD- "TV Parameters".
- Press ▶ button 3 times to highlight the fifth item "Channel Settings".
- Press "ENTER" to select "SYSTEM" and select system (Antenna/Cable), then confirm with "ENTER".
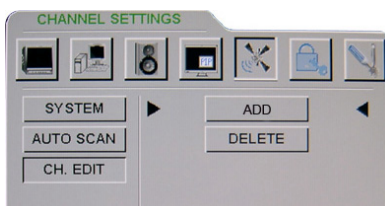- Select "AUTO SCAN" and select "YES" to begin the auto channel search.

(Press "MENU" at anytime to stop auto scan function)
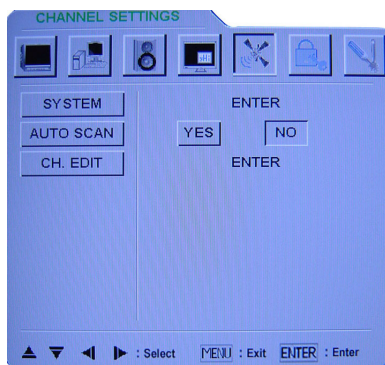
Ch. Edit (Channel Edit):

While in the "CHANNEL SETTINGS" select "CH. EDIT" to add additional receivable channels and erase unwanted channels during Up/Down tuning.

Basic Operation

Power On/Off

Press the "POWER" key to turn ON the Display. The power indicator changes from red to green. When the power is OFF (stand by), the power indicator changes from green to red.

Source select

Press "SOURCE" button to select the input signal. Each time the source button is pressed, the on-screen display will cycle between:

TV → VGA → DVI → S-VIDEO → AV1

Component2 (Y2Pb2Pr2) ← Component1 (Y1Cb1Cr1) ← AV3 ← AV2 ←
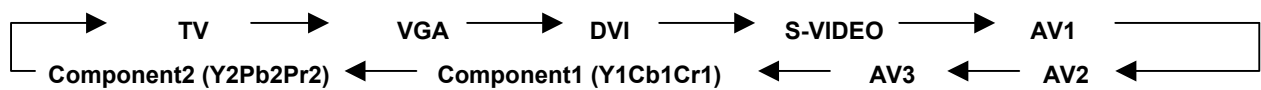
TV Button

Press TV button to directly switch to TV mode without using the source key to select.

Adjusting the volume

Press ▶ on the remote controller or front panel to increase the volume.
Press ◀ to decrease the volume.

Channel select

Press ▲ on the remote controller or front panel to change to the next channel.
Press ▼ to change to the previous channel or you can select a channel number and press "Enter" select to the select channel directly.

Menu On/Off

Press "MENU" key to display the menu (OSD) On/Off.
Use ▼/▲ to select the item on the main menu.
Press "ENTER" to select the submenu and press ◀/▶ to adjust the setting.

OSD MENU DESCRIPTION

To access MENU navigate and make adjustments, use MENU, ▲CH, ▼CH, ◄VOL, ► VOL and ENTER.

• Pressing "MENU" display and the OSD menu. Use ▲CH / ▼CH on the remote controller to scroll the options on the menu.
• Press "ENTER" button to enter sub menu.
• Use◄/► to adjust settings.
• Press "ENTER" to confirm desired settings.
• Press "MENU" to exit the current OSD menu.

Main Menu:
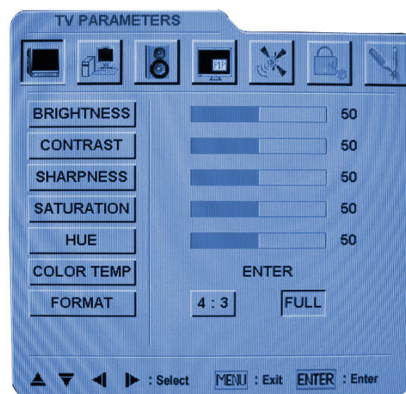
There are seven SUB-MENUS in the main OSD Menu;
1.TV PARAMETERS; 2.PC PARAMETERS; 3.AUDIO SETTINGS; 4.Picture-In-Picture; 5.CHANNEL SETTINGS; 6.PARENTAL CONTROLS; 7.GENERAL SETTINGS.

