TFT LCD TELEVISION

User's Manual

AUDIOVOX SPECIALIZED APPLICATIONS, LLC

The Mobile Electronics Company

www.asaelectronics.com

FlexVision®

FCC Compliance Statement

Note :

This equipment has been tested and found to comply with the limits for a
Class B digital device, pursuant to Part 15 of 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.
However, there is no guarantee that interference will not occur in a particular
installation. If this equipment dose cause harmful interference to radio or television
reception, which can be determined by turning the equipment off and on, the user is
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 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 /television technician for help.

Notice 1 :

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

Notice 2 :

Shielded interface cables, if any, must be used in order to comply with the
emission limits.

DOC CLASS B NOTICE

This digital apparatus does not exceed Class limits for radio noise emission
for a digital apparatus as set out in the Radio Interference Regulations of the
Canadian Department of Communications.
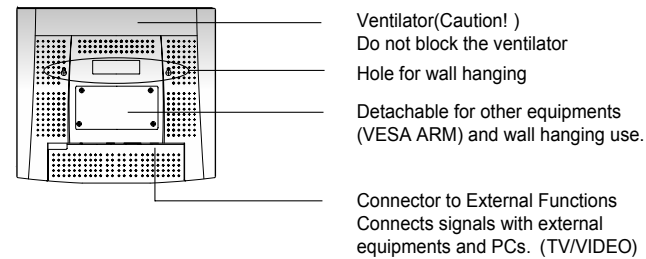
Contents

MAIN FEATURES

Thank you for purchasing our high resolution TFT LCD Television.
We recommend that you thoroughly read through this user's guide
before using the product.
It is also recommended to safely store the guide in times of
immediate need in the course of using the product.

FRONT OF TELEVISION

LCD Panel

Control Button

Menu

Select

Speaker

Power Switch
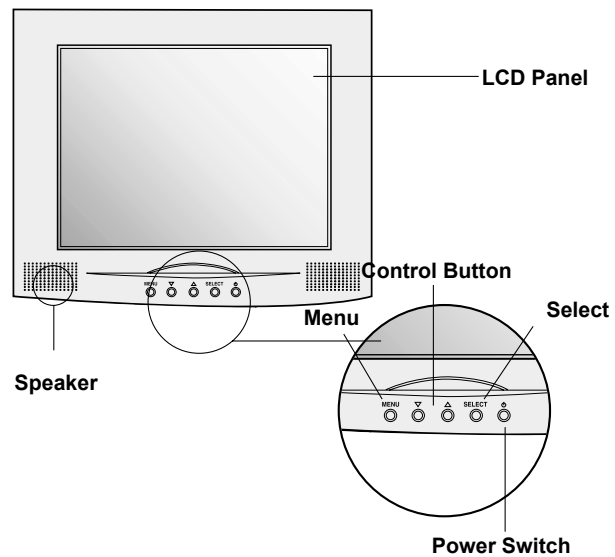
∗ Used in turning on/off the screen.
∗ The power light shows regular and
  safe mode functions with colors.

BACK OF TELEVISION

Ventilator(Caution!)
Do not block the ventilator

Hole for wall hanging

Detachable for other equipments
(VESA ARM) and wall hanging use.

Connector to External Functions
Connects signals with external
equipments and PCs. (TV/VIDEO)

FUNCTIONS

Although regular monitors for PCs use CDT as a medium for display, the TFT
LCD television is a Flat Panel Display based on digital technology, and was
originally used only for laptops PCs. Now it is used for desktops and laptops
alike, opening a world of conveniences and quality to those ardent PC users.

The following functions are provided in our products.
  1. Convenient and easy to handle Control Button.
  2. From PC function to TV/VIDEO functions.
  3. Remote Control.
  4. A slim and space reducing television.
  5. Monitor transferable for wall hanging.
  6. Industrial robot and VESA install able.
  7. Liberal angle control.(+30 ˚~ -5˚)
  8. Low energy consumption.
  9. Scarcely influences surrounding objects, with no harmful electronic waves,
     noise, heat or magnetic activities.

COMPONENTS

• After discarding the package and wrapping of the LCD TV, check for the following components in the box.

►Components

• LCD TV   • User's Guide   • Remote Controller
• Battery (AA) 1.5V x 2

PRECAUTIONS IN INSTALLING

• Install on safe ground.
  : There's a possibility of damage of the product or harming people.

