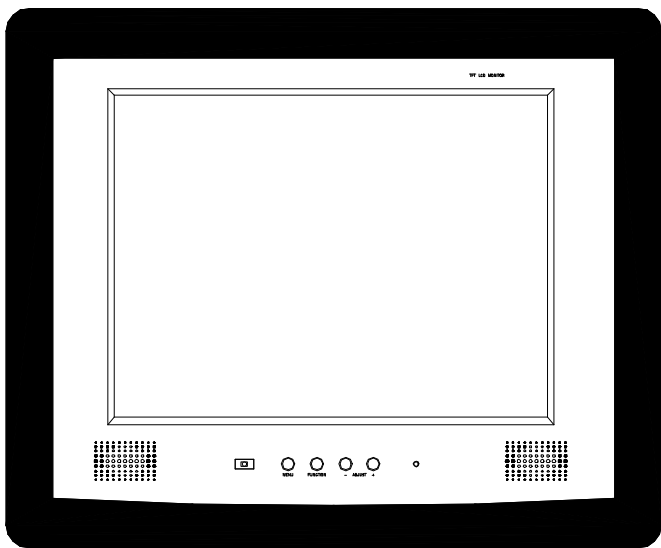




**LCM1511WTV  
COLOR LCD MONITOR  
WITH TV TUNER**



**OWNER'S MANUAL**

Audiovox Specialized Applications, LLC  
23319 Cooper Drive  
Elkhart, IN 46514  
800-688-3135

[www.asaelectronics.com](http://www.asaelectronics.com)

## **PACKING**

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

## **WARNING**

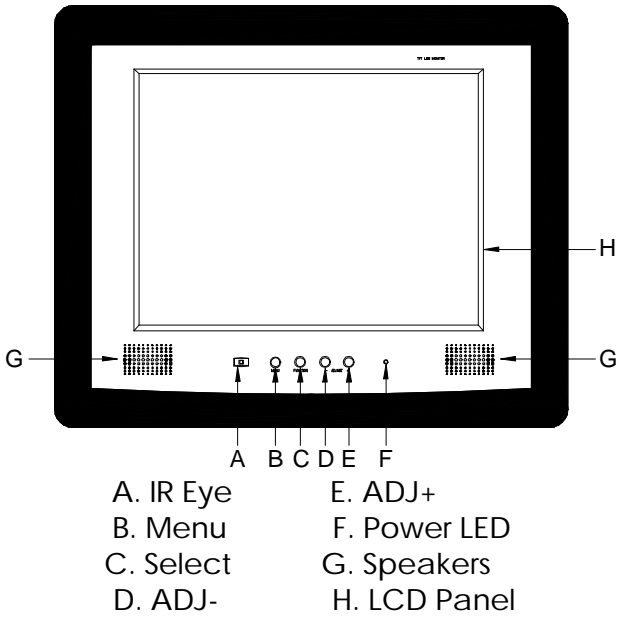
This unit is not intended for installation in the front Driver/Passenger Compartment where it may be seen by the Driver. Installation of this unit in any portion of the vehicle, which could impair or distract the Driver, is improper and dangerous and we assume no liability what-so-ever for failure to follow the proper installation of this product. When attempting to receive a TV signal in a moving vehicle, many unfavorable conditions affect it's reception capabilities compared to a stationary TV.

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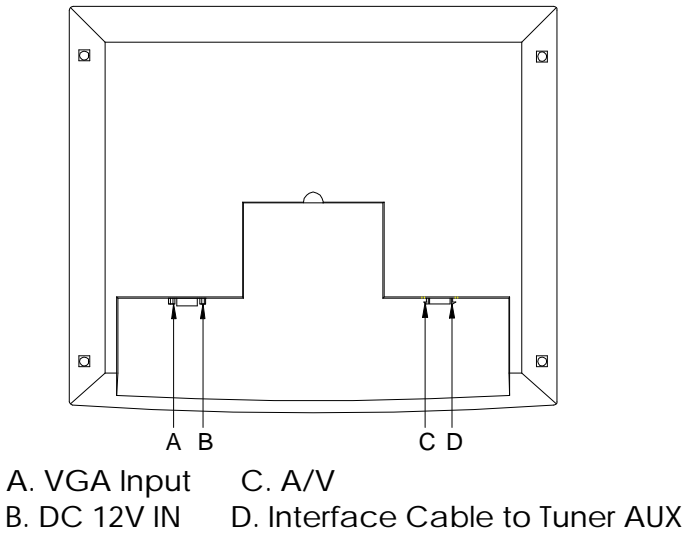
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## **1. LCM Monitor**