In TV mode – Press MENU
Use ◄/► buttons to select: TV Parameters, Audio setting, Picture-In-Picture, Channel settings, Parental controls, and General settings.
Note: In TV mode, "PC Parameters" can not be selected.

In Video mode (S-VIDEO, AV1 ,AV2, AV3, COMPONENT1(Y1Cb1Cr1) , COMPONENT2(Y2Pb2Pr2))
Press "MENU" button, Main menu will be displayed on the screen (see figure above).
Use ◄/► buttons to select the submenu: TV Parameters, Audio setting, Picture-In-Picture, and General Settings.
Note: 1. In this mode, "Channel settings" can not be selected.
2. For devices with 480p, 720p or 1080i output, please connect them to Component2 jacks to get the ideal resolution and picture quality.

In PC mode (DVI, VGA)
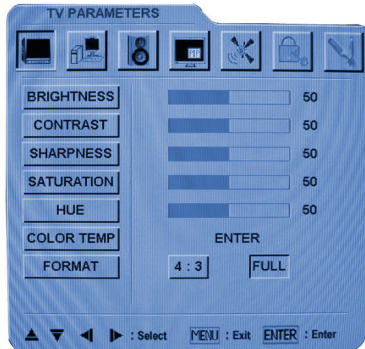Press "MENU" button, Main menu will be displayed on the screen (see figure above).
Use ◄/► buttons to select the submenu: Audio settings, Picture-In-Picture and General settings.

Note: In this mode, "TV Parameters" and "Channel settings" can not be selected.
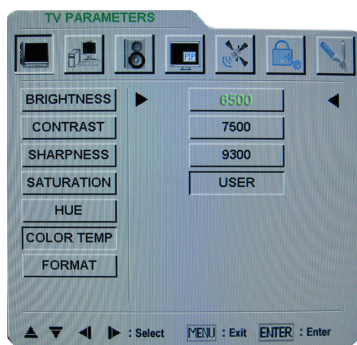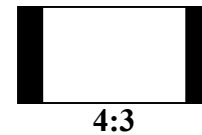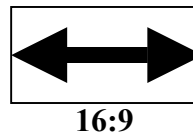
TV/PC Parameters

TV Parameters

Press "MENU" and make sure "TV Parameters" appears on the screen.

Adjusting the TV setting:

- **Brightness:** Alters the brightness of the image.
- **Contrast:** Alters the ratio of light to darkness.
- **Sharpness:** Adjusts the sharpness of the color.
- **Saturation:** Alters the color saturation.
- **Hue:** Alters the color intensity.
- **Color temp:** Adjusts the color temperature of the picture. Three options are available here: 6500, 7500, 9300, and USERS.
- **Format:** Two options are available here: Full screen (16:9), and 4:3.

**16:9**   **4:3**

← **Color Temp.**

PC parameters
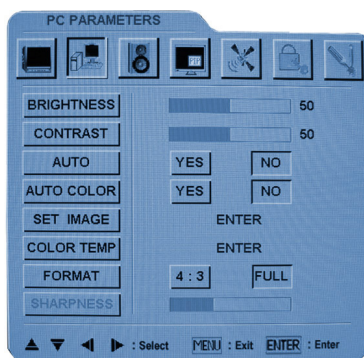
Adjusting the picture setting:

- **Brightness:** Alters the brightness of the image.
- **Contrast:** Alters the variation between light and darkness.
- **Auto:** Auto adjusts the position of the image.
- **Auto color:** Auto adjusts the color balance.

Note: "AUTO COLOR" function is only available in "VGA" and "Component 2" input sources. By accessing "ALL RESET" function in "General Settings" , the color will return to the factory default setting.

