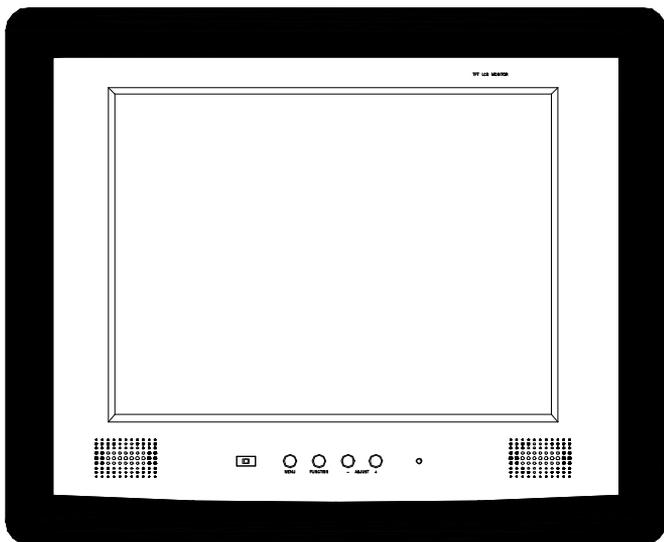# FlexVision®

LCM1511WTV
COLOR LCD MONITOR
WITH TV TUNER

OWNER'S MANUAL

Audiovox Specialized Applications, LLC
23319 Cooper Drive
Elkhart, IN 46514
800-688-3135
www.asaelectronics.com

PACKING

Monitor
Remote Control
Interface Cable
12V Power Cord
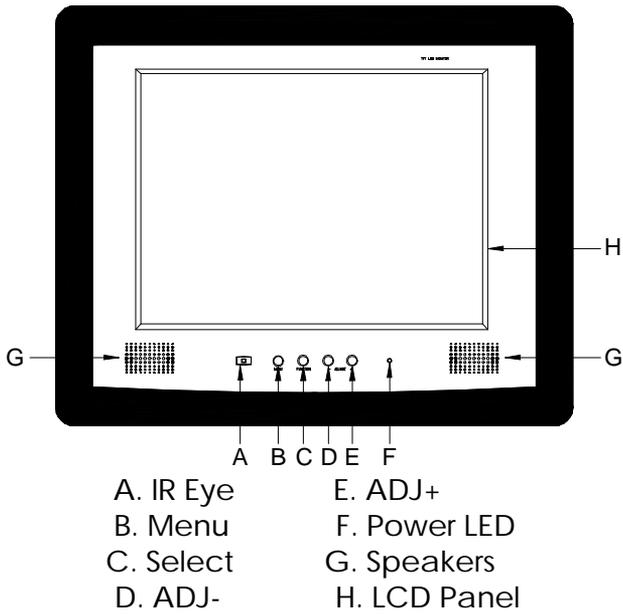Batteries: Size AAA x 2
Mounting Hardware
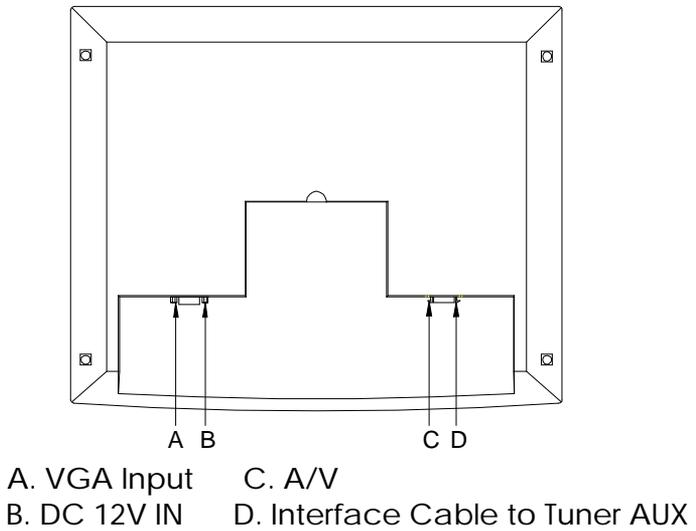Manual

WARNING

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1. LCM Monitor

Front

A. IR Eye
B. Menu
C. Select
D. ADJ-

E. ADJ+
F. Power LED
G. Speakers
H. LCD Panel

Rear

A. VGA Input   C. A/V
B. DC 12V IN   D. Interface Cable to Tuner AUX

Page 1

LCD, Tuner Pack, IR Remote Control

Remote Controller

POWER	ON/OFF	TV/AV	MENU
CHANNEL	SELECT	MUTE	SPKR ON/OFF
VOLUME	ADJUST +/-	CONTRAST	CONTRAST
COLOR	COLOR	BRIGHT	BRIGHTEN

2. Feature Function, IR Remote

2-1 Power

Pointing the remote towards the IR eye on the LCD, press and hold

the POWER On/Off button on the remote controller unit until it turns on

the system. Repeat this procedure to turn off system.

