



AUDIOVOX®
ELECTRONICS CORP.

20" LCD TV

Operating Instructions

Model No. **FP2000**



For assistance, please call: 1-800-645-4994

Or visit us at WWW.AUDIOVOX.COM

Before connecting, operating or adjusting this product, please read these instructions completely.
Please keep this manual for future reference



For Customer Service
Visit Our Website At
www.audiovox.com
Product Information, Photos,
Downloads, etc.

AUDIOVOX® ELECTRONICS CORP.

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Important Safety Instructions



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
PREFER SERVICING TO QUALIFIED SERVICE
PERSONNEL



The Lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated **"DANGEROUS VOLTAGE"** within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

Federal Communication Commission Information (FCC)

This Equipment has been tested and found to comply with the limits for a TV Broadcast Receiver, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications if this equipment does cause or receive interference, which can be determined by turning equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the TV antenna
- Increase the separation between TV and other equipment
- Connect TV into separate outlet from equipment
- Consult the dealer or an experienced radio/TV technician for help

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Overview



General Description

This Audiovox product is a Color Active Matrix Liquid Crystal Display with an integral Cold Cathode Fluorescent Lamp (CCFL) backlight system. The matrix employs a Thin Film Transistor as the active element. This TFT-LCD has a 20.1 inch diagonally measured active display area with SVGA resolution (600 vertical by 800 horizontal pixel array). Each pixel is divided into Red, Green, and Blue sub-pixels which are arranged in vertical stripes. The color palette is capable of more than 16 million colors.

Important Information Regarding Use of Video Games, Computer, Captions or other Fixed Image Displays

The Extended use of a fixed image program material can cause permanent "Shadow Image" on the LCD Panel. The Background image is viewable on normal programs in the form of stationary fixed image. This type of irreversible LCD panel deterioration can be limited by observing the following steps:

Reduce the brightness/contrast setting to a minimum viewing level.

DO NOT display the fixed image for extended periods of time.

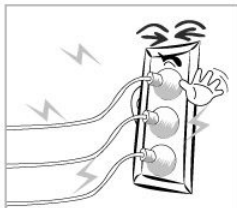
Turn the power off when not in actual use.

Recycling

This product utilizes tin-lead solder, and has a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact you local authorities, or the Electronics Industries Alliance:

Safety Cautions

Users are advised to read this user's guide before operating the product.



Do not step over or place objects on the electrical cord. Do not over load your electrical outlet.



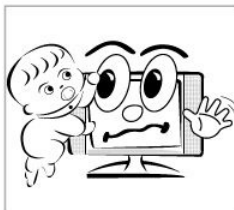
For safety reasons, do not touch any part of the TV, electrical cord, TV antenna or cable during bad weather and thunderstorms.



To avoid short circuit, electrical shock or fire; keep this product indoors and away from rain and other forms of liquid.



Be sure that the AC plug is disconnected from the outlet before performing any kind of maintenance. When cleaning the TV, do not use liquid chemical cleaners or water sprays. Use a damp cloth to wipe out the dust.



For safety reasons, this product must be placed on firm and stable surface at all times. Unstable surface will cause product to fall thus damaging the product and causing harm to those near it.



Keep this product away from humid environments. Such as near bath tubs, kitchen sinks, washing areas, swimming pools and basements.

Safety Cautions

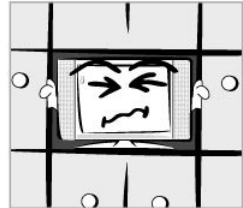
Users are advised to read this user's guide before operating the product.



Keep product away from other heat sources. Such as heat generating electrical appliances, heaters, gas stoves.



Avoid dropping the Remote Control at any time.



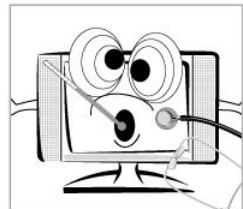
Good ventilation is essential to TV components' life span. Do not place TV monitor on book shelf or enclosed cabinets. Never block TV airvents.



This LCD TV will break if drop or hit; should such incident occur, please send the product back to manufacturer for immediate repair.



Never attempt to repair the TV yourself at any time. When any fault occur, be sure to unplug the cord from the main electrical outlet before calling our qualified serviceman for repair.

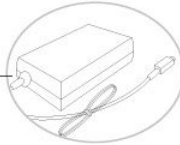


If liquid or foreign objects accidentally drops into the TV, be sure to have qualified serviceman check the product, before turn the TV power on.

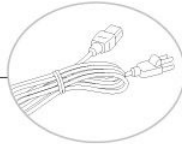
※ Beware : If you are not going to use the TV set for a long period of time, unplug your cord from the main power outlet to conserve electricity. This is because as long as your TV set is plugged in, it consumes electricity.

Accessories

Power Adaptor ○



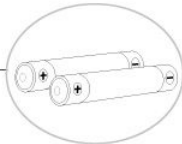
Power Cord ○



User's Manual ○



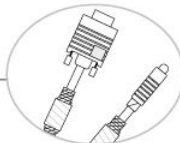
Batteries ○



Remote Control ○



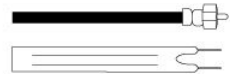
VGA Cable ○



Antenna Installation

■ Using a good quality TV antenna accessories is essential to LCD TV reception. of antenna systems on the market: below are connectors and the different types

1. The 75Ω system with commonly seen F type round head connectors which requires no tools for easy installation.
2. The 300Ω system with the flat connectors system. Can be used with adaptor on 300Ω ↔ 75Ω connectors (Accessories not included)



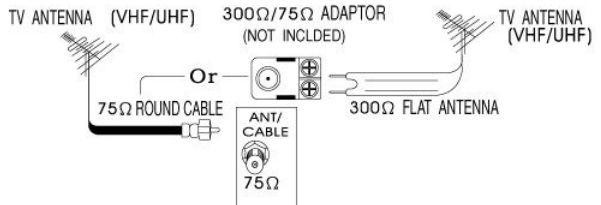
Outdoor Antenna Installation

■ If you are installing an outdoor antenna, you may use one of the following methods:

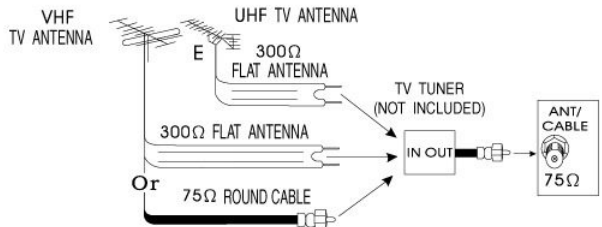
1. Use VHF/UHF mixed outdoor antenna.
2. Use independent VHF or independent UHF outdoor antenna.

