

MultiPlex  
15" Touch Screen

# User's Manual

# Preface

## Precautions

1. **READ INSTRUCTIONS:** All the safety and operating instructions should be read before the LCD monitor is operated.
2. **RETAIN INSTRUCTIONS:** The safety and operating instructions should be retained for future reference.
3. **CLEANING:** Unplug the LCD monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. **ATTACHMENTS:** Do not use attachments not recommended by the manufacturer as they may result in the risk of fire, electric shock or injury to persons.
5. **WATER AND MOISTURE:** Do not use the LCD monitor near water -- for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, or the likes.
6. **ACCESSORIES:** Do not place the LCD monitor on an unstable cart, stand or table. The LCD monitor may fall, causing serious injury to a child or adult, and serious damage to the equipment. Use mounting racks approved by the manufacturer.
7. **VENTILATION:** Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the LCD monitor and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the LCD monitor on a bed, sofa, rug, or other similar surface. The LCD monitor should never be placed near or over a radiator or heat register.
8. **POWER SOURCES:** The LCD monitor should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
9. **GROUNDING OR POLARIZATION:** This LCD monitor may be equipped with a polarized alternating - current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
10. **POWER CORDS:** Do not allow anything to rest on the power cord. Do not place the LCD monitor where the cord will be stepped on by persons.
11. **HEED WARNINGS:** Follow all instructions marked on the LCD monitor.
12. **LIGHTNING:** For added protection of the LCD monitor during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the device due to lightning and power-line surges.
13. **OVERLOADING:** Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
14. **SAFETY CHECK:** Upon completion of any service or repairs to this LCD monitor, ask the service technician to perform safety checks to determine that the LCD monitor is in proper operating condition.
15. **FIELD INSTALLATION:** This installation should be made by a qualified service person and should conform to all local codes.
16. **OBJECT AND LIQUID ENTRY:** Never push objects of any kind into the LCD monitor through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the device.

17. **SERVICING:** Do not attempt to service the LCD monitor yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
18. **DAMAGE REQUIRING SERVICE:** Unplug the LCD monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - When the power cord, or power adapter, or the plug has been damaged.
  - If liquid has spilled, or objects have fallen into the LCD monitor.
  - If the LCD monitor has been exposed to rain or water.
  - If the LCD monitor does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the LCD monitor to its normal operation.
  - If the LCD monitor has been dropped, or the cabinet damaged.
  - When the LCD monitor exhibits a distinct change in performance -- this indicates a need for service.

## Federal Communications (FCC Statement)

This device complies with FCC Rule Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesirable operation.

This equipment has been tested and found to comply within the limit of a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by switching the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the interference receiving the antenna.
- Increase the distance of separation between the equipment and interference receiver.
- Connect the equipment to a power outlet on a circuit different from that to which the interference receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

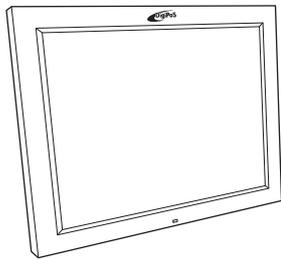
# Chapter 1

## Introduction

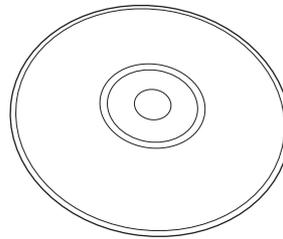
Thank you for purchasing the DigiPos Multiplex Touch Screen LCD. This easy-to-use touch screen LCD is designed to help you enhance your business flexibility. It is compatible for use in most POS terminal systems.

### Package Contents

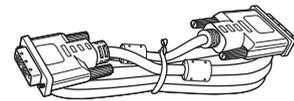
Your package comes with the following items. If any of them is missing, please contact your retailer.