Set Image:
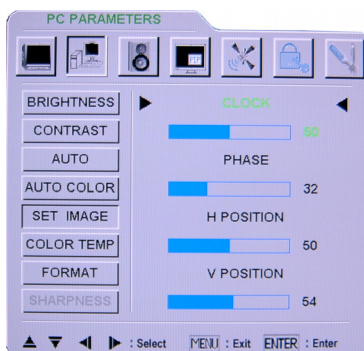
- **Clock:** Adjusts the clock frequency.
- **Phase:** Adjusts the phase frequency.
- **H-Position & V-Position:** Adjusts the horizontal and the vertical position of the image.
- **Color Temp.:** Adjusts the color temperature of the picture.
- **Format:** Two options are available here: Full screen (16: 9), and 4:3.

16

Audio Settings

Press "MENU" and press ▶ to make sure the "AUDIO SETTINGS" is displayed on the screen.

✎ In TV, Video, and PC modes

MTS (For TV mode only):
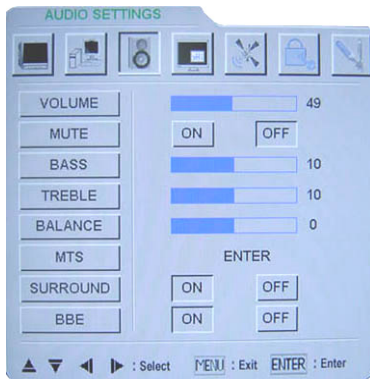
Adjusting the audio setting:

- **Volume:** This will adjust the level of volume.
- **Mute:** Mutes the sound
- **Bass:** This will adjust the level of low frequency content in the sound. *(enabled only for BBE or SRS WOW feature is off)*
- **Treble:** This will adjust the level of high frequency content in the sound. *(enabled only for BBE or SRS WOW feature is off)*
- **Balance:** This will adjust the output of the R/L speakers to obtain the best stereo reproduction.
- **MTS:** This will select the TV audio system. Three options available: **Mono, Stereo, SAP**.
- **Surround:** This will select the modes for SRS WOW sound effect.
- **BBE**: This can improve clarity of sound and speech Legibility.
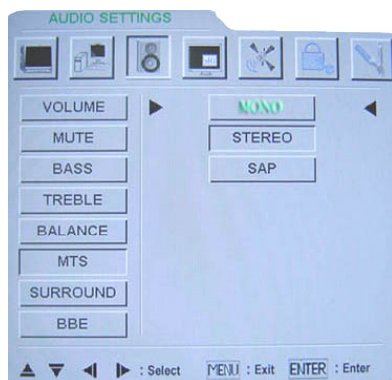
Picture-In-Picture

PIP function:

With PIP function you can watch a multi-screen on the Display at the same time.

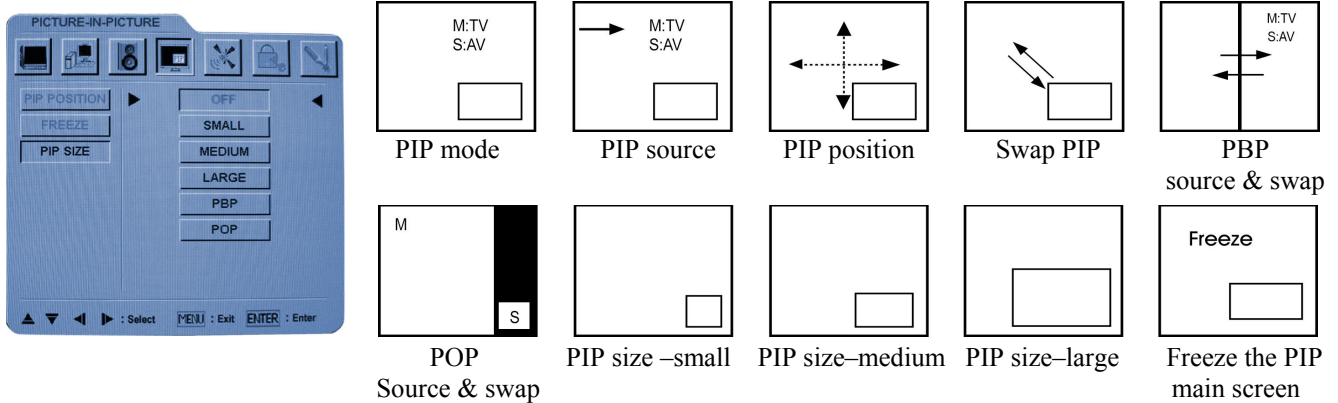| PIP	To start the PIP function. Off->PIP(Small) ->PIP(Medium) ->PIP(Large)-> PBP -> POP
SOURCE	To select the sub screen's source. (see the PIP structure below)
POSITION	To adjust the PIP position.
SWAP	To switch the picture of main screen to sub screen.
Freeze	To freeze the PIP main screen.