■ Installing the outdoor antenna to a TV tuner box.

A. VHF/UHF OUTDOOR ANTENNA



B. INDEPENDENT VHF OR INDEPENDENT UHF OUTDOOR ANTENNA



- Keep your TV antenna cabling to the minimum required length to avoid unnecessary interference viewing TV.
- Avoid installing your TV antenna near steel framed housings or other metallic objects.
- Install your TV antenna on high location avoiding main roads, neon lights and electrical power stations.

- Avoid sharing your TV antenna. (i.e. using one antenna on more than one TV set.)

★ Outdoor antenna are subjected to constant weather wear and tear. When poor reception occurs, please consult your dealers or qualified service personnel.



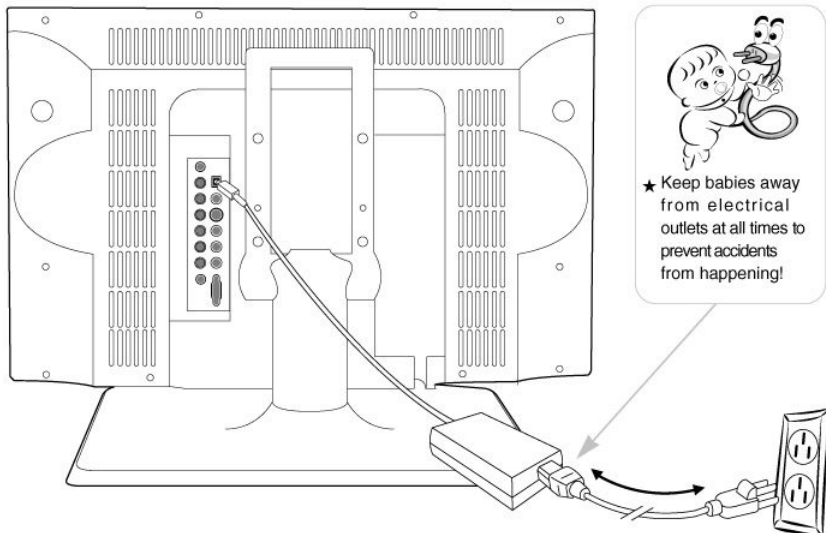
Start Up

Power Connection



Power Connection

1. Remove power adapter from package. Connect the round end of power adapter to the rear of the LCD TV monitor. Please refer to diagram instructions.
2. Take out the power cord and connect the flat end to the power adapter.
3. Plug the other end of the power cord into the wall outlet and the installation is complete.



Remote Control - Put batteries into the remote

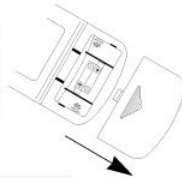
■ Remote Operation

- 1 Aim remote directly at LCD TV monitor for clear signal.
- 2 Remote range is at approx. within 20 feet with angles of approx. 30 degrees.
- 3 Do not have obstructions between remote and TV reception.
- 4 Battery life span is between 6 months to one year depending on usage.
Once reception is weak, it is about time to replace batteries.

■ Remote Control: battery installation

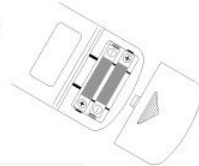
1

Depress the battery cover and slide out to the direction of the arrow indicated on cover.



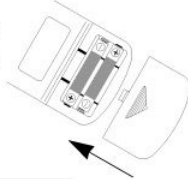
2

Install batteries in correct order as indicated.



3

Slide battery cover in reverse order as indicated.



★ note :

1. It is dangerous to install batteries in the wrong direction. Batteries may leak and cause damage to the remote control!
2. Do not mix old and new batteries together while change batteries
3. Never recharge batteries which are not rechargeable batteries.
4. Discard used batteries properly. Do not puncture or throw used batteries in fire as this may cause explosions!

Batteries Installation Know how



1



2



3



4

Note :

1. It is dangerous to install batteries in the wrong order. Batteries may leak and cause damage to the remote control!
2. Do not mix different brands or new and old batteries together during battery change!
3. Never recharge batteries which are not rechargeable!
4. Discard used batteries properly. Do not puncture or throw used batteries in fire as this may cause explosions!

Recognizing buttons and controls

Top / Front Control Panels



- 1 Mute
- 2 TV / Video / PC
- 3 Menu
- 4 Channel selection (Previous)
- 5 Channel selection (Next)
(Autotune key in PC mode)
- 6 Volume control (Decrease)
- 7 Volume control (Increase)
- 8 Power
- 9 Electric power light indicator
- 10 Remote Control Sensor

Light Indicator:



