



702 SERIES INSTALLATION MANUAL

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Features | 2

Features

- For In-Car Computing, PC, Server, GPS, and various VGA Use
- 5-wire Resistive Touch Screen (USB)
- Multi-Monitor Touchscreen Support
- VGA Input (15 pin D-SUB) x 1
- Video Input x 2
- Audio Input / Built-in Speaker
- NTSC / PAL Multi-System
- 16x9 Aspect Ratio
- High Resolution Display - up to 1600 x 1200
- Upgraded High-Brightness LED
- Adjustable backlight level for night-time use
- Pixelworks High Performance Image and Video Signal Processor
- AISS - Advanced Image-Scaling and Shaping
- 16:9 / 4:3 Scaler Settings- Last Input memory
- Last Power Setting memory
- IR Remote Control
- Auto power-on upon signal detection
- Automatic display adjustment
- On Screen Display Control
- Mirror Image Flip
- Vertical Image Flip
- Stand: 360° / Height Adjustment
- 20-Pin heavy-duty connector
- Anti Glare Coating
- Supports 11V DC ~ 32V DC
- Sunlight readable w/ Anti-Reflective Touchscreen
- "E" Mark Certified for Automotive use

3 | Specification

Specifications

- Display Specifications:**
- Screen Size: Diagonal 7" (16:9)
 - Physical Resolution: 800 (H) x 480 (V)
 - Pixel Pitch: 0.1905 x 0.1905 mm
 - Dot Resolution: 2400 x 480 = 1,152,000 (dots)
 - Supported Resolution: 640 x 480 ~ 1600 x 1200
 - Supported Refresh Rate: 60 ~ 75Hz
 - LCD Panel Brightness: 1,000 cd/m²
 - Contrast Ratio: 400 : 1
 - Response Time: 30ms
 - Viewing Angle: Vertical: 100 / Horizontal: 140
 - Colors: 18-bit (262,144 Colors)
- Physical Specifications:**
- Video Source Input
 - RGB analog male connector (15-Pin D-SUB) x 1
 - RCA composite video female connector x 2
 - Audio Source Input
 - RCA audio female connector x 1
 - Touch Panel I/O
 - USB connector x 1
 - Power Source Input
 - Single 12V DC IN (Supports 11V ~ 32V)
 - External Buttons Input
 - OSD buttons for Menu/Select/Increase/Decrease/Dimmer
 - PWR button for power switch
 - Dimension (in): 7.87W x 5.12H x 1.30D
 - Weight (lb): 1.35
- Electrical Specifications:**
- Operating Voltage Range: DC 11V ~ 32V, 1A
 - Power Supply: DC 12V
 - Power Consumption:
 - Standby mode < 0.36W
 - Suspend mode < 9.6W
 - Continue mode < 10.08W
- Other Specifications:**
- Operating Temperature: 23°F ~ 158°F
 - FCC, CE, E13 Certification
 - ROHS Compliant
 - 24 Month Warranty



Optional Mounting Stand

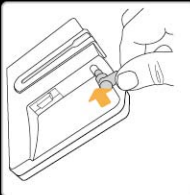
Step1.
Slide Monitor into optional mounting stand



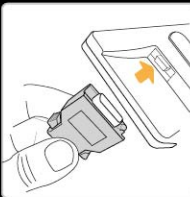
Step2.
Secure "Height" position by adjusting knob



Step3.
Secure "Tilt" position by adjusting knob

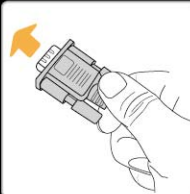


Create Power Source
Insert Power Adapter as shown



Create VGA Source

Step1.
Attach the 20-Pin connector to the back of the monitor



Step2.
Attach the D-Sub 15-Pin connector to your computer's analog VGA output connector

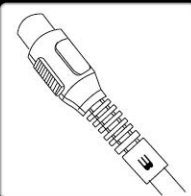


Create Audio / Video Source

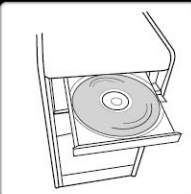
Step1.
Attach your "video source one" (e.g.VCR, video Game Console) to the Yellow RCA connector marked Video 1.



Step2.
Attach your "video source two" (e.g. Rear View camera) to the Yellow RCA connector marked Video 2.

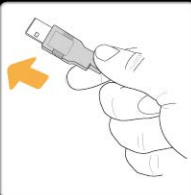


Step3.
Attach your "audio source" to the white RCA connector. The sound will be output through the monitor's internal speaker.



Touchscreen Installation

Step1.
Install the Touchscreen driver from the included CD disk.



Step2.
Attach the USB plug to your computer's USB connector.

Congratulations

Your monitor is now ready for use.

702TSV

External Buttons, Hot keys description:

Note: The Hot keys are only available while the OSD menu is off.

- "M" - Stands for Menu. Use this button for OSD menu on/off toggling.
- "S" - Stands for Select. Use this button for selection while OSD menu is on. Use this button as a hot key to switch video channel directly when OSD menu is off, following this sequence: VGA ->Video1 -> Video2 ->VGA.
- "^" - Stands for Increase. Use this button to increase value while OSD menu is on. Use this button as a hot key to increase speaker volume directly when OSD menu is off.
- "v" - Stands for Decrease. Use this button to decrease value while OSD menu is on. Use this button as a hot key to decrease speaker volume directly when OSD menu is off.