[Basic function]

You can control PIP function easily by remote control.

PIP mode   PIP source   PIP position   Swap PIP   PBP source & swap

POP Source & swap   PIP size –small   PIP size–medium   PIP size–large   Freeze the PIP main screen

Note: 1. M: main screen; S: sub-screen
2. The submenu of PIP position can be used to control the position of sub-screen.
3. The control of "SOURCE" for sub-screen, "SWAP", and "FREEZE" for main-screen can be enabled via the key- "SOURCE", "SWAP" and "FREEZE" separately.

PIP structure

PIP		Main Screen								
		TV	AV1	AV2	AV3	S-Video	Component1 (Y1Cb1Cr1)	Component2 (Y2Pb2Pr2)	VGA	DVI
Sub-Screen	TV							●	●	●
	AV1							●	●	●
	AV2							●	●	●
	AV3							●	●	●
	S-Video							●	●	●
	Component1 (Y1Cb1Cr1)								●	●
	Component2 (Y2Pb2Pr2)	●	●	●	●	●				●
	VGA	●	●	●	●	●	●			●
	DVI	●	●	●	●	●	●	●	●	

General Settings

Press "MENU" and press ▶ to make sure "GENERAL SETTINGS" appears on the screen.

In TV, Video, and PC modes

Adjusting the general setting:
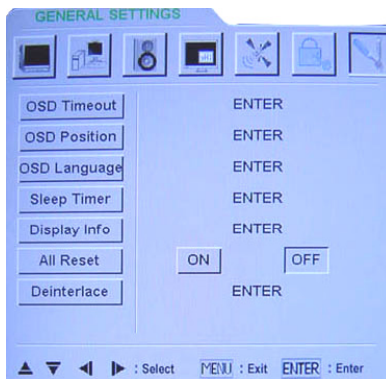
- **OSD Timeout:** Adjusts the OSD disappearing time without taking any action. Press ◄/▶ to increase or decrease the time. Timeout range: 10, 20, and 30 sec.
- **OSD Position:** Adjusts the horizontal and vertical position of the OSD on the screen.
- **OSD Language:** English, French, Spanish are available.
- **Display Info. :** Shows the Display information on the screen.
- **All Reset:** Resets to the factory default settings.

• Sleep Timer:
With sleep timer you can set a time period after which the TV automatically switches to standby. The counter runs from OFF to 120 Min. You can easily set up the "Sleep Timer" on the OSD.
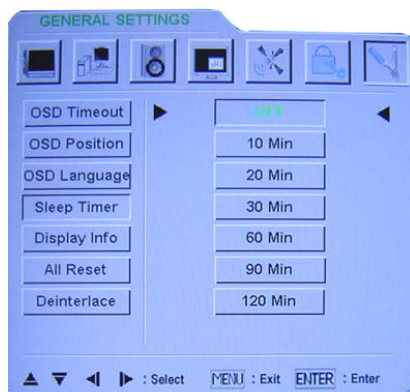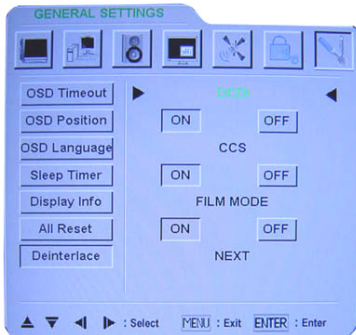

1. Press MENU then press ▶ to make sure the "GENERAL SETTINGS" "sub-menu" is shown on the screen.
2. Press "ENTER".
3. Use ◄/▶ to adjust the settings.
4. Press "ENTER" to confirm the setting.
5. Press Menu to exit the current OSD page.