Red - The standby mode

Green - The power is on

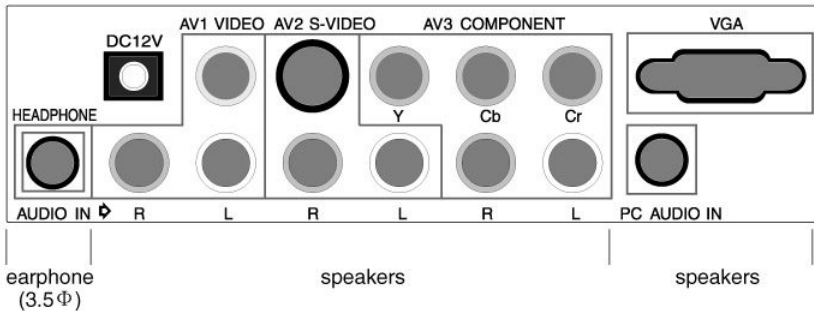
Orange - The SLEEP TIMER is set to on

Note: The indicator will not light when the main power is off

Recognizing buttons and controls

Rear Panel Input / Output Connections

Connectors



Input Connectors

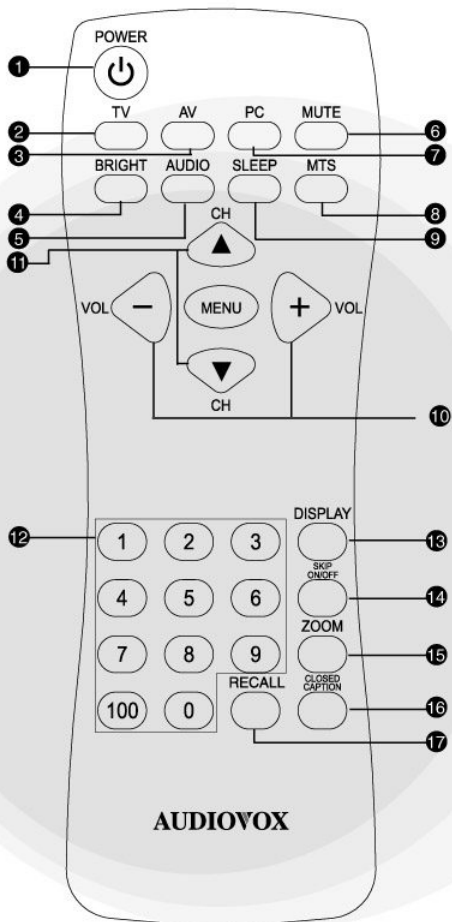
Input	Video	Speakers
AV1	Composite	Stereo / AUDIO Connector
AV2	S-Video	Stereo / AUDIO Connector
AV3	Y,Cb,Cr	Stereo / AUDIO Connector
PC	VGA(15 Pin D-SUB)	Stereo /3.5 ϕ Earphone Connector
TV	Antenna Terminal	Antenna Connector

Output Connectors

Output	Video	Speakers
Headphone	None	Stereo

Recognizing buttons and controls

Remote Control Buttons

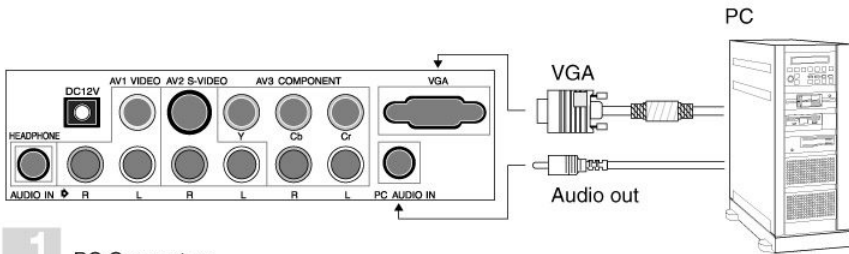


- ❶ POWER
- ❷ TV
- ❸ AV
- ❹ BRIGHTNESS
- ❺ AUDIO
- ❻ MUTE
- ❼ PC
- ❽ MTS
- ❾ SLEEP
- ❿ VOL(+/ -)
- ⓫ CH(▲/▼)
- ⓬ CHANNEL SELECT
- ⓭ DISPLAY
- ⓮ SKIP ON/OFF
- ⓯ ZOOM
- ⓰ CLOSED CAPTION
- ⓱ RECALL

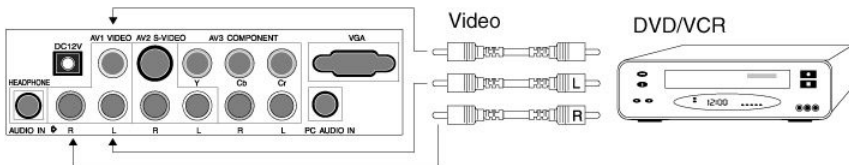
Recognizing buttons and controls

PC/Video/Speaker Connections

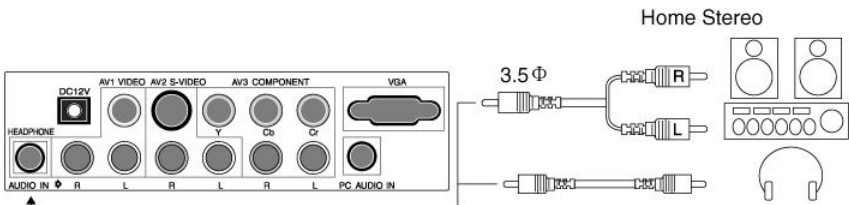
Rear Output Connectors



1 PC Connectors



2 Video Connectors

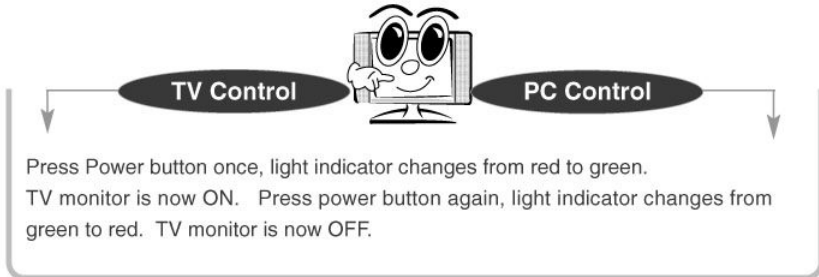


3 Speaker Connectors

★Note :