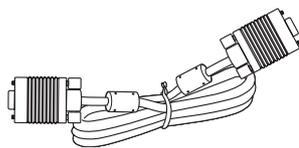
MultiPlex Touch  
Screen



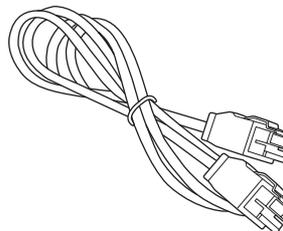
CD-ROM



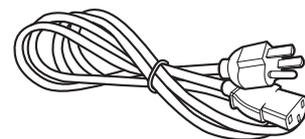
DVI-D cable (optional)



VGA cable



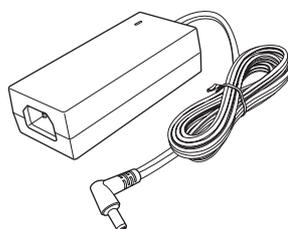
USB cable (12V)



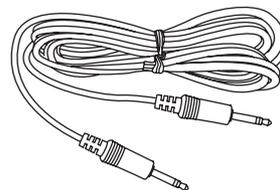
Power cord (optional)

**NOTE:**

MultiPlex touch screen can be connected to a POS terminal using a powered USB connector. Thus power cord and power adapter are sold separately.



Power adapter  
(optional)



Audio cable (optional)

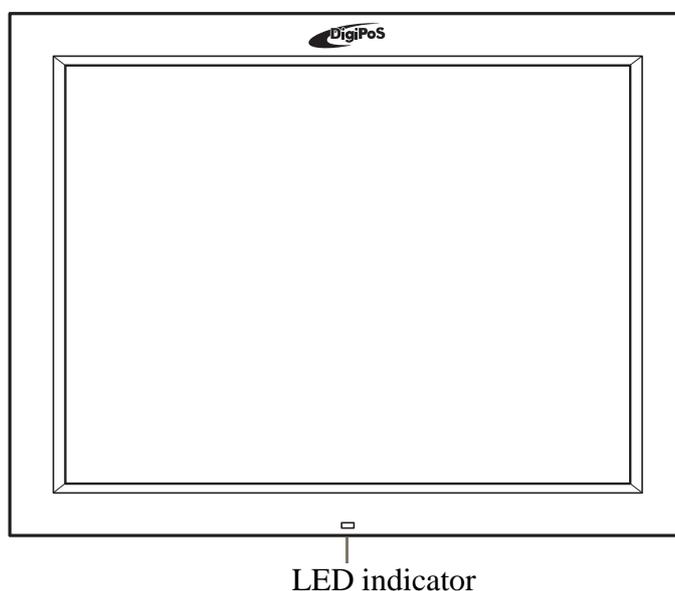
VESA Mounting are not included in the package and are sold separately.

# Features

- Touch screen
- Capable for future expansions
- User friendly On Screen Display (OSD) menu
- Space-saver
- Mountable
- Compatible for use with POS terminal systems
- Low power consumption

## Overview of MultiPlex Touch Screen

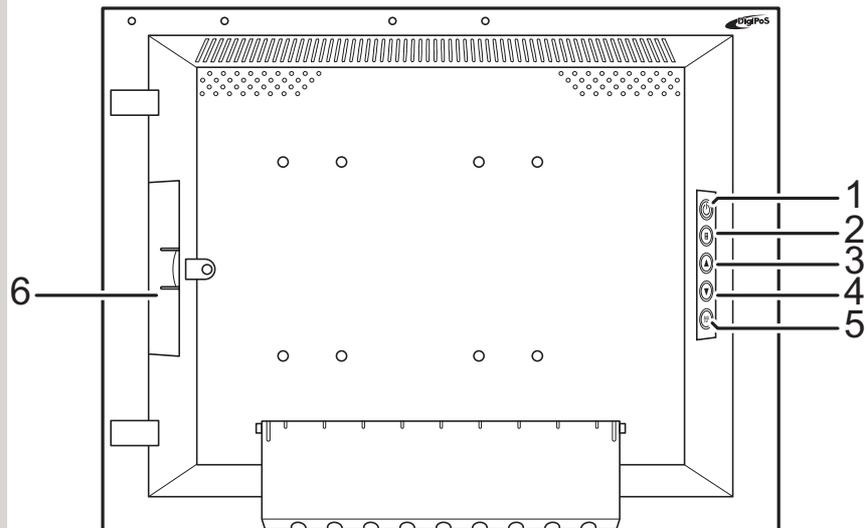
### Front View



The LED indicator indicates the power mode of your touch screen LCD.