"D" - Stands for Dimmer. Use this button to quickly dim the backlight for night time use, following this rotation:Full Brightness ->Medium Brightness -> Low Brightness -> Full Brightness.

On Screen Display functions description:

In VGA input Mode (There are two OSD's in VGA mode):

Primary On Screen Display functions description:

The primary OSD can be turned on by pressing the button "M." Adjustments can only be made when VGA source is present.

- Bright**
- Adjust brightness by pressing the Increase/Decrease buttons. Increase the number for higher brightness. Decrease the number for lower brightness.
- Contrast**
- Adjust contrast by pressing the Increase/Decrease buttons. Increase the number for higher contrast. Decrease the number for lower contrast.
- Horz Pos**
- Adjust Horizontal position by pressing the Increase/Decrease buttons.
- Vert Pos**
- Adjust Vertical position by pressing the Increase/Decrease buttons.
- Phase**
- Adjust CLK phase alignment by pressing the Increase/Decrease buttons. (Image flicker can be avoided by CLK phase adjustment.
- Auto Detect**
- Adjust display automatically.

Secondary On Screen Display functions description:

The secondary OSD can be turned on by pressing "M" twice (press "M" one more time when the primary OSD is on).

- Backlight**
- Adjust the LED backlight output level. Increase the number for higher output. Decrease the number for lower output.

Default
- Load default setting.

- AV2 First**
- Set whether to have monitor switch to Video Input 2 automatically if a signal is present. Good for car reverse monitoring system. Default is No.

In Video input Mode: (There is only one OSD in Video mode)

On Screen Display functions description:
The OSD can be turned on by pressing the button "M" and turned off immediately by pressing "M" again. Adjustments can only be made when video source is present.

- Bright**
- Adjust brightness by pressing the Increase/Decrease buttons. Increase the number for higher brightness. Decrease the number for lower brightness.

Contrast
- Adjust contrast by pressing the Increase/Decrease buttons. Increase the number for higher contrast. Decrease the number for lower contrast.

Color
- Adjust color by pressing the Increase/Decrease buttons. Increase the number for higher color saturation. Decrease the number for lower color saturation.

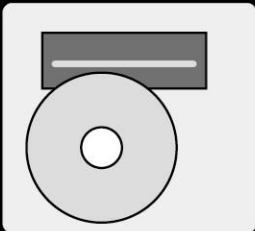
Default
- Load default setting.

- Backlight**
- Adjust the CCFL backlight output level. Increase the number for higher output. Decrease the number for lower output.

- AV2 First**
- Set whether to have monitor switch to Video Input 2 automatically if a signal is present. Good for car reverse monitoring system. Default is No.

Scaler
- Set the display mode to 16:9 or 4:3. Set it to 4:3 if your video signal is in 4:3 aspect ratio and you don't want the display to be stretched out. Default is 16:9.


Touchscreen Installation




Touch driver software installation package was created with Installshield tool. Please use touch tools CD + Quick install guide for installation.


IR Remote Control
702 TSV



POWER
 **POWER:** Turns the Monitor on from standby or off to standby mode.


SCAN
 **SCAN:** Changes the signal type type from **Video1** -> **Video2** -> **PC mode**

YES
 **YES:** Changes aspect ratio to 16:9 or 4:3.

MUTE
 **MUTE:** Turns the sound on and off.

MENU
 **MENU:** Displays main menu.

 **PROGRAMME UP/DOWN:** Selects next programme or menu item.

 **UP/DOWN:** Adjusts the sound level or the menu settings.

PIP
 Non-Functional.

POP


NOTE

NOTE 1:
If you are trying to connect the monitor to a laptop computer, please make sure to enable the 15-Pin D-SUB external monitor output located at the back of your laptop computer. Some laptop computers have three modes: Laptop Display Only, Laptop Display plus External Monitor, and External Monitor Only. If this is the case, please switch to the External Monitor Only mode.

NOTE 2:
Touch Screen device driver must be installed onto your computer in order for the Touch Screen to become functional. Xenarc Technologies uses Resistive Touch Screen Panels in the 702TSV line of monitors. Touch Screen drivers and software for different operating systems can be found in the included CD-ROM disc.

NOTE 3:
The maximum voltage supported by the monitor is **32VDC**. Feeding the monitor with higher voltage will damage the monitor and void the warranty. Please use a fused power source if you decide to wire the monitor directly to your car's electrical system. It is also crucial that you check the polarity of the connection.

NOTE 4:
If the monitor is not displaying the VGA signal properly, the VGA signal might be out of range. Please try changing your display refresh rate to 60,70,72, or 75Hertz.

NOTE 5:
Please note that the LCD screen is made with high-precision technology. However, black points or bright points of light (red, blue, or green) may appear constantly on the LCD screen, and irregular colored stripes or brightness may appear on the LCD screen. This is not a malfunction. (Effective dots: more than 99.999%)

For Technical Support, please contact us at:

Xenarc Technologies Corp.
Toll Free: 888-656-6536
E-mail: support@xenarc.com
Website: www.xenarc.com

Owner's Records

The model and serial numbers are located on the rear of the unit. Please record these numbers in the spaces provided below, as well as the dealer name, address, and telephone number. Please refer to these records whenever speaking to your dealer regarding this product.

Model Number: _____

Serial Number: _____

Dealer Name: _____

Streath Address: _____

City: _____

State: _____

Zip: _____

Phone Number: _____

Purchase Date: _____

