

TM/LM-2008E Standalone POS Monitor User Manual



Package Contents

- ✓ 8" TM/LM-2008E Standalone Monitor.....(x 1)
- ✓ VGA Cable.....(x 1)
- ✓ USB type A to B cable (for TM-2008E only).....(x 1)
- ✓ Power Cord.....(x 1)
- ✓ 12V/18W Power Adapter.....(x 1)
- ✓ User Manual.....(x 1)

Product Features

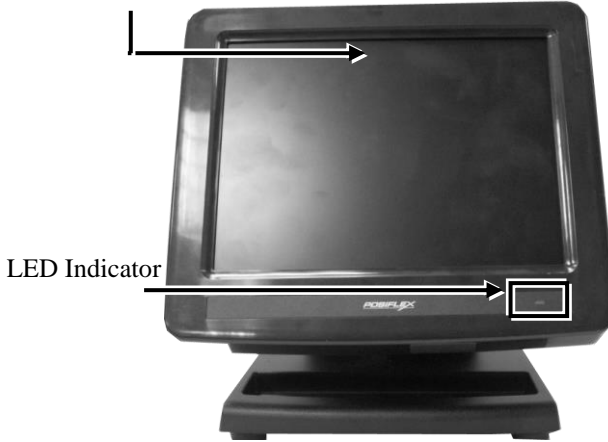
- 8" LCD monitor with tilt adjust for industrial and commercial use
- Application covers POS, POI (Kiosk), Factory Automation etc.
- High quality TFT LCD panel
- Spill proof and easy maintenance structure allowing easy cleaning
- Super VGA interface super resolution up to 800 x 600 pixels
- Support power supply through VGA cable from Posiflex POS systems to operate without power adaptor
- Resistive type extra long life touch panel in USB interface (for TM-2008E)
- Touch functions include left/right button, double click, drag & drop (for TM-2008E)
- Touch beep can be pitch adjusted/enabled/disabled by software control (for TM-2008E)

Views of the TM/LM-2008E

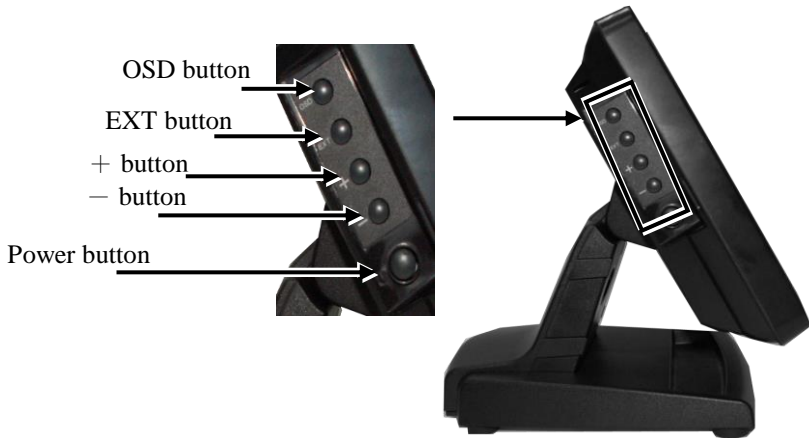
Front View

8" LM-2008E LCD Panel

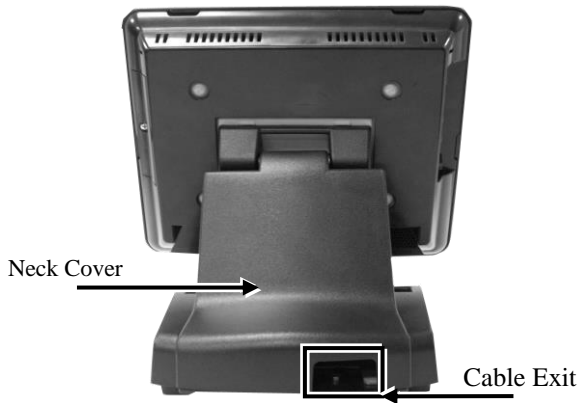
8" TM-2008E Resistive Touch Panel



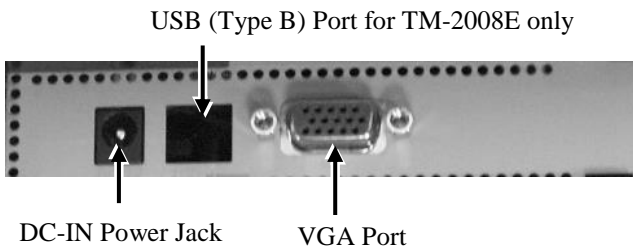
Left-side View



Rear View



I/O Ports of TM/LM-2008E



Positioning your monitor for a Perfect Viewing Angle

Tilt the screen in the direction shown by the arrow in the figure.