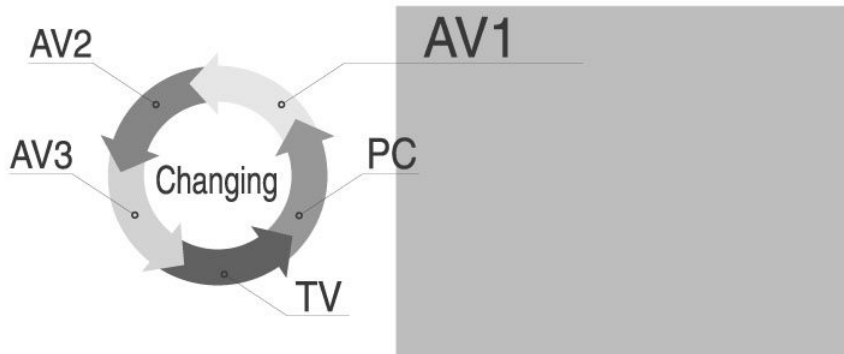
1. Normal TV sounds broadcast via speaker connectors are more impressive to ears.
2. If your sound system does not have "Auxiliary" input connectors, you may select CD or Video "Auxiliary" inputs.

Basic Control



Changing between TV/AV/PC Settings

1. Make sure all equipment is connected properly.
2. Press your desired setting (TV/AV/PC) and the selected mode will show on the upper left screen of the monitor indicating your present mode.



Basic Control



Switching Channels

Use numeric buttons on remote control to select the channel you desire.

When selecting Single or Double digits channels (e.g., Channel 8) be sure to complete the selection within 4 seconds.

Action 1: Press "0" / Action 2: Press "8"

note: always include the digit "0" in front of Single digit channel selections. (e.g., Channel "8" is selected by pressing "08").

When selecting three digit channels (e.g., 118), please complete selection within 4 seconds. This is accomplished by doing the following:

Action 1: Press "100"

Action 2: Press "1"

Action 3: Press "8" to complete the 3 digit channel selection.

Make use of the channel selection buttons to scroll up and down.

Aerial antenna selection:

Press CH▲ Selection up, channel selection moves from :

2▶3▶...▶68▶69▶2▶3▶...

Press CH▼ Selection down, channel selection moves from :

3▶2▶...▶69▶68▶3▶2▶...

Cable selection:

Press CH▲ Selection up, channel selection moves from :

1▶2▶...▶125▶1▶2▶3▶...

Press CH▼ Selection down, channel selection moves from :

3▶2▶1▶125▶...▶3▶2▶1...

Menu Setting List (Diagram)

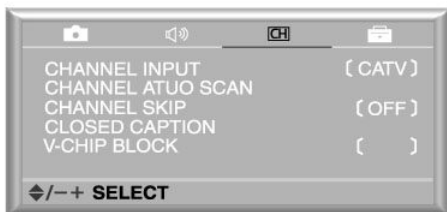
Menu: Picture / Volume / TV / Other fuction



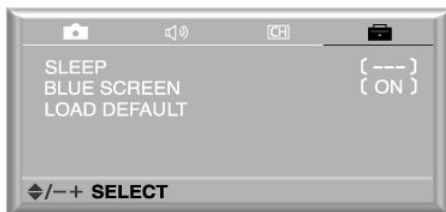
【Picture Setting】



【Volume Setting】



【TV Setting】



【Other fuction Setting】

To locate the above settings do the following:

1. Press **MENU** to display the menu setting list
2. Press VOL (-/+) to select the desired item
3. Press CH(▲/▼) to scroll up or down to decide the selection
4. Press VOL (-/+) to change the setting
5. Press **MENU** to return

Picture Settings

■ Picture Settings (1)

Directly Setting the brightness on the remote control, press "BRIGHT" to adjust the desired brightness, or press MENU to select "BACKLIGHT" to adjust.

You have 3 selections to chose.



Maximum brightness



60% brightness suitable for viewing in a well lit area and save energy



20% brightness

■ Picture Setting (2)

On the remote, press MENU. You may press on CH(▲/▼) button to scroll either up or down to find the function you need to adjust then press left or right on the "VOL (-/+)" buttons to decide your desired adjustments such as adjust the contrast, brightness or sharpness of the TV screen.

Action 1, Press "MENU"



Action 2, Press " CH " (▲/▼)



Action 3, Press " VOL " (-/+)



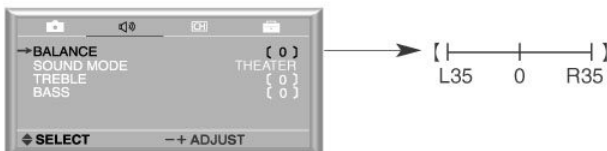
When you have finished adjusting your selections, simply press the "MENU" button to exit.

Note : Under AV1 AV2 AV3 TV modes, the setting are independent in each mode.
For example: In AV1 mode, the brightness setting is 100, but in AV2 or other modes, the brightness setting may be 80, it depends on your setting in that mode.

Volume Settings

■ Volume Setting (1)

1. You can adjust the "BALANCE" of the speakers.
2. Simply go to "MENU " setting, locate the "BALANCE" , and press "VOL" (-/+), and perform the desired adjustment



■ Volume Setting (2)

1. On the remote, press AUDIO. You have 4 sound modes to choose from:

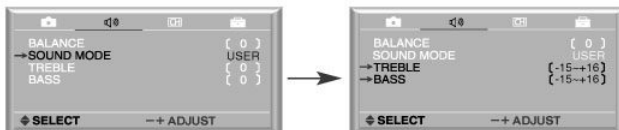


2. Press MENU, press -/+ to select "⏸", press ▲/▼ to select "SOUND MODE" , press -/+ to adjust the item to your desired mode.



■ Volume Setting (3)

- You can adjust the TREBLE or BASS by following: Press MENU, set "SOUND MODE" to [USER] mode, then press (▲/▼) to select TREBLE or BASS controls, and press (-/+) to perform the desired adjustment.