Power On- The LCD monitor will light up, and the green power light on

the front panel will be ON.

The OSD (On Screen Display) will show the mode of operation.

Power Off- The monitor screen will be dark, the green power light will

change to orange. The system will go to stand-by mode.

2-2 Input Signal Detection

Tuner system will detect if a signal is received or if a signal is not

received in every mode of signal input. If there is no signal, screen

will display "No Signal". Otherwise, the signal will be displayed

showing the mode.

2-3 Contrast/Color/Brightness Adjustment

If you want to adjust contrast/Color/Brightness, press the appropriate

button. The screen will display the one you choose, then use ▼ or ▲

Volume to adjust it within 2.5 seconds. If you take over 2.5 seconds

to adjust, the screen display will disappear and the system will reset

to ▼ or ▲ Volume.

2-4 Volume Adjustment

Use the ▼ or ▲ volume button to increase or decrease the audio

volume. You will see the "Volume Bar" on the screen.

2-5 Audio Mute

Press the Mute button to disable audio output. The screen will display
"Mute" on upper right corner of the monitor.
To cancel mute status, just press Mute key again. The "Mute"
message on upper right corner will disappear.

3. Feature Functions by Manual

3-1 Key Functions
There are 4 buttons on the monitor which are "Menu"; "Select";
"-";
and "+".

(1) MENU: Pop up & close the OSD (On Screen Display) menu.

(2) SELECT: Steps between the function ICONS when OSD menu
is on.

(3) -:   Decreases the adjustment or Pick a selection.

(4) +:   Increases the adjustment or Pick a selection.

NOTE:

There are no available functions on the "SELECT" key when the
OSD

menu is not active. Pressing the "-"/"+" will select volume when
OSD

menu is not active. See details about the volume control in
section

3-2.

3-2 VOLUME ADJUSTMENT BAR
Press "-" or "+" to decrease or increase the volume of the built-
in

speaker, when the OSD menu is not active. At the same time,
the

OSD bar will show the adjusted steps.

3-3 OSD ICONS and Function Descriptions
Use the "Menu" key on the panel to pop up the OSD.

Use the "Select" key on the panel to step between icons.

3-4 VIDEO ADJUSTMENTS

The screen will display the one that you choose, then use the volume
▲ or ▼ to adjust it.
If you take longer than 4 seconds to adjust, the menu display will
disappear . The system will reset to ▲ or ▼ Volume.

The Reference table of OSD Functions and Descriptions

Mark	Function	Keyboard Adjust	Note
☼	Brightness	(-) ▭▬▭ (+)	
◖	Contrast	(-) ▭▬▭ (+)	
🎨	Color	(-) ▭▬▭ (+)	
▤	Hue (A/V) / Phase (PC)	(-)G ▭▬▭ R(+) (-) ▭▬▭ (+)	
◁»	Volume	(-) (+)	
⬠	H. Position	(-)L R(+)	
⬡	V. Position	(-)Up Down(+)	
—	H. Size	(-)Narrow Wide(+)	
		V. Size	(-)Narrow Wide(+)	
⊹	Expansion	(-)Off On(+)	
◁x	Mute Speaker	(-)Off On(+)	
◁	Signal Source Select	1. AV/PC - Auto 2. PC/AV - Auto 3. AV 4. PC	Auto Detect, AV Priority 1st Auto Detect, PC Priority 1st Only AV Only PC
🎨	Filter	(-)Off On(+)	Sharpen/Soften Image
⬡	System (A/V)	1. NTSC - M / PAL - BGHI 2. PAL 4.43 / NTSC 4.43: 50Hz 3. NTSC 4.43: 60Hz/PAL-N 4. PAL-M / NTSC-N 5. PAL 4.43 / SECAM	Color System selection on AV mode
▯	Reset- Default	(-)Off On(+)	Reset to factory setting
PWR-On/Off		Select + Menu	Press Select First

4. Feature Functions

4-1 No Signal Detection
The monitor will detect signal input automatically. If the signal source
is OFF or removed, there is a "   " icon that will appear and blink
on the upper right corner of   the screen that means "No Signal Input".
The system will go to power saving mode when there is no signal input for 1 minute.