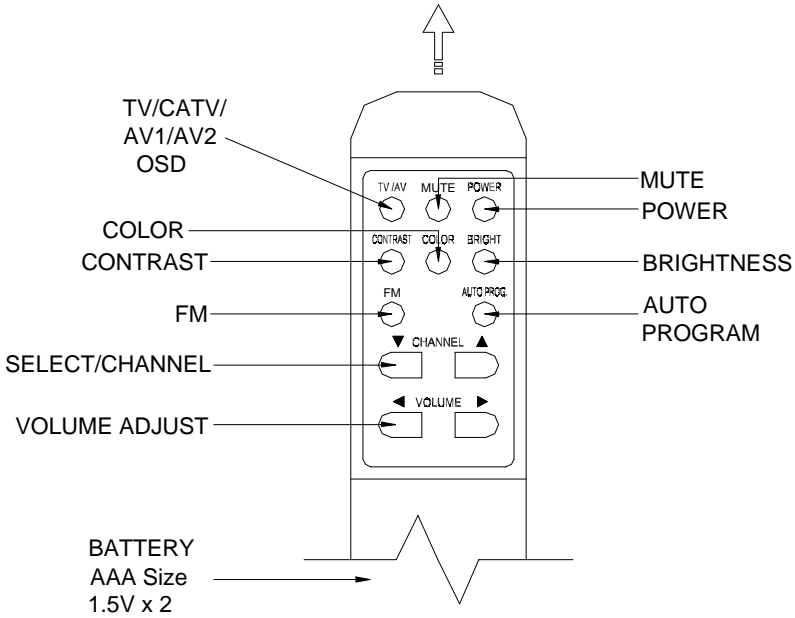
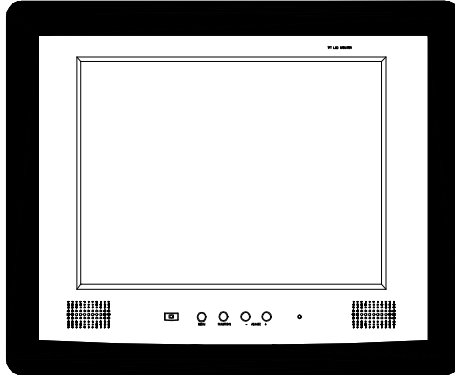
Front



Rear



# LCD, Tuner Pack, IR Remote Control



## Remote Controller

POWER	ON/OFF
CHANNEL	SELECT
VOLUME	ADJUST +/-
COLOR	COLOR

TV/AV	MENU
MUTE	SPKR ON/OFF
CONTRAST	CONTRAST
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.

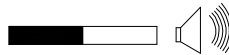
(2) SELECT: Steps between the function ICONS when OSD menu is on.

(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.



See details about the volume control in section 3-2.

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.

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.

OSD ICONS MENU 				
				
Brightness	Contrast	Color	Hue	Volume
				
Pan L/R	Pan U/D	Size L/R	Size U/D	Expansion
				
Mute	Signal	Filter	Color System	Reset to Default

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	(-) <span style="float: right;">(+)</span>	
	H. Position	(-)L <span style="float: right;">R(+)</span>	
	V. Position	(-)Up <span style="float: right;">Down(+)</span>	
	H. Size	(-)Narrow <span style="float: right;">Wide(+)</span>	
	V. Size	(-)Narrow <span style="float: right;">Wide(+)</span>	
	Expansion	(-)Off <span style="float: right;">On(+)</span>	
	Mute Speaker	(-)Off <span style="float: right;">On(+)</span>	
	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 <span style="float: right;">On(+)</span>	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 <span style="float: right;">On(+)</span>	Reset to factory setting
PWR- On/Off		<b>Select</b> + <b>Menu</b>	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 :  " 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 the  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.