• Always cover the product or keep in a well ventilated place.
  : There is danger of fire and also for safe maintenance.

• Do not put anything containing water, medicine, small metal material,
  or heavy objects on the product.
  : Danger of fire, electrocution, and damage to the product.

• Do not install in damp, dusty, or wet places. : Danger of fire and electrocution.

• Do not put candles, cigarettes, or other objects with excessive heat.
  : Danger of fire.

• Do not install any external connections, only connecting cords and
  adapter included in the box. : Damage and fire may occur.

CONNECTING TO YOUR PC

1 12V DC Jack
2 PC 15 pin Jack
3 S-VHS Jack
4 Terminal Cable Y (Composite or Component)
5 Terminal Cable Pb (Component)
6 Teminal Cable Pr (Component)
7 Audio Cable L . R
8 Head Phone Jack
9 PC Audio Jack
10 TV Antenna Jack
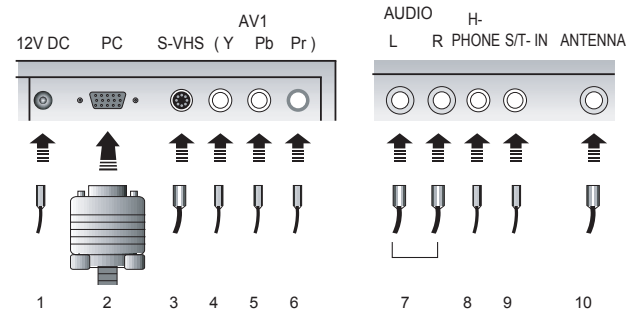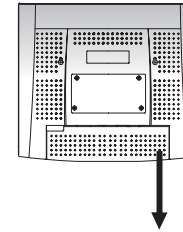
1. Connect to 12V DC with the adapter included in the box to 12V DC only.
2. Connect signal cable to PC. "Check Signal Cable" will appear on the television if improperly connected. In case of using Macintosh, use the exclusive adapter.
3. Connect to S-VHS Terminal of VCR, DVD,Camcorder.(optional)
4. Connect to Terminal of composite or Y-Terminal of component.
5. Connect to Pb-Terminal of component.
6. Connect to Pr-Terminal of component.
7. Connect to input terminals L, R that need Audio output.(DVD, VCR or CAMCORDER)
8. Connect headphones to the connecting terminal.
9. Connect to PC Audio output.
10. Connect to antenna or CATV connecting cable to the 'Antenna' terminal.

TV/ VIDEO FUNCTION SETTING

Picture

Controlling Screen Contrast

Menu ^{MENU} ○ → Picture → Contrast → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can control the contrast of the images or letter on the screen.

Controlling Screen Brightness

Menu ^{MENU} ○ → Picture → Brightness → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can control the brightness of the screen.

Controlling Screen Color

Menu ^{MENU} ○ → Picture → Color → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can control the color of the screen.

Controlling Screen Sharpness

Menu ^{MENU} ○ → Picture → Sharpness → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can select the sharpness of the screen.

Controlling Screen Tint(only NTSC)

Menu ^{MENU} ○ → Picture → Tint → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can select the tint of the screen.

Sound

Adjust Volume

Menu ^{MENU} ○ → Sound → Volume → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can adjust volume of this screen.

Adjust Balance

Menu ^{MENU} ○ → Sound → Balance → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can adjust the Balance of this screen.

Adjust Bass

Menu ^{MENU} ○ → Sound → Bass → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can adjust the Bass of this screen.

Adjust Treble

Menu ^{MENU} ○ → Sound → Treble → Select ^{SELECT} ○ →
Control with ○ ○ → Menu ^{MENU} ○

You can adjust the Treble of this screen.

Install

Auto search

Menu ⓜⓔⓝⓤⓞ → Instal → Auto search

You can search channels automatically

TV System(PAL Only)

Menu ⓜⓔⓝⓤⓞ → TV System → Select ˢᵉˡᵉᶜᵗⓞ →

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can choose the TV System(PAL → SECAM).

TV Sound(PAL Only)

Menu ⓜⓔⓝⓤⓞ → TV Sound → Select ˢᵉˡᵉᶜᵗⓞ →

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can choose the TV Sound(BG → DK → I).

Manual tune

Menu ⓜⓔⓝⓤⓞ → Install → Manual tune

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can change channel range positively or nagatively.