4-2 Auto Memory Function
All of the functions adjustments, will be saved automatically. If you want to change back to the default setting, please use in the OSD menu to reset everything back to the factory setting.

4-3 PC VGA Multi-Sync Mode
All available modes are listed below:

	Display Mode	Resolution	H. Frequency (KHz)	V. Frequency (Hz)	Dot Clock (MHz)
1	350	640 x 350 @ 85	37.861	85.098	31.5
2	400	640 x 400 @ 85	37.861	85.08	31.5
3	Text	720 x 400 @ 70	31.5	70	28
4		720 x 400 @ 85	37.927	85.039	35.5
5	VGA	640 x 480 @ 60	31.469	59.94	25.175
6		640 x 480 @ 73	37.861	72.809	31.5
7		640 x 480 @ 75	37.5	75	31.5
8		640 x 480 @ 85	43.269	85.008	36
9	SVGA	800 x 600 @ 56	35.156	56.25	36
10		800 x 600 @ 60	37.879	60.317	40
11		800 x 600 @ 72	48.077	72	50
12		800 x 600 @ 75	46.875	75	49.5
13		800 x 600 @ 85	53.674	85.061	56.25
14	XGA	1024 x 768 @ 60	48.363	60.004	65
15		1024 x 768 @ 70	56.476	70.069	75
16		1024 x 768 @ 75	60.023	75.029	78.75
17		1024 x 768 @ 85	68.677	84.997	94.5

NOTE: 15.1" Panel resolution is up to XGA.

5. Tuner Functions: (Performed only by IR Remote)

5-1 Power

Press and hold the POWER On/Off button on the IR remote controller

unit the system turns ON. Repeat this procedure to turn the power off.

Power-On: The LCD monitor will light up, and the green LED on the

front panel of the monitor will be On. The On Screen Display (OSD)

will show the last position where you turned the unit Off. (For

example, when you are on CATV Ch. 38, then turn the power OFF,

the next time you power up the screen will display CATV Ch. 38).

Turning OFF power: The monitor screen will be dark and the indicator

will turn orange. The system will go into stand-by mode.

5-2 TV/CATV/AV1/AV2 Mode Selection

Use the TV/CATV button to switch between TV/CATV/AV1/AV2.

System	Air	CATV
US-181 (NTSC)	Cable TV Channels 2~69	Cable TV Channels 2 ~ 125
PAL/DK	Cable TV Channels 1~57	Cable TV Channels 1 ~ 63
PAL/BG	Cable TV Channels 2 ~69	Cable TV Channels 1 ~ 57
PAL/AI	Cable TV Channels 21 ~ 69	Cable TV Channels 1 ~ 53
JAPAN	Cable TV Channels 1 ~ 62	Cable TV Channels 1 ~ 63

Mode source	Description
AV1	External Audio and Video Input 1
AV2	External Audio and Video Input 2

NOTE: First press of the TV/AV button, system will display status only.

Press it again to perform switching function.

5-3 TV/CATV Channel Programming

Use AUTO PROG. button to memorize the channels in CATV or

VHF/UHF. When you press the AUTO PROG. Button, the tuner will start

to scan all of the available channels and put the active ones into

memory. The screen will display "AUTO" in the lower left corner while
the unit is programming. There are two groups of memory. One is
for TV and another is for CATV. This function is valid only in TV or CATV
mode.
NOTE: If you want to interrupt the auto programming mode, just press the
Channel ▲ or ▼ button. We recommend you DO NOT interrupt
the auto programming mode, because it will not program in all of
the channels and some available channels may therefore be
missed.   Page 7

5-4 Input Signal Detection

Tuner system will detect a signal if a signal is received in every mode
of signal input. If there is no signal, the screen will display "No Signal".
Otherwise, the signal will be displayed showing the mode.

5-5 Channel Selection

Use ▲ or ▼ button for channel selection.
If you auto-programmed the channels into memory, the ▲ or ▼
button will do channel steps up or down through the memorized
channels. For more information about detail descriptions of auto
program, please refer to section 3. If the auto-programming was not
done, the channels will be displayed sequentially even if no signal is
present.

5-6 Channel Recall

Press ▲ or ▼ on the channel button to display the channel
information.

5-7 Contrast/Color/Brightness Adjustment

If you want to adjust Contrast/Color/Brightness, press the appropriate
button. The screen will display the one you choose, then use Volume
▲ or ▼ to adjust it. If you take over 2.5 seconds to adjust, the screen
display will disappear and the buttons will reset to ▲ or ▼ Volume.
The scales of adjustment are in 16 steps.