TV Setting

Multichannel Television Sound (MTS)

Your TV set is equipped with MTS (Multichannel Television Sound) decoding. This means you can view your programs in the original sound track. (SAP, Second Audio Program).

1. Simply press the "MTS" button to adjust the desired language heard.

2. You may also select "MENU" to do the necessary adjustments step by step. Simply press the select and setting buttons to finalize your selection.



3. When you change a channel selection, or if there is a break in electrical circuit, the TV screen will show your present status as being "Stereo" and/ or "MTS" function, depending on the present status.

4. Yellow lettering on TV settings describes the TV's present status. E.g. : → Present program has two language settings broadcasting under mono-tone.



5. Weak antenna reception may result in poor Stereo Sound effects. Simply press the "MTS" button to change tone settings from "Stereo" to "Mono" tone. This procedure will give you better sound reception.

6. If present program is being broadcasted under a secondary language selection, then stereo sound will not be heard as a result. That is, secondary language and stereo sounds will not function together.

7. Cable reception is unusually strong, may sometimes result in receiving multiple language interference during MTS mode.

8. You may do various tasks with the "menu" selection mode.

CLOSED CAPTION

This TV set is equipped with an internal Closed Caption decoder. The closed caption broadcasts can be viewed in two modes: (CAPTION) and (TEXT). For each mode, two channels are available: CH1 and CH2

The (CAPTION) mode shows subtitles of dialogs and commentaries of TV dramas and news programs while allowing a clear view of the picture.

The (TEXT) mode display various information over the picture (such as TV program schedule and weather forecasts, etc.) that is independent of the TV programs

Simply press the "CLOSED CAPTION" button to select MODE or DATA

Or 1. Press MENU to display the MENU screen

1. Press "VOL(-/+)" to move to CHANNEL SETTING
2. Press "CH (▲/▼)" to CLOSED CAPTION
3. Press "VOL(-/+)" to change the CLOSED CAPTION setting
4. Press "MENU" to exit

Note: The closed caption function is inactive in Component mode.

TV Setting

V-CHIP

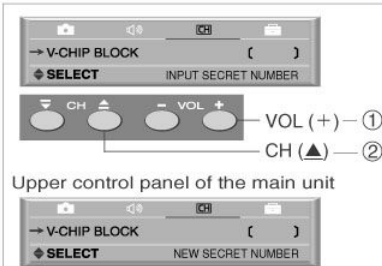
This function allows TV programs to be restricted and TV usage to be controlled based on FCC data. It prevents children from watching violent or sexual scenes that may be harmful.

Restriction of TV programs includes two rating that contain information about the program : the MPAA rating and the TV Parental Guidelines. The MPAA is restricted by age. TV Parental Guidelines are restricted by age and context.

Since a TV program may use either the MPAA rating or the TV Guidelines, both should be adjusted for complete control.

RATING			
Age base	G	GENERAL AUDIENCES. All ages admitted	
	PG	PARENTAL GUIDANCE SUGGESTED.	Some material may not be suitable for children
	PG-13	PARENTAL STRONGLY CAUTIONED.	Some material may be inappropriate for children under 13.
	R	RESTRICTED.	Under 17 required accompanying parent or guardian.
	NC-17	NO ONE 17 AND UNDER ADMITTED.	
	X	X is an older rating that is unified with NC-17 but may be encoded in the data of older movies	

1. Press MENU to display the MENU screen
2. Press VOL(-/+) and CH (▲/▼) to V-CHIP
3. INPUT SECRET NO. will be display. Input the 4-digit secret number (0000) by using channel select keys
4. Press CH (▲/▼) to move the arrow to MPAA
5. Press VOL (-/+) to select BLOCK, if you set PG to BLOCK PG-13, R, NC-17 and X are automatically block.
6. Press MENU to return the main screen



■ CHANGING OR CLEARING THE SECRET NUMBER

1. Press MENU to move the cursor to V-CHIP
2. Press and hold VOL(+) on the upper control Panel, do not set free, then press and hold CH(▲) on the TV set simultaneously until the message NEW SECRET NO.

TV Setting

TV PARENTAL GUIDELINES

	RATING	content				
		FV (Fantasy violence)	V (Violence)	S (Sexual Situation)	L (Adult Language)	D (Sexually Suggestive Dialog)
age base	TV-Y (All children)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	TV-Y7 (Direct to Older Children)	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	TV-G (General Audience)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	TV-PG (Parental Guidance Cautioned)		X	X	X	X
	TV-14 (Parents its Strongly Cautioned)		X	X	X	X
	TV-MA (Mature Audience Only)		X	X	X	X

* : The content rating can be set, but this rating is not normally broadcast by 1 / stations.

* X : The content rating can be set.

■ Setting BLOCK CONTENT

1. Press MENU to display the MENU screen
2. Press VOL(-/+) and CH (▲/▼) to V-CHIP
3. INPUT SECRET NO. (0000) will be display. Input the 4 digit secret number by using channel select keys
4. Press CH (▲/▼) to move the arrow to TV PARENTAL GUIDELINES
5. Press VOL(-/+) to select BLOCK CONTENT
6. Press CH (▲/▼) to move the arrow to the desired item
7. Press VOL(-/+) to select BLOCK or ----(unblock)
8. Press" MENU" to exit

Note: V-CHIP HAS BEEN ACTIVATED will not be displayed if STATUS in not Configured to ON.

Note: Not all broadcasted channels display restrictions.