General Settings

Deinterlace:
Note: Only available in AV, S-Video, TV1, Component1 input sources.

DCDI: This function produce smooth and natural images
Without staircasing or jaggies .
CCS: This function (CCS) removes "false color" artifacts.
FILM Mode: This function produces artifact-free images by
proper handling of 3:2 and 2:2 pulldown materials.

Motion:
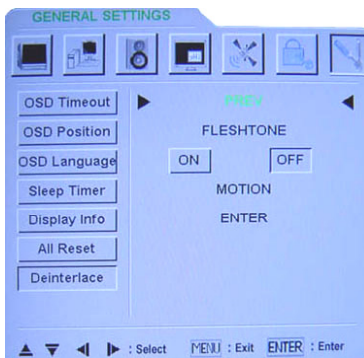
Fleshtone: This function can adjust the figure's skin color to the better
Motion: There are three levels: Small, Medium, and Large. **Small** ➔ Slight adjustment;
Medium ➔ Medium adjustment; **Large** ➔ Maximum adjustment.

Note: VGA, DVI, Component2 input sources can not access Deinterlace control.

Parental Controls

Closed caption:

Closed caption is a system which allows you to read the voice content of television programs on the TV screen to help the hearing impaired. This feature uses onscreen text boxes to show conversation and dialogue while the program is progress. Usually C.C. 1 is the most used. C.C. 2 may be used for alternate languages. Text function usually used for channel guide, schedules, bulletin board information for Closed Caption programs.

CC Control:

Using remote control:

Press "C.C." key on the remote control to display the closed caption OSD will show on the screen.

Using menu:

Closed Caption setting can also be accessed using the main menu. Press MENU, select "TV Setup", "Closed Caption".
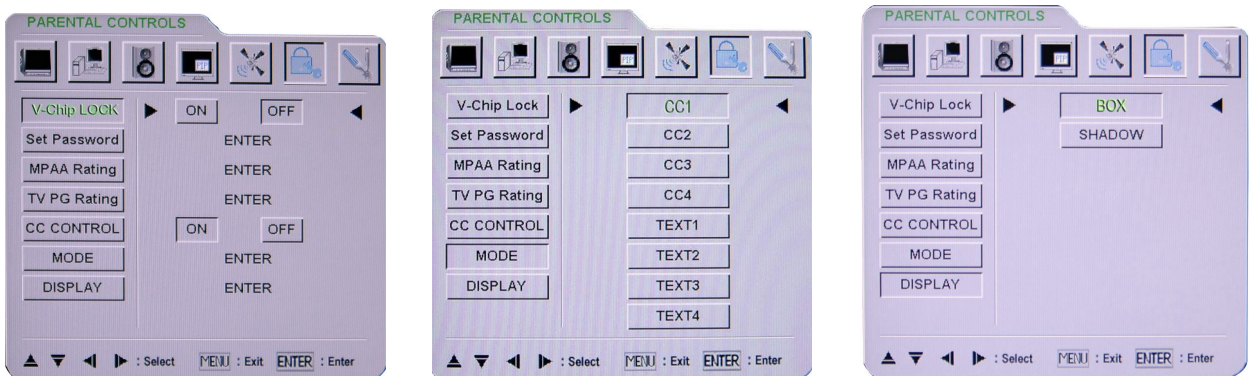
Caption mode - BOX example.	Text mode - BOX example: The TV screen will be blocked.	Caption mode - Shadow example.	Text mode - Shadow example: The TV screen will be blocked.
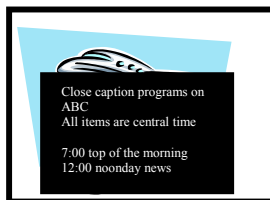
Note: 1. Not all the programs, videos and commercials are broadcast with closed caption.
   2. Closed Caption function is not available in the Video mode of Component 2.