#### **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.

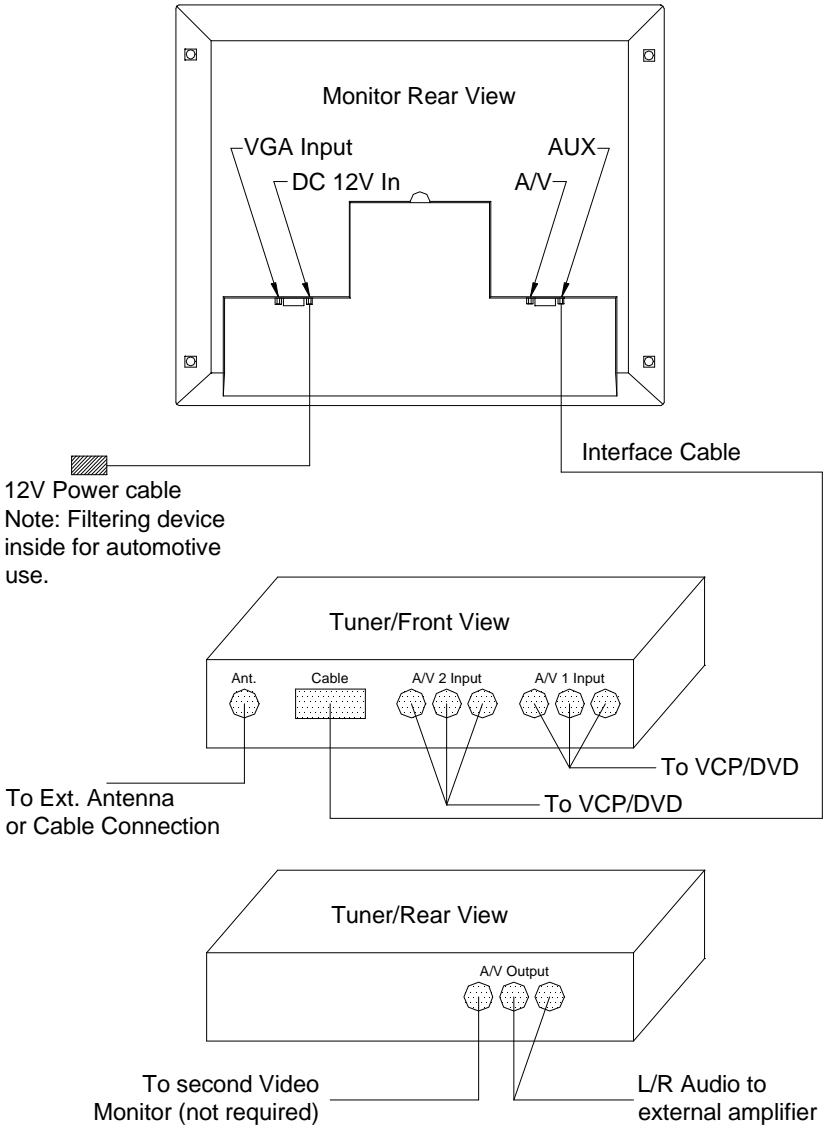
You will see "Volume Bar" on the screen display.

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.

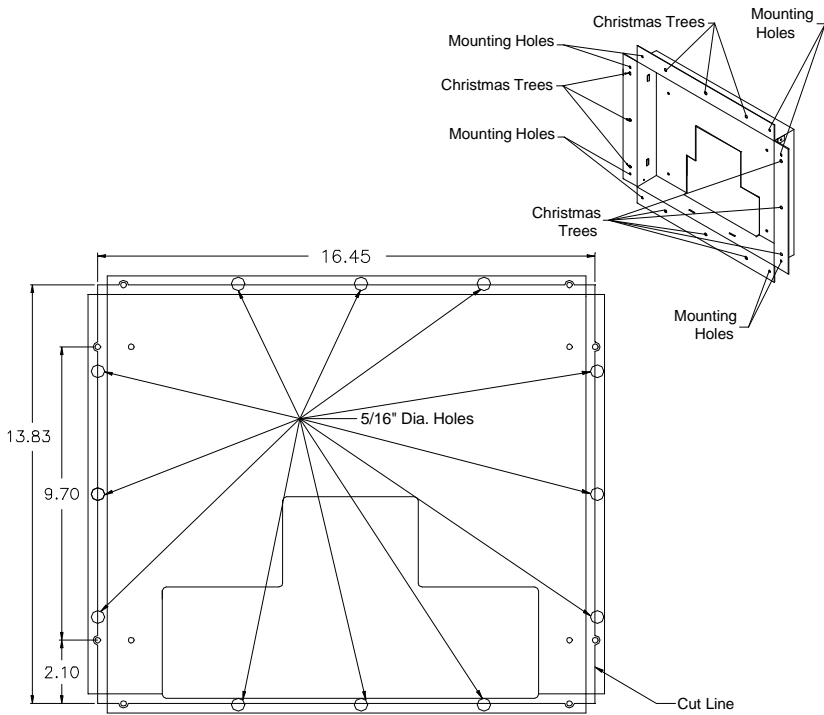
## 6. Installation of Monitor and Tuner Pack



## **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.



## 8. Specifications

Power Input/ Consumption	DC12V $\pm$ 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 $\Omega$ , 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:



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](http://www.asaelectronics.com)

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Revision B