TV Setting

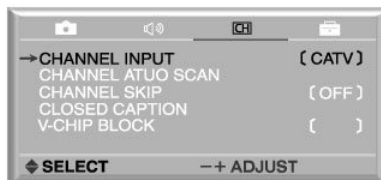
Channel Input / Channel Auto Scan



CHANNEL INPUT (CATV/TV)

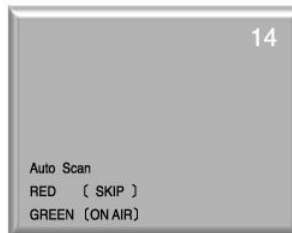
It is necessary to set the receiving mode to CATV or TV channels to receive local broadcast TV programs

1. Press MENU to display MENU screen
2. Press VOL (-/+) to **CH**
3. Press CH (▲/▼) to move the cursor to CHANNEL INPUT
4. Press VOL (-/+) to select CATV or TV
5. Press MENU to exit



CHANNEL AUTO SCAN

From MENU, press VOL(-/+), then CH (▲/▼) to find CHANNEL AUTO SCAN press VOL(-/+), channels will automatically select, adjust and set.



TV Setting

Channel Memory (Enable/Disable)



CHANNEL MEMORY (Disable Channel)

If you do not want a particular channel, you can delete it from memory as follows:

1. From your remote, press "CH"(▲/▼) up or down to find the channel you wish to delete. You may also directly input the channel you wish to delete.
2. Press "SKIP ON/OFF" to delete the channel you wish. This action will delete the channel from your TV. The deleted channel lettering will also change color from green to red.



CHANNEL MEMORY (Enable Channel)

If you wish to replace a channel, proceed as follows:

1. From your remote, press "CH"(▲/▼) up or down to locate the channel you want. You may also directly input the channel number you wish to add.
2. Press "SKIP ON/OFF" to add the channel you want. The newly added channel lettering will change from that of red to green.



★ Note:

1. The above enable /disable channel action may also be carried out via the menu button.
2. From Menu, select, then set the channel you wish to add or delete. Remember that the lettering color for added channels are green and the lettering for deleted channels are red

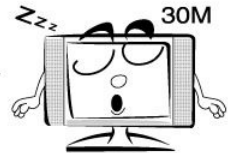
TV Setting



Sleep Mode

1. To set sleep mode :

Press the "Sleep" button and select the time you wish to activate this function. The selected time (lettering in red) will disappear from your screen, and your power indicator will now change from the color green to that of orange, indicating that the sleep mode is now active.



2. To cancel sleep mode:

Press "Sleep" button and the remaining time till sleep mode activation will appear (lettering in green). Now select the time to show [---] and the screen will disappear. The power indicator will now change from orange to green once again.

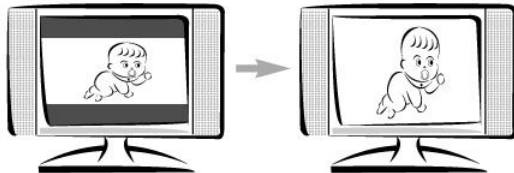


Adjusting the screen size

Press "ZOOM" button on the remote, and select 3 different screen size.



★16:9 setting is applicable only when signals have cut original picture's top and bottom portion as shown below. Normally apply to DVD or theater mode movies.



TV Setting



Blue Screen Setting

Automatically turns the screen blue if a broadcast signal is not received.

Note:

When received signals are weak or interfered with some other signals, the BLUE SCREEN function may be activated. To watch the TV under such conditions, set BLUE SCREEN to off.



Default Setting

From menu, press VOL(-/+), then CH (▲/▼) and find "default setting" then set.



Auto Power Off (TV/AV Mode)

The power of the LCD TV set is turned off when there is no signal for 15 minutes.

Other Functions



Mute

Press the mute button to silence the TV volume. The screen will show a red icon on the TV screen indicating that the mute function has been activated. Press the mute button again return to the original volume setting.



MUTE

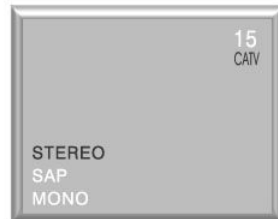
A rectangular button with a 3D effect and the word "MUTE" centered on it.

★Note: Increasing or decreasing the volume setting will also disable on mute setting.



Channel Display

Press the "Display" button and the top right hand corner of the TV screen will display your current viewing channel, program and audio mode.



Channel Return

Press the "RECALL" button and you will return to your previous viewing channel. Press it again and you will return to your present viewing channel. You may alternate between these two channels.

PC Setting

PC Settings

- ★ Simply press TV/Video/PC button to locate the PC mode.
- ★ To make adjustments under the PC mode, do the following:
 1. Press the "MENU" button
 2. Select the function you desire
 3. Press the "CH" up or down buttons to adjust or the "VOL+/-" button for further adjustments.
 4. To demonstrate the "water level", move the light pointer to the "water level" position and the letterings will be lit.
 5. Press "VOL +/-" to adjust the screen left and right balance.
 6. Press "MENU" button again to end single setting selection.
- ★ End (Single Setting instruction)
- Left unattended, any instructions desired will disappear, press menu button to end selection process.

PC PATTERN	
BRIGHTNESS	CONTRAST
HOR. POSITION	VER. POSITION
PHAS	IMAGE ADJUSTMENT
SHARPNESS	LANGUAGE
LOAD DEFAULT	NO SIGNAL INPUT

Remote Control Functions

1. Press Menu to select
2. Press Select up and down buttons to find desired mode
3. Press Set left or right buttons to finalize selection
4. Press Menu to exit

PC Setting



Brightness

Press menu, select brightness, and then set the brightness functions



Contrast

Press menu, select Contrast, and then set the contrast functions



Horizontal Position

Press menu, select horizontal Position , and then set the horizontal position functions



Vertical Position

Press menu, select Vertical Position and then set the vertical position functions



PC Setting



Phase

Press menu, select Phase, then set the phase functions

Note: Adjust if screen is not clear



Clock

Press menu, select Clock, then set your current time



Load Default

Press menu, select, then set the setting to default

note: if screen shows "No Signals" this means that the PC(VGA) signals has not yet been connected.