Parental Controls

V-chip:

The V-chip feature automatically blocks TV programs and movies based on violence, sex, or other content you may believe inappropriate for children. Once you block programs, you can unblock by entering a password.

Use remote control:

1. Press "V-Chip" key on the remote controller and the V-Chip OSD will be displayed on the screen.
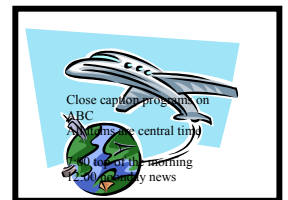2. Select the submenu: "Set Password", "MPAA Rating" & "TV PG Rating" for setting when V-Chip Lock is in the "OFF" mode. After finished setting up the sub menu, you must set the V-Chip Lock mode to "ON" to enable the V-Chip function.
3. To turn off the V-Chip function, select "OFF" and press "ENTER". User is requested to enter the four-digital password before entering V-Chip function. Once the password entered correctly, you can access the submenu.
   The default password is "1234".

Use menu:

Press "MENU" key and the main menu will be displayed on the screen. Selects "Parental Controls" to get to V-Chip OSD and get the access of its submenu.
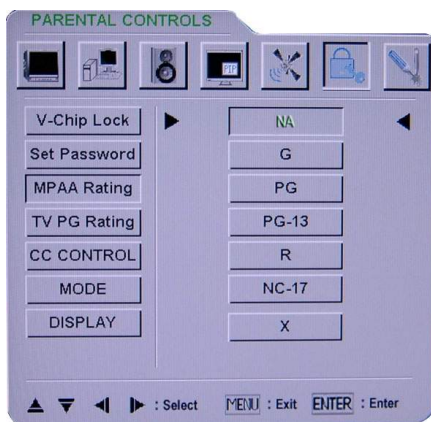
MPAA Rating	
None	Unblock
G	General audiences (All ages admitted)
PG	Parental guidance suggested.(Some material may not be suitable for children)
PG-13	Parents strongly cautioned.(Some material may be inappropriate for children under 13.)
R	Restricted.(Under 17 requires accompanying parent or adult guardian.
NC-17	No one 17 and under admitted.
X	Adults only. No one under 17 admitted.

V-Chip Lock:
Press "V-Chip Lock" to turn V-chip on and off.

MPAA rating:
V-chip MPAA rating, The MPAA rating system
uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. You can block the categories by the following steps, and If you have blocked the rating, you will receive a rating message on the screen when you select the blocked program.
- Please follow the instruction in page 11 to get to the V-chip menu.
- Select "MPAA" and confirm with "ENTER".
- Use ▼/▲ and enter to block the categories. Select "none" to unblock selected.
Ex: The V-Chip will automatically block certain categories that are "more restrictive".   If "R" category has been blocked, then NC-17 and X will automatically be blocked.

Parental Controls

TV PG Rating (Parental Guideline)
USA V-chip Rating System
V-chip reads the program's age-based rating. If you have blocked the rating, you will receive a rating message on the screen while you select the blocked program
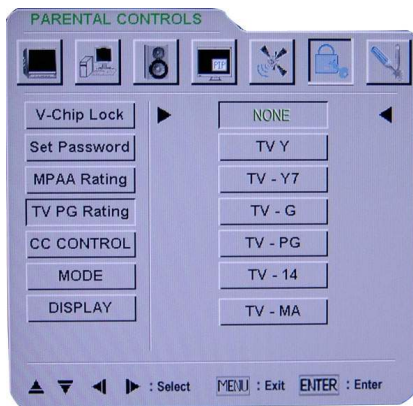
TV P.G. Rating		
None	Unblock	None
TV-Y	All children.	None
TV-7	Directed to children 7 years and older.	The rating of F. Violence can be blocked
TV-G	General audience.	None
TV-PG	Parental guidance suggested.	The rating of Violence, Sexual Contents, Foul
TV-14	Parents strongly cautioned.	Language or Suggestive Dialog can be blocked
TV-MA	Mature audience only.	The rating of Violence, Sexual Contents or Foul Language can be blocked

- Please follow the instruction on accessing the V-chip menu.
- Select "TV PG rating" and confirm with "ENTER", the default settings are all blocked.
- Use ▼/▲ and enter to block the categories. Select "none" to unblock selected.