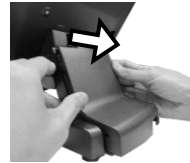
Connecting VGA and USB Cables

Gen6 base features its own cable management to help you well organize the cords. The following will provide some useful cable-routing instructions for you to connect VGA and USB cables to TM/LM-2008E.

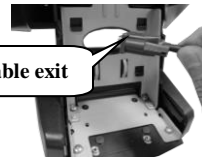
1. Tilt the display all the way down.



2. To remove the cable cover at the rear of the terminal, pull the four locking levers outwards with your fingers and slide the cover in the direction shown by the arrow.



3. Tilt the screen upwards, and then have the cables pass through the cable exit.



Cable exit

4. Connect the monitor to the terminal using VGA cable.

- 4.1 Connect one end of the VGA cable to the VGA port at the bottom I/O plate of your monitor.



- 4.2 Take the other end of VGA cable to insert it into the VGA port of your terminal.

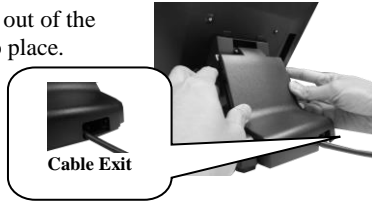
5. **For TM series**, please connect the monitor to the terminal using USB type A to B cable to enable touch function for your monitor.

- 5.1 Grab Type-B connector of USB cable, and then insert it into Type-B USB port of your monitor



- 5.2 Properly attach Type-A connector of USB cable to your POS terminal.

6. After making sure the cable is threaded out of the cable exit, put the cable cover back into place.



Power LED Indicator

Power LED indicator, located at the bottom of the screen, is used to notify users of the current status of your monitor by emitting various LED signals. Please refer to the below chart to accurately interpret the of the indicators status to facilitate your troubleshooting.

Status	Description
ON, solid blue	System power ON
ON, solid orange	System Standby
OFF	System power OFF

Setting up Display Resolution for Your Monitor

The below chart defines the list of recommended display settings for TM/LM-2008E. Improper display configuration will prevent the monitor from properly displaying the image and lead to a warning message of “out of range” prompted on the screen.

Display Resolution	Refresh Rate (Hz)	Horizontal Frequency (KHz)
640*480	60	31.5
	72	37.9
	75	37.5
720*400	70	37.9
800*600	56	35.1
	60	37.9
	72	48.1
	75	46.9
	70	56.5
	75	60

Powering ON/OFF your Monitor

To start up TM/LM-2008E, you have to make sure that the monitor is well connected to POS terminals and electricity is supplied to the monitor either through POS terminals or through external power sources. For the users who prefer Posiflex POS system as primary power sources to power your monitor using VGA cable, please also refer to the **Activating Power Output to VGA Port via BIOS Settings** section to confirm that VGA port of your terminal is indeed enabled.

Power ON TM/LM-2008E

Press the power button of the terminal to power up the terminal. Few seconds later the monitor will be initiated automatically.

Power OFF TM/LM-2008E

After following the standard shutdown procedure to shut down your terminal, the monitor will be consequently turned off.

Activating Power Output to VGA port via BIOS Settings

In general, Posiflex terminals will disable the VGA power output in BIOS due to safety concerns. In the case of using your Posiflex terminal to supply power to monitors, it is required to manually enable the VGA power of the terminals in BIOS settings so that the monitor is able to extract power from the Posiflex terminals. However, if the monitor you are using is not manufactured by Posiflex, it is strongly suggested to deactivate the VGA power of your terminal in preventing your device from being damaged.

The following will describe the steps required to enable VGA port in BIOS setting. **For those users who intend to power the monitors using power adaptor included in your package, you may skip this section.** Besides, please DO NOT plug the VGA cable into VGA connectors while the terminal is still running.

