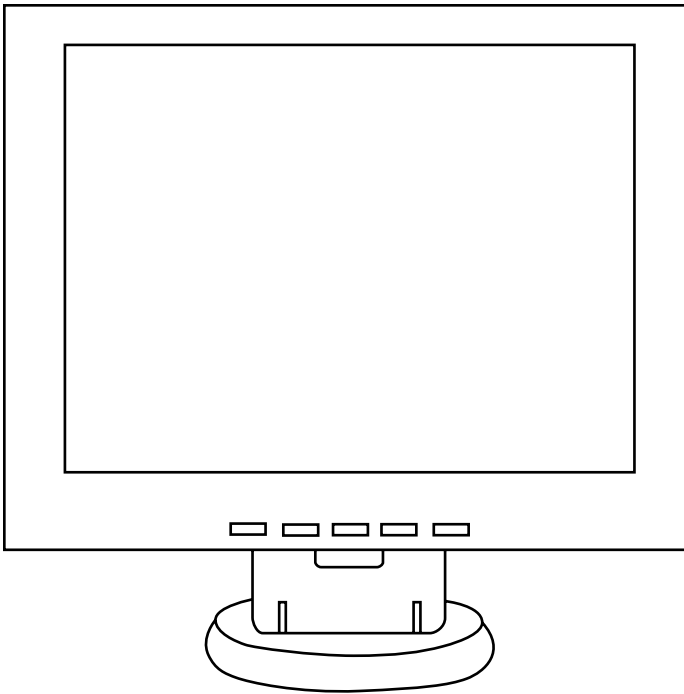


# Marshall Lynx LCD Universal Monitors

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10" User Manual



**Marshall**  
Industrial Video/Security Div.

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	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
Caution: To reduce the risk of electric shock, do not remove the back. There are no user-serviceable parts inside. Always refer servicing to qualified personnel.		

## Graphic Symbol Explanation



The lightening flash symbol inside the triangle is intended to alert the user to the presence of un-insulated and dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.

**Warning– To Prevent Fire or Shock Hazard, DO NOT Expose this Monitor to Rain or Moisture**

**This product must be grounded.**

**Product specifications are subject to change without notice.**

## IMPORTANT SAFEGUARDS

### Caution

Please comply with warning regarding power requirements. The power source contains high voltage parts. If the cover is removed, it may cause fire or electric shock. Do NOT remove the cover.

- 1. Read the Instructions:** All safety and operating instructions should be read before the monitor is operated.
- 2. Follow the Instructions:** All operating and user instructions should be followed.
- 3. Cleaning:** Unplug the monitor from the wall outlet before cleaning. Do not use liquid aerosol cleaners. User only a damp, soft cloth.
- 4. Water and Moisture:** Do not use the monitor in damp environments. For example, do not operate the monitor in bathrooms, sinks, laundry rooms, wet basements or near a swimming pool. Lynx monitors are not recommended for outdoor use.
- 5. Accessories:** Always ensure that the monitor is placed on a solid, steady surface/stand. To avoid any possible danger and/or damage, do not place the monitor on an unsteady stand, stool, or other surface that could result in the monitor falling.
- 6. Ventilation:** Slots and openings in the monitor's cabinet are provided for ventilation and ensure reliable operation of the monitor and to protect it from over-heating. These openings must never be blocked. The monitor should never be placed near or over a radiator or head register. This monitor should not be placed or built in to a rack or bookshelf unless proper ventilation is provided and supplier instructions have been adhered to.

- 7. Object and Liquid Entry:** Never push any kind of object into this monitor through an opening as it may touch dangerous voltage points or short out parts that would result in fire or electric shock. Never spill liquid of any kind into the monitor.
- 8. Repair (Servicing):** Do not attempt to repair this monitor yourself by opening or removing covers. This may expose you to dangerous voltage or other hazards. Refer to a qualified service technician if servicing is necessary. If monitor is opened by anyone other than a factory authorized service center, the warranty is voided. If serial number is removed or tampered with, the warranty is voided.
- 9. Parts Replacement:** When part replacement is required, make sure it is performed by a qualified technician and that the parts are supported by the manufacturer.
- 10. Safety Check:** Upon completion of any service or repair to the monitor, ask the service technician to perform a safety check to ensure that the monitor is in proper operating condition.
- 11. Keep the Instructions:** The safety and operating instructions should be kept for future reference.