Fine Tune

Menu ⓜⓔⓝⓤⓞ → Install → Fine Tune

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can change range of tuner positively or negatively($\pm$ 0.05Mhz)

Store to

Menu ⓜⓔⓝⓤⓞ → Install → Store to

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can store the channel(P0 P99).

Skip

Menu ⓜⓔⓝⓤⓞ → Install → Skip → Select ˢᵉˡᵉᶜᵗⓞ →

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can skip the channel(Yes → No).

OSD (On Screen Display)

Vertical position of OSD

Menu ⓜⓔⓝⓤⓞ → OSD → V Position → Select ˢᵉˡᵉᶜᵗⓞ →

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can adjust vertical position of OSD.

Horizontal position of OSD

Menu ⓜⓔⓝⓤⓞ → OSD → H Position → Select ˢᵉˡᵉᶜᵗⓞ →

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can adjust horizontal position of OSD.

Halftone of OSD

Menu ⓜⓔⓝⓤⓞ → OSD → Halftone → Select ˢᵉˡᵉᶜᵗⓞ →

Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can adjust halftone

Input

TV or changing to another mode

Menu ⓜⓔⓝⓤⓞ → INPUT → Select ˢᵉˡᵉᶜᵗⓞ → Control with ⓞ ⓞ → Menu ⓜⓔⓝⓤⓞ

You can change input mode

(TV → COMPOSITE → S-VHS → COMPONENT → PC)

PC FUNCTION SETTING

Information

Information of the screen

Menu $\overset{MENU}{\circ}$ → Information → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can see the information of the screen.

Input Source

TV or changing to another mode

Menu $\overset{MENU}{\circ}$ → INPUT → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can change input mode.
(TV - Composite - S-VHS - Component - PC)

OSD Control

Vertical Position of OSD

Menu $\overset{MENU}{\circ}$ → OSD Control → V Position → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can adjust vertical position of OSD.

Horizontal Position of OSD

Menu $\overset{MENU}{\circ}$ → OSD Control → H Position → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can adjust horizontal position of OSD.

Halftone of OSD

Menu $\overset{MENU}{\circ}$ → OSD Control → Halftone → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can adjust halftone of OSD.

Contrast

To clarify the screen

Menu $\overset{MENU}{\circ}$ → Picture → Contrast → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can control the contrast of the images or letter on the screen

Brightness

To control brightness of the screen

Menu $\overset{MENU}{\circ}$ → Picture → Brightness → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can control the brightness of the screen.

Adjust

Vertical Position

Menu $\overset{MENU}{\circ}$ → Adjust → V Po. → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can adjust th vertical position of the screen.

Horizontal Position

Menu $\overset{MENU}{\circ}$ → Adjust → H P. → Select $\overset{SELECT}{\circ}$ →

Control with $\circ$ $\circ$ → Menu $\overset{MENU}{\circ}$

You can adjust the horizontal position of the screen.

Clock Adjust

Menu ⌾ᴹᴱᴺᵁ → Adjust → Clock Adj. → Select ⌾ˢᴱᴸᴱᶜᵀ →

Control with ⌾ ⌾ → Menu ⌾ᴹᴱᴺᵁ

You can adjust the clock.

Phase Adjust

Menu ⌾ᴹᴱᴺᵁ → Adjust → Phase Adj. → Select ⌾ˢᴱᴸᴱᶜᵀ →

Control with ⌾ ⌾ → Menu ⌾ᴹᴱᴺᵁ

You can adjust the phase.

Auto Adjust

Menu ⌾ᴹᴱᴺᵁ → Adjust → Auto Adj. → Select ⌾ˢᴱᴸᴱᶜᵀ →

Control with ⌾ ⌾ → Menu ⌾ᴹᴱᴺᵁ

You can adjust position of the screen automatically.

Reset

Menu ⌾ᴹᴱᴺᵁ → Adjust → Reset. → Select ⌾ˢᴱᴸᴱᶜᵀ →

Control with ⌾ ⌾ → Menu ⌾ᴹᴱᴺᵁ

You can reset the screen.