Autotune

Auto adjust the clock, phase, H-position and V-position of the display to make the monitor have the best efficiency.

Press CH ▲ button on the front control panel for 3 seconds till you release it, this monitor will make auto adjustment.



Troubleshooting

Interference

[Please note the following common TV reception interferences:]



Ignition effect

Black spots or vertical lines may appear. Screen jumps crazily or is very unstable. This is commonly the result of car ignition system interference, neon lights, or other forms of electrical interferences.



Ghost Shadows

This is the result of two signals : One being the original signal from the antenna while the 2nd signal is a slightly delayed signal, normally the result of bouncing off tall buildings or other obstructions. This problem might be corrected by adjusting your outdoor antenna.



Flurries

Lots of tiny dots appears on your screen. This is the result of poor reception signals. You may have to re-enforce your antenna signals.

★ note: note: If interferences occur while you are using a cable system, then the problem could be at the cable source and not from your TV reception.

Troubleshooting

You may have problems that can be fixed with a few minor adjustments. Look for the type of problem you are having below and then apply the suggestions to get your TV going again.



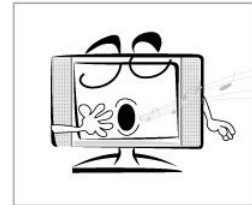
Picture with no sound

- Check if you have accidentally pressed the "mute" button
- Check other channels if the same problem exist. If other channels are fine, then problem is with the TV program you are viewing. This shouldn't be a concern
- Verify all connections are firmly attached
- Connect cable to another TV
- If all checks fail, please contact our serviceman



Sound with no picture

- Check if main power is switched on
- Check brightness and contrast level to see if they have been tuned to the minimum level thus making the screen dark
- Unplug the cable and re-plug it in after two minutes
- Check if you have accidentally pressed the "mute" button
- Connect cable to another TV



No Picture No Sound

- Check main power source
- Check other TV channels. If they are okay, problem is just with the TV program you are viewing
- Press the TV/VIDEO/PC button on the remote or on the top of the unit to get to the desired display option
- If you are using outdoor antenna, please check your connections
- Please check if your power cord is connected properly, it may be loose
- Switch off main power, disconnect cable. Reconnect cable after two minutes rest then switch on the main power
- Check if the antenna or cable are well connected
- Check your Remote Control
- Check power adapter and power cord if they have been damaged
- Connect cable to another TV
- If all fails, please contact with serviceman immediately

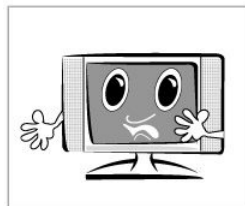


Troubleshooting



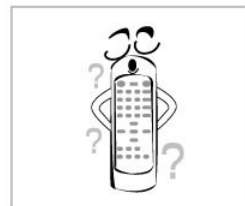
Picture too dark

- Check your brightness level
- Check your contrast level
- In the on screen display (OSD) select default
- Check your LCD monitor for possible damage



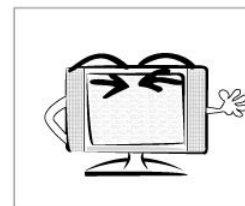
Remote Control Failure

- Check TV main power source
- Check if remote control batteries are weak
- Check if batteries have been correctly installed
- Check if there are obstructions between your remote control and the main TV remote sensor
- Disconnect your cable for two minutes before reinstalling it
- If failure resulted from electrical interferences, lighting or static, disconnect the TV main power for 10 seconds before reinstalling it. Restart your TV
- Try holding remote 2 inches from sensor



Picture is blurry

- Check other channels. Problem may be an isolated incidence
- If using outdoor antenna, please check connections
- Please check your accessories. Such as Video recorder, VCD, DVD
- Check your cable company or outdoor antenna reception
- RF signal may be too slow
- If all fails, please contact our serviceman immediately



Troubleshooting

Before calling our serviceman, please refer to the following chart to see if you can adjust the problems yourself.

Trouble	Checks and Adjustments
TV will not turn on	<ul style="list-style-type: none"> ■ Plug TV in. ■ Plug something else into the outlet to make sure it is working. ■ Make sure batteries in the remote are not dead. ■ Make sure batteries are placed in the remote the right way. ■ Unplug TV for a few minutes and then turn it on again.
Poor sound or no sound	<ul style="list-style-type: none"> ■ Check volume settings and mute settings ■ Check for possible interference sources
Blur picture or no picture	<ul style="list-style-type: none"> ■ Check antenna or TV cable ■ Check for possible outside interferences ■ Check picture settings
Some channels are not clear	<ul style="list-style-type: none"> ■ Check outdoor antenna and make necessary adjustments ■ Check possible outside interferences
Poor Color tone or No color	<ul style="list-style-type: none"> ■ Check memory settings ■ Check Color settings ■ Check if program is in correct channel ■ Check antenna and cable connections ■ Check possible outside interferences
No reception from Cable	<ul style="list-style-type: none"> ■ Check if cable is connected properly ■ Check if channels are selected properly ■ Check if cable company are experiencing technical problems
Channels above 13 cannot receive	<ul style="list-style-type: none"> ■ Check TV channel settings (CATV/TV) are set properly(page 20) ■ Check antenna and UHF settings
Unable to operate remote	<ul style="list-style-type: none"> ■ Check for low batteries or possible obstructions between remote and TV sensor ■ Check TV main power source
TV shut off	<ul style="list-style-type: none"> ■ Electric power failure ■ Preset sleep mode features are on ■ TV programs ended

Notices



NOTICES

1. The contents stated in this document and the product may be subject to change without prior notice. Please ask your distributor or go to WWW.AUDIOVOX.COM for the latest information.
2. This product is developed and produced for usage onto normal electronic products (home, office, automation equipment, game machine, etc) and is not suitable for applications which need extremely high reliability and extreme safety (aero- or space-use machines, control equipment for nuclear power, life keeping equipments, etc.)
3. It is strictly prohibited to copy or publish a part or whole of this document without our prior written approval.
4. Brightness depends on the temperature. (In lower temperature, it becomes lower)

Optical Specification

Optical characteristics are determined after the unit has been 'ON' and stable for approximately 30 minutes in a dark environment at 25c.