5-8 Volume Adjustment

Use the Volume ▲ or ▼ buttons to increase or decrease the audio
volume.
You will see "Volume Bar" on the screen display.
The scales of volume adjustment are in 16 steps.

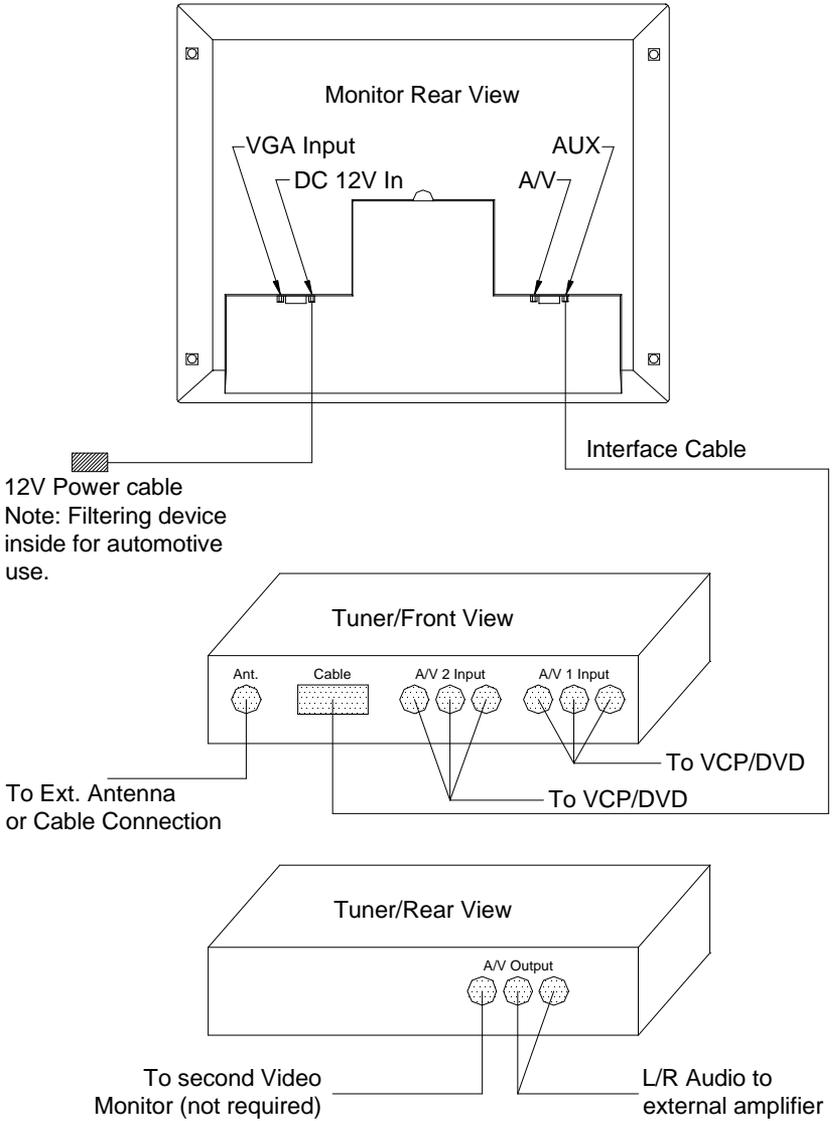**5-9 Audio Mute**

Press the MUTE button to disable audio output. Screen will display

"MUTE" on the upper right corner of the monitor. To cancel mute

status, just press the MUTE key again. The "Mute" message on the

upper right corner will disappear.

6. Installation of Monitor and Tuner Pack

Monitor Rear View

VGA Input

AUX

DC 12V In

A/V

Interface Cable

12V Power cable
Note: Filtering device
inside for automotive
use.

Tuner/Front View

Ant. Cable A/V 2 Input A/V 1 Input

To VCP/DVD

To Ext. Antenna
or Cable Connection

To VCP/DVD

Tuner/Rear View

A/V Output

To second Video
Monitor (not required)

L/R Audio to
external amplifier

7. Installation Procedure

The monitor is furnished with a metal bracket consisting of 8 mounting holes, located in corners of the flange. The mounting holes will accommodate #10 screws.
1) Locate a mounting hole position that will allow a 2 ¼" depth in wall.
2) Determine if there is plumbing, ducting, or electrical wires in the area
   before drilling and cutting any holes. Relocate if necessary.
3) Use the monitor's metal frame as a template to drill holes and cut
   opening.
4) To properly align holes- place monitor bracket level on wall. Mark all
   hole locations and outer edge of flange.
5) Pre-drill larger holes using 5/16" drill bit. This provides clearance for
   plastic fasteners on trim ring.
6) Mark cut line and cut opening as required.
7) Attach all connections prior to mounting bracket to wall.
8) Check full operation before installing mounting screws and trim ring.