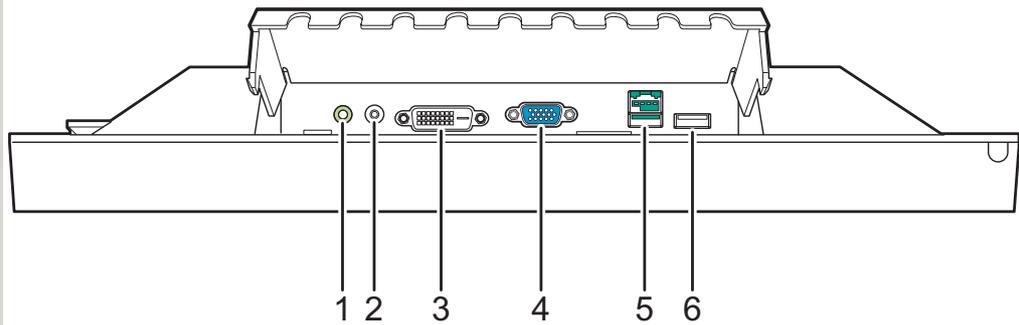
LED Color	Mode
RED	Standby mode.
GREEN	System start up.

## Rear View



No.	Item	Description
1	Power button	Press the Power button to turn on the touch screen.
2	Menu button	Press the Menu button to activate OSD menu.
3	Up button	Press the Up button adjust settings like brightness, volume, and contrast.
4	Down button	Press the Down button adjust settings like brightness, volume, and contrast.
5	Auto/Exit button	Press the Auto to automatically adjust touch screen settings. Press the Exit button to exit OSD menu.
6	Compartment	A blank compartment use for expansion. Users can add other components like a magnetic stripe reader or other customer display.

## Bottom View



To easily access the connectors on the bottom of the monitor, slightly press the sides to lift the connector cover.

No.	Item	Description
1	Audio port	Use to connect audio devices.
2	12V DC Output	Use to connect the touch screen to the power cord.
3	DVI-D port	Use to connect DVI-D devices.
4	VGA port	Use to connect devices using D-sub cable.
5	12V Powered USB port	Use to connect and to be powered up by a POS terminal.
6	USB port	Use to connect devices using HDMI cable.

# Chapter 2

## Making Connections

This chapter describes how to install the MultiPlex touch screen to the POS terminal using the different connectors. It also describes how to connect the MultiPlex touch screen to other optional accessories.

To easily access the connectors located at the bottom of the MultiPlex touch screen, lift the connectors cover.

To properly place and secure connections to the MultiPlex touch screen, put the connectors cover back until the locks are placed firmly within the slots.

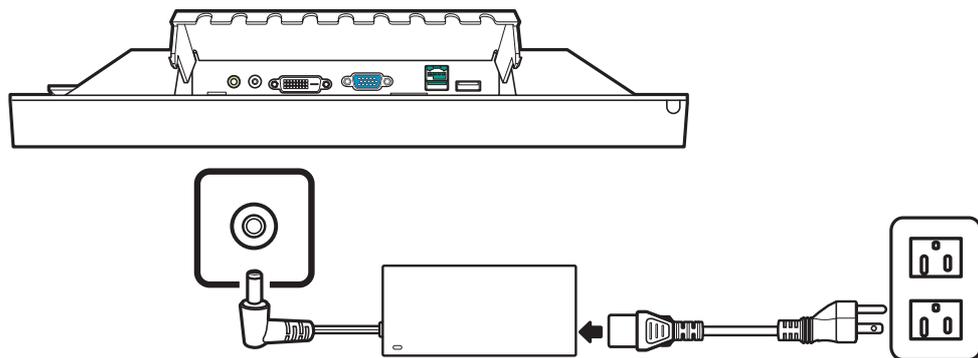
### Connecting the Power

The MultiPlex touch screen is designed to connect and consume power from the POS terminal using the powered USB port. However, if you use other connectors to other than the powered USB, you have to power up the MultiPlex touch screen separately. To do this, you have to use the power cord and power adapter.