## INTRODUCTION

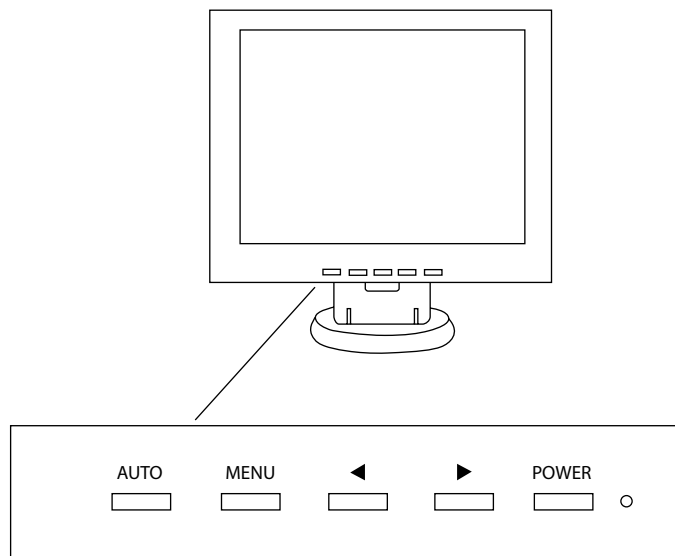
Thank you for purchasing the Marshall Lynx 10" LCD Monitor. The Lynx Series of Universal Monitors offers high performance features and excellent picture quality for use in a variety of industrial/commercial applications.

The information contained in this instruction manual covers the installation and operation of the monitors, and we encourage you to read it carefully. All the installation materials, wire/cables must pass quality inspections in accordance with international electrical rules and laws. When installing your monitor, remember to always adhere to local ordinances and laws concerning wire and cable installation.

## SPECIFICATIONS

Display Unit	10" 4:3 TFT/LCD
Video Input/Output	1 channel SVGA input, 1 channel S-video, 1 channel multiple video BNC input/output.
Audio Input/Output	2-channels RCA input/output 1 channel RCA input
Front Panel Controls	Menu, (Brightness, Contrast, Saturation, Hue, etc.), Color, channel switch, Power Switch
Power Input	AC100V ~ 230V 50 ~60Hz
Power Consumption	Max: 10W
Dimensions	10.5" x 8.4" x 1.6" / 268mm x 215mm x 43mm (W x H x D)
Weight	3.3 lbs/1.5kg
Definition	600 lines
Video System	World Wide Multiple System (NTSC/PAL)
VGA	800 x 600
Audio Frequency	Max: 0.5W
Maximum Brightness	250cd/m <sup>2</sup>
Maximum Contrast:	450:1
Response Time	16ms
Visual Angle	150°/140°
Operating Environment:	Temperature: 0° C ~ 40° C Humidity: 10% ~ 85%

## FRONT PANEL COMPONENTS AND CONTROLS



POWER  
 **Power button (stand-by)**

MENU  
 **Exit Menu**

**When menu is off, adjust volume (0 ~100).**  
  **When menu is on, use to scroll through menu**  
  **When menu is on, use to select or change menu functions**

AUTO  
 **When menu is off, selects video input: Video, S-video and VGA channels**

## SETTING UP THE MONITOR

Carefully unpack the items from the box. After finding a suitable and secure location for the monitor, plug the power cord and AC adaptor into the rear power input (DC12v) and plug the AC adaptor cord into a power source. Turn the monitor on via the power button on the front panel (LED will be green).

## VIDEO MAIN MENU

### 1. Picture

To access the Main Menu features, press Menu on the monitor's front remote. From the Picture Screen, you can make adjustments to Brightness, Contrast, Color, Color Temperature, Backlight, and Sharpness.



Scroll through the options using the ◀▶ buttons on the front panel. To select an item, press the Auto Button on the front panel. From here, use the left and right arrow keys to find the level that suits your taste. To exit, press the Menu button.

Brightness:		0 ~ 100
Contrast:		0 ~ 100
Color:		0 ~ 100
Tint:		0 ~ 100
Backlight:		0 ~ 10
Sharpness:		0 ~ 3

### 2. Function

To access the Function screen, press the Menu button again. The Function screen allows you to change the broadcast standard (PAL, NTSC, etc), Language, OSD Horizontal Position (OSD H-POS), OSD Vertical Position (OSD V-POS), turn the Blue screen on or off, or Reset the monitor back to the original factory settings.

Scroll through the options using the ◀▶ buttons on the front panel. To select an item, press the Auto Button on the front panel. From here, use the left and right arrow keys to find the level that suits your taste. To exit, press the Menu button.

Color System:		Auto/NTSC358 PAL
Language:		Chinese/English
OSD H-POS:		0 ~ 100
OSD V-POS:		0 ~ 100
Blue Screen:		ON/OFF
Auto Source:		ON/OFF
Reset:		→

### Volume Adjustments


To adjust the volume on the Lynx 10" via the Video screen, press the Menu button repeatedly until the video screen appears. Use the left and right arrow keys to adjust the volume.