The values specified are at an approximate distance 50cm from the LCD surface at a viewing angle of 0 degree.

Lamp Life

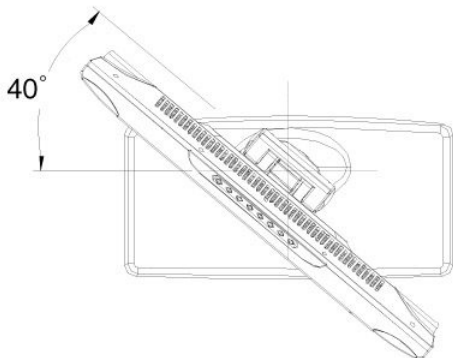
Lamp life is defined as the time when brightness becomes 50% of the original value under standard condition.

Product Specifications

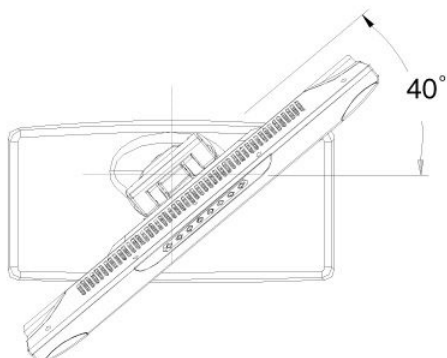
Monitor Display Specifications:	
Screen Size	20.1"
Viewable Size	20.1" (Diagonal)
Aspect Ratio	0.17
Resolution	800 x 600
Pixel pitch	0.51 x 0.51 mm
Total Display Colors	16.7 Million
Viewing Angle	H: 160 / V: 160
Contrast Ratio	500 : 1 (typ)
Brightness (cd / m ²)	500Cd / m ² (typ)
Backlight Lamp Life	50,000 hrs (min)
Surface Treatment:	
Hard Coating	
Connection Interfaces :	
Hi-Resolution component Video (480i)	
S-Video	
Composite (RCA input)	
Composite Audio input for each video input	
Headphone	
VGA (15 pin D-sub)	
3.5mm Stereo Input	
Convenience Specifications:	
Total Watt output	3W X 2
Number of Speaker	2
Preset Sound Level	
Parental Control with V-Chip	
Closed Caption (CC)	
Secondary Audio Program (SAP)	
181 Channel Cable / AIR Ready	
NTSC Cable Standard	
Plug & Play for VGA	
Sleep	30, 60, 90, 120 minutes
Remote Control Type	Model Specific
VESA FPMPI mounting standard	100 x 100 mm
Licensing:	
FCC	
UL	
cUL	
Mechanical Dimensions:	
WxHxD (With Stand)	23.5" x 17.5" x 8.5" (596.9 x 444.5 x 215.9 mm)
WxHxD(W / o Stand)	23.5" x 15" x 2.75" (596.9 x 381 x 69.85 mm)
Weight W / Stand	25.2 LB
Power usage:	
AC Power Source	100V-240~1.7A, 50-60Hz
DC Power input	12V-5A

Adjustable Angles Drawings

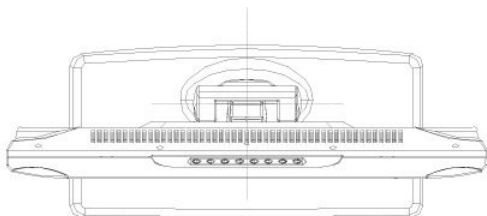
Unit: inch



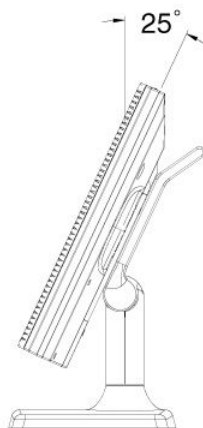
TURN RIGHT 40 DEGREE



TURN LEFT 40 DEGREE



TOP VIEW DRAWING



UP 25 DEGREE

Wall Mounting

Unit: inch



VESA 100 mm x 100 mm Mounting

Maintenance / Repair



Maintenance:

- **DO NOT** wipe LCD with water

Clean the LCD using a dry soft cloth such as gauze. If the LCD is heavily soiled, apply a cleaner for LCD panels to the cloth and wipe off gently.
DO NOT use chemical such as acetone, solvents as xylene or toluene.

- **WIPE** the cabinet with a soft cloth

If the cabinet is heavily soiled, wipe with soft cloth dipped in water



REPAIR: (Important)

DO NOT SHIP PRODUCT BACK FOR REPAIR WITHOUT FIRST CONTACTING AUDIOVOX AT 1-800-645-4994.

AUDIOVOX WILL PROVIDE A SPECIALLY DESIGNED TRANSPORT BOX FOR YOUR UNIT. THIS BOX WILL BE PROVIDED TO YOU AT NO CHARGE. THE BOX WILL CONTAIN A PREPAID SHIPPING LABEL SO THE PRODUCT MAY BE RETURNED AT NO EXPENSE.

For assistance, please call: 1-800-645-4994
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90 DAY LIMITED WARRANTY

Applies to Audiovox Video Products

AUDIOVOX ELECTRONICS CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 90 days from the date of original purchase, such defect(s) will be repaired or replaced with reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the term of this Warranty, the products is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the Company at the address shown below.

This Warranty does not extend to the elimination of externally generated static or noise, to correction of antenna problems, to costs incurred for installation, removal or reinstallation of the product, or to damage to tapes, discs, speakers, accessories, or electrical systems.

This Warranty does not apply to any product or part thereof which, in the opinion of the Company , has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number / bar code lable(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT , SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

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