To connect :

1. Connect the power cord to the power adapter.
2. Connect the power adapter socket to the MultiPlex touch screen.
3. Connect the power plug to a live outlet.

See illustration below.



#### NOTE:

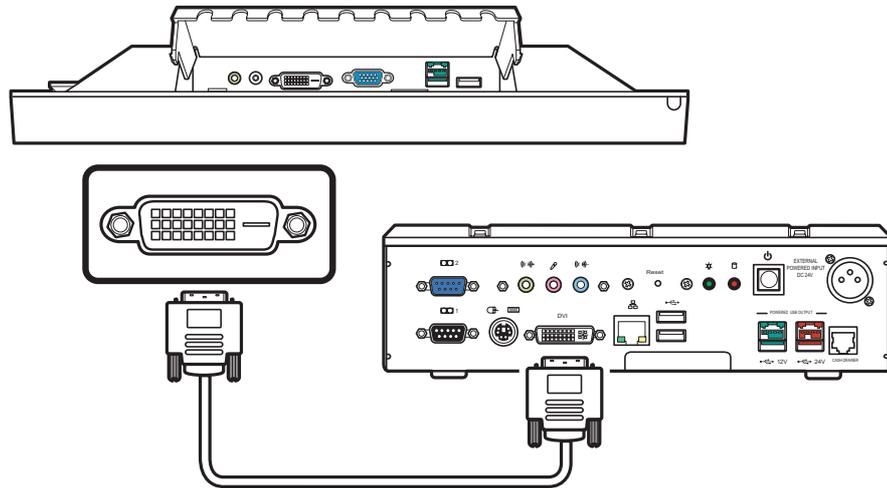
- The power cord and the power adapter are sold separately.
- Use only the power cord and power adapter approved by the manufacturer.

## Connecting to POS Terminals using DVI-D cable

Connect one end of the DVI-D cable to the DVI-D port of the MultiPlex touch screen and the other end to the Point-of-Sale (POS) terminal. Screw the cables to ensure proper connection. See illustration below.

### NOTE:

You need to use a power cord and power adapter to power up MultiPlex touch screen.



## Connecting to POS Terminal using USB cable

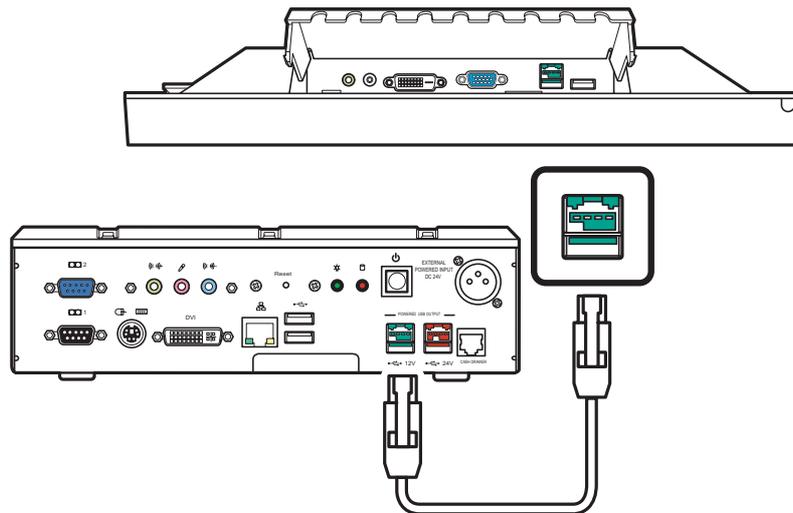
The MultiPlex touch screen is equipped with a 12V powered USB port. When you connect the MultiPlex touch screen to a POS terminal using the powered USB cable, the MultiPlex touch screen is automatically powered up by the POS terminal. No need to connect the power using the power cord and power adapter.

Connect one end of the powered USB cable to the USB port of the MultiPlex touch screen and the other end to the POS terminal.