## VGA MENU MODE

### 1. Picture

In VGA mode, many of the same features can be accessed. Once connected to a VGA source, you can access the Picture screen by pressing Menu and Audio buttons. This will allow you to make adjustments to Brightness, Contrast, Focus, Horizontal and Vertical Position, etc.


Scroll through the options using the ◀▶ button on the front panel. To select an item, press the Auto Button on the front panel. From here, use the left and right arrow keys to find the level that suits your taste. To exit, press the Menu button.

Brightness:		0 ~ 100
Contrast:		0 ~ 100
Focus:		0 ~ 100
Clock:		0 ~ 100
H-Position:		0 ~ 100
V-Position:		0 ~ 100

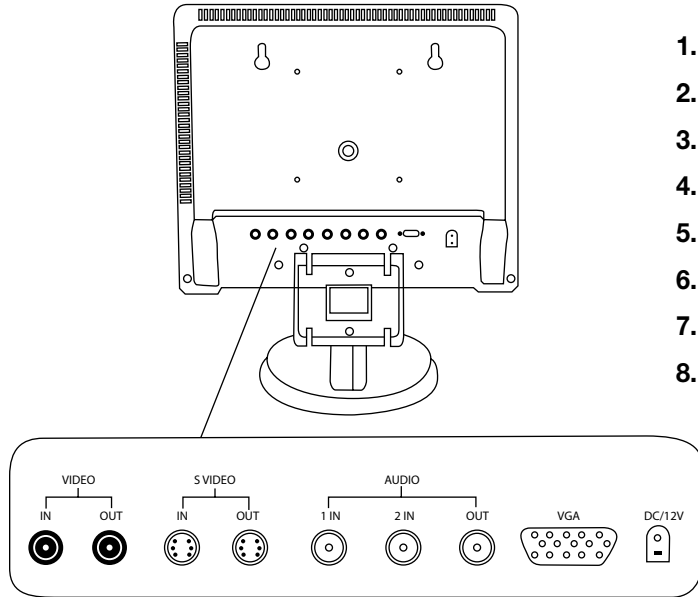
### 2. Function

To access the Function screen, press the Menu button again. The Function screen allows you to change Language, OSD Horizontal Position (OSD H-POS), OSD Vertical Position (OSD-V-POS), Auto Source and Reset the monitor back to the original factory settings.

Scroll through the options using the ◀▶ buttons on the front panel. To select an item, press the Auto Button on the front panel. From here, use the left and right arrow keys to find the level that suits your taste. To exit, press the Menu button.

Language:		Chinese/English
OSD H-POS:		0 ~ 100
OSD V-POS:		0 ~ 100
Auto Source:		ON/OFF
Reset:		→
800 x 600		V: 60HZ

## FRONT PANEL COMPONENTS AND CONTROLS



1. Video - IN
2. Video - OUT
3. S-Video - IN
4. S-Video - OUT
5. Audio 1 -IN
6. Audio 2 - IN
7. Audio OUT
8. VGA

## TROUBLESHOOTING

1. **No picture on the screen**  
Make sure the power cord is securely connected and that the front LED is green.
2. **No Power**  
Make sure the power cord is securely connected to the adapter and that the light on the adapter is green.
3. **VGA screen is not clear**  
Adjust the resolution to the true resolution of 800 X 600.
4. **Color deviation.**  
Check the signal cable to make sure it is tightened correctly. The pins in the cable could be loose and causing a bad connection.

## Lynx Monitors VGA Resolution Chart

√ = Resolution Supported    × = Not Supported

RESOLUTION			
<b>800X600</b>		<b>1280x960</b>	
60Hz	√	60Hz	√
70Hz	√	70Hz	√
72Hz	√	72Hz	√
75Hz	√	75Hz	√
85Hz	×	85Hz	√
<b>1024X768</b>		<b>1280x1024</b>	
60Hz	√	60Hz	√
70Hz	√	70Hz	√
72Hz	√	72Hz	√
75Hz	√	75Hz	√
85Hz	√	85Hz	√
<b>1152x864</b>		<b>1600x1024</b>	
60Hz	√	60Hz	×
70Hz	√	70Hz	×
72Hz	√	72Hz	×
75Hz	√	75Hz	×
85Hz	√	85Hz	×
<b>1280x720</b>		<b>1600x1200</b>	
60Hz	√	60Hz	×
70Hz	√	70Hz	×
72Hz	√	72Hz	×
75Hz	√	75Hz	×
85Hz	×	85Hz	×
<b>1280x800</b>			
60Hz	×		
70Hz	×		
72Hz	×		
75Hz	×		
85Hz	×		