16.45

13.83

9.70

2.10

Page 10
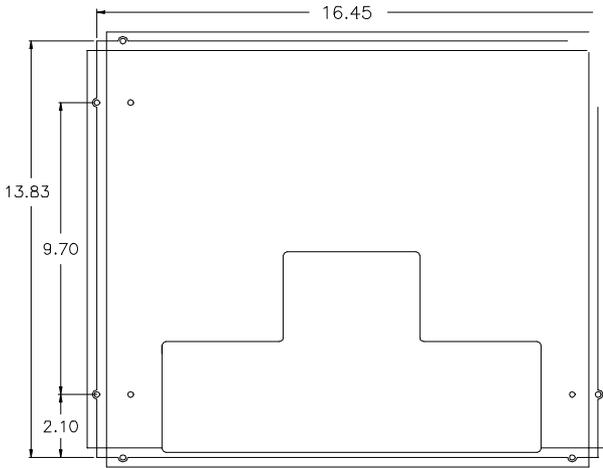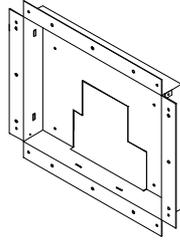
8. Specifications

Power Input/ Consumption	DC12V ± 10% < 2A
Audio/Video Input	A/V input Mini Jack
Operating Temperature	0° C ~ +50° C
Storage Temperature	-25° C ~ +60° C
Resolution	XGA 1024 (H) x 768 (V) Pixels
Back Light	Cold Cathode Filament Tube
View Angle L/R	(Left, Right) 60°
View Angle U/D	(Up, Down) 45°
Power Adapter	AC 90 ~ 260V Input, DC 12V, 2.5 A Output
Monitor Dimensions	392 (W) x 327 (H) x 53 (D) (mm)
Monitor Weight	6.0 Kg.
PC VGA Input	Analog Signal, 0.7 Vp-p, 75 Ω, D-SUB 15-pin
Graphics Mode	Follow VESA standard mode, Auto detection
Color Depth	262, 144 Colors
Frame Memory	6 MB for PC & PC +AV type 2MB for AV only type
On Screen Display (OSD)	Supported
Power Saving Mode	< 30mA
User Setting	Store in non-volatile memory

9. Help Page

For technical help call:

ASA

1-800-688-3135
Ask for the
Technical Services
Department

10. Optional Product List

Televisions	
AVT988 9″ Color Television with Remote (12V)	AVT988
AVT1498 13″ Color Television with Remote (12V)	AVT1498

VCP and DVD Players
For use with TV's and LCD

AVP7000 Video Cassette Player (12V)	AVP7000
AVP7285 Video Cassette Player (12V)	AVP7285
Single Disc DVD Player	DVD2101

Headphones	
Wireless Headphones	WHRF01
Headphones with Pivoting Earcup	HP175
Headphones with Volume Control on Cord	HP275
Studio Quality Headphones	HP375

Miscellaneous	
Remote Controls	Please Call
Wallmount Family Radio Service with 4 Handsets	FRS4WM
Replacement Handset	FRS100Y
12V Corded Vacuum	VAC21
Rechargeable Flashlight	AVF1
Window Mount TV Antenna	AN350
2-Amp Adapter for use with AVP7000/7285 VCP	0891436
4-Amp Adapter for use with AVT988 9″ and AVT1498 13″ TV	0891412

Wallmount Radios	
AM/FM Wallmount manual Tune w/Cassette Player	AWM710
AM/FM Wallmount Electronic Tune w/Cassette Player	AWM820
AM/FM Wallmount Stereo w/CD Player	AWM930

Marine	
AM/FM Stereo with CD Player	MS1000
AM/FM Weatherband Stereo with Cassette Player	MS407
AM/FM Stereo w/Cassette Player (Analog Tuner)	MS220
AM/FM Stereo w/Cassette Player (Analog Tuner)	MS306
Weatherproof Housing	MRH211
50 Watt 6 ½″ Speakers (White/Black)	AMS6
30 Watt 5″ Speakers (White/Black)	AMS5
30 Watt 4″ Speakers	AMS4
Marine Radio Antenna	AN125

To order any of these products, please call 800-688-3135

OR

Visit our Website at: www.asaelectronics.com

11. Notes

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