Ex: The V-Chip will automatically block certain categories that are "more restrictive."   If "TV-14" category has been blocked, then "TV-MA" will automatically be blocked.

Note: V- chip function is not available in the Video mode of Component 2.

Troubleshooting

Perform the adjustments according to **Instruction Manual.** If the problem still exists, you cannot correct the problem, stop using the DISPLAY and contact your dealer or the nearest service center for further assistance.

SYMPTOMS	CHECK ITEMS
No picture a) Power indicator does not light up.	Make sure the power cord is firmly plugged in the socket.
	Make sure the power switch is turned on.
	Make sure the AC socket is OK.
	Check if the Remote control it may need new batteries
No picture b) Power indicator is green.	Make sure the DISPLAY is ON
	Check if the signal cable is properly connected.
	Increase the CONTRAST and/or BRIGHTNESS.
No Picture c) Power indicator is red.	The DISPLAY is on power saving mode, touch the keyboard or the mouse.
	Make sure the DISPLAY is ON.
	Make sure the signal cable is properly connected.
Unclear picture, Noise	Make sure the TV signal is received or cables are connected well.
No Sound	Make sure the audio cables are properly connected.
	Make sure the headphone is not connected.
	Make sure the "Mute" function is not set.
	If picture is received, adjust the TV system setting correctly.
Display is too dark or too bright.	Lower the contrast and brightness from OSD or input device.
Display is not in the center.	Adjust the image position using H-position or V-position in OSD. (PC mode only)
Display vibration.	Check if the power voltage is within the spec.
	Check if the signal cables are properly connected.
After-image remains after turns TV off	This is a characteristic of liquid crystal, that will not cause a malfunction and disappear after few minutes
Distorted image	Make sure the aspect ratio is set properly.
Purple image	Check if Proper signal type of "Component" setting is set.
Out of Range	Check if the input signal is acceptable for display.
Green, red, blue, white dots on screen	This is characteristic of liquid crystal. It will not cause a malfunction.
Remote control cannot work	Make sure battery's power is ok or wrong battery polarity orientation.
	Remove the obstacle between remote control and DISPLAY.
	Check if one of Key buttons is stuck to cause a malfunction.
	Note that the distance from DISPLAY should be less than 15 ft.
Lost password for parental control	1. User must select the submenu "Set Password" in "Parental Controls" menu from OSD and enter the master password: 3609. Then you can set a new password for confirmation. All old settings in "Parental Controls" menu will not be changed any more. 2. You can call service center for master password.

Supported Operation Mode

Supported Timing:

Display Mode			Analog / Digital	
			Horizontal Frequency	Vertical Frequency
VESA	VGA	640 x 480	31.5 KHz	60 Hz
			37.9 KHz	72 Hz
			37.5 KHz	75 Hz
			43.3 KHz	85 Hz
		720X400	37.9 KHz	85 Hz
	SVGA	800 x 600	35.1 KHz	56 Hz
			37.9 KHz	60 Hz
			48.1 KHz	72 Hz
			46.9 KHz	75 Hz
			53.7KHz	85 Hz
			48.4 KHz	60 Hz
			56.5 KHz	70 Hz
			60.0 KHz	75 Hz
			68.7KHz	85 Hz
	SXGA	1280 x 1024	80.0 KHz	75 Hz

Note: In PIP function, when selecting VGA or DVI input sources as sub-screen, SXGA timing can not be supported efficiently.

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