1. Make sure that TM/LM-2008E is well connected to the Posiflex terminals using the VGA cable.
2. Press the power button of the POS to power on the POS. During the boot process, hit **F2** key to access BIOS setting.
3. Navigate through BIOS using arrow and Enter keys to access the setting of VGA port. If it is set to be disabled, hit **Enter** key to enable the VGA power output.
4. Switch to **Exit** tab and select **Exit Saving Changes** option. Choose **Yes** in Setup Confirmation message box to save your configurations.
5. After rebooting your POS, make sure the monitor is correctly detected.

Using the OSD Menu

OSD, as known as On-Screen Display, is employed to assist users in adjusting a variety of monitor-related settings depending on personal preference. Through this section, it is expected to familiarize you with the options which are accessible via OSD menu, and to optimize your experiences with TM/LM-2008E.

Power & OSD Buttons

Power & OSD buttons are available on the right-hand side of the LCD monitor. Each of four OSD controls works differently in various occasions. Please refer to the below figure to get an idea of how they could possibly function in relation to OSD menu.



Icon	Description
OSD button	While OSD menu is activated: <ul style="list-style-type: none">● to select the specific menu option While OSD menu is deactivated: <ul style="list-style-type: none">● to activate the OSD menu
EXT button	While OSD menu is activated: <ul style="list-style-type: none">● to exit from the current configuration
“+” Button	While OSD menu is activated: <ul style="list-style-type: none">● to navigate through OSD menu options● to increase the value of the specific item
“-” Button	While OSD menu is activated: <ul style="list-style-type: none">● to navigate through OSD menu options● to decrease the value of the specific item While OSD menu is deactivated: <ul style="list-style-type: none">● to initiate auto-adjustment function
Power Button	<ul style="list-style-type: none">● turn on/off the monitor

OSD Options

Please refer to the following table for further explanation of the accessible items.

OSD Menu Options	Sub-menu items & Description
Color	<ul style="list-style-type: none"> ➤ Contrast Press the “+” button to increase contrast; Press the “-” button to decrease contrast. ➤ Brightness Press the “+” button to increase brightness; Press the “-” button to decrease brightness. ➤ Color Adjust Use “+” or “-” button to define RGB values for the monitor. ➤ Color Temp Use “+” or “-” button to define color temperature among the available options.
Image Setting	<ul style="list-style-type: none"> ➤ Clock Use the “+” or “-” button to adjust the Clock setting for VGA input. ➤ Phase Use the “+” or “-” button to adjust the Phase setting for VGA input. ➤ Sharpness Press the “+” button to increase sharpness; Press the “-” button to decrease sharpness.
Position	<ul style="list-style-type: none"> ➤ H. Position Press the “+” button to move the screen to the right; Press the “-” button to move the screen to the left. ➤ V. Position Press the “+” button to move the screen up; Press the “-” button to move the screen down.

OSD Menu Options	Sub-menu items & Description
OSD Menu	<ul style="list-style-type: none"> ➤ H. Pos. Press the “+” button to move OSD menu to the right; Press the “-” button to move OSD menu to the left. ➤ V. Pos. Press the “+” button to move OSD menu up; Press the “-” button to move OSD menu down. ➤ OSD Timer Press “+” or “-” buttons to specify the length of time for OSD menu to stay active on the screen.
Language	Use “+” or “-” buttons to specify the language used in the OSD menu.
Misc	Determine whether or not to restore the current menu back to the default setting.
Exit	Save the current setting and exit OSD menu.

Specifications

	TM-2008E	LM-2008E
Display		
LCD Panel	8" TFT LCD	
Resolution	800 (H) x 600 (V)	
Active Area	162.0mm (H) x 121.5mm (V)	
Pixel Arrangement	R.G.B. Stripe	
Viewing Angle	50/70/70/70 degree (U/D/L/R)	
Contrast Ratio	500 : 1	
Response time	10ms (Raising)/ 15ms (Falling)	
Brightness	250 cd/m ²	
Power Supply	12V / 18W	
Display Interface	VGA	
Touch		
Touch type	5-wire Resistive	N/A
Interface	USB	N/A

※ The product information and specifications are subject to change without prior notice. To get the detailed information on TM/LM-2008E, please check this model from Posiflex Global Website

(<http://www.posiflex.com/en-global/Download/download>).