### NOTE:

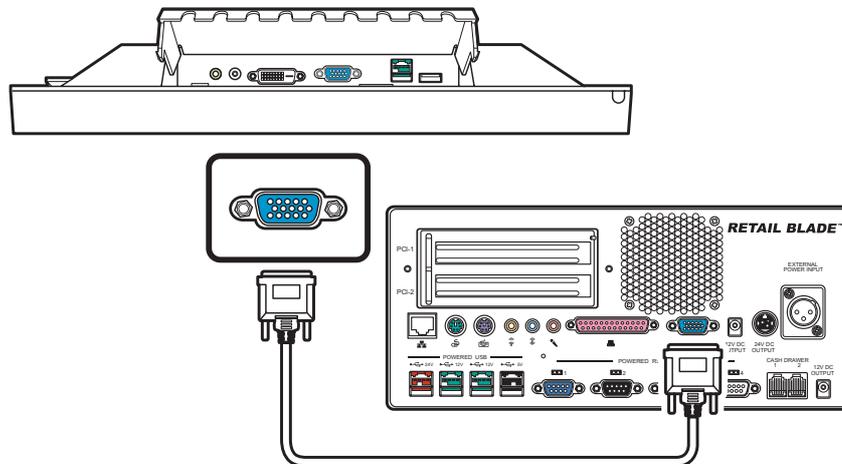
MultiPlex touch screen is automatically powered up by the POS terminal when the powered USB is used for connection.

See illustration below.



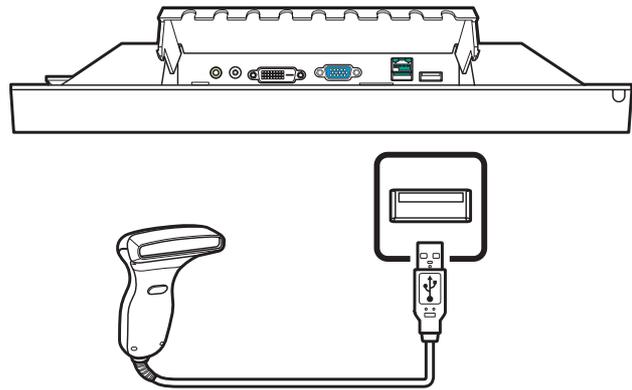
## Connecting to POS Terminal using D-Sub cable

Connect one end of the D-Sub cable to the D-sub port of the MultiPlex touch screen and the other to the POS terminal. See illustration below.



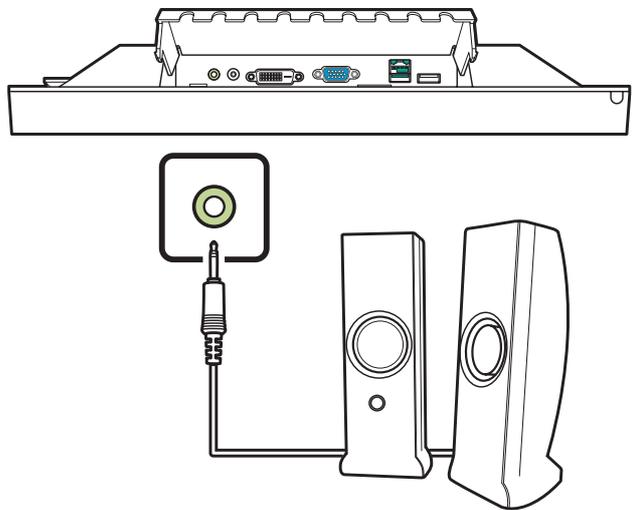
## Connecting a Scanner

Other accessories, such as a scanner, can be connected to the touch screen LCD using the USB port. See illustration on the right.



## Connecting Speakers.

You can connect speakers to the touch screen LCD using the audio port. See illustration on the right.



# Specifications

<b>LCD Panel</b>	
LCD Size	15" XGA TFT LCD
Brightness	250nits
Maximal Resolution	1024 x 768
Touch Screen Type	5 wire Resistive / 4 wire Resistive / Capacitive
<b>Input / Output Ports</b>	
Rear I/O	USB 2.0 X 1
	12V powered USB x 1
	