REMOTE CONTROL

POWER

NUMBER

TV

CHANNEL UP

CHANNEL DOWN

SLEEP

MENU

MUTE

RECALL

PC

AV

VOLUME UP

VOLUME DOWN

SELECT

AUDIO
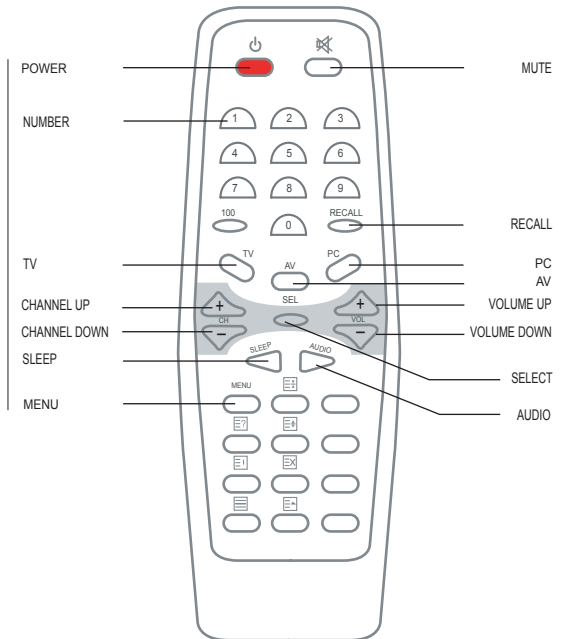
PRECAUTIONS

The below precautions should be carefully followed for the effective function of the product and safety of users.

Do not expose the product to severe impacts.
(This could occur damage)

Do not try to disassemble, repair,
renovate the product without expert assistance.
(Contact the service for parts needing repair)

Do not leave the product in damp
or wet places as there is danger
when the product is exposed to water
or metal. (Danger of electrocution)

• Other Precautions
In cleaning the product, make sure power is turned off, wipe with,
a soft and clean cloth then with water. Never use benzene,
alcohol or other cleaners. (Contact the service center or a store near
you for static controllers and cleaners. The LCD polarizing plate may
peel off or the product may decolorize, dissolve, or crack.

TROUBLE SHOOTING

When failure or problems occur, refer to the following. For further assistance, contact our customer support centers.

"The power does not turn on."	Check whether the plug is in place and try to reconnect it.
"Check signal cable" sign appears	Check if the signal cable is properly connected to the computer or video card and try to reconnect it.
"Out of range" appears on the screen.	Set the resolution and frequency compatible to the monitor.
"Distorted Video"	Check if the resolution and frequency of the computer or the video card is set to accommodate the monitor and then reset the screen according to the present mode of the monitor menu and the standard signal timing chart.
The screen is too bright	Try to control the brightness or contrast of the screen.
The color of the screen appears as if there is a shadow.	Go to the OSD color control menu, the user mode and control the door.
There is no sound	Check the connecting cable.
The volume is too low	Control with the up and down buttons
The TV won't turn on	Check if the antenna is connected and control and control the mode with the TV.

SPECIFICATIONS

Category		Specification
LCD	Screen Size	15 inch (diagonal length)
(PANEL)	Visible Screen size Pixel Range Type Visual Angle	304.1(H) X 228.1(V) 0.297(H) X 0.297(V) A-si TFT LCD(liquid crystal display) Upper 65'/lower 65' , left 70'/right 70'
Frequency	Horizontal Frequency Vertical Frequency	48.36 ~ 60 KHz(Auto Set) 60 ~ 75 Hz (Auto Set)
Color Display	Display color	16.7M Color
Input Signal	Video Signal	Analog 0.714Vp_p POSITIVE(75 ohm)
TV	TV Color System Channel memory Video Input Color	NTSC 181 Channel Memory NTSC
Sound	Sound Output	2W + 2W (1KHz MOD 80%)
Power/Voltage	Voltage Use	DC 12V/3A
Energy Consumption	Regular Energy Consumption	Maximum 30W
	Safe Mode Consumption	Less then 5W
Movement	Temperature	0'C ~ 40'C
Conditions	Humidity	10% ~ 85%
Size	Excluding Base	380(W) X 58(D) X 336(H)
Weight	Net Gross	4.7Kg (10.36 lbs) 7.0Kg (15.4 lbs)
Features	Channel auto programming Full function remote control Composite video Input S-VHS video Input Component Input PC sound Input	
Jack & Terminals	TV ANT Input Video In RCA jack Audio In RCA jack 4-Pin Mini Din jack 15-Pin Mini D-Sub	

The above specifications can be changed without prior notice for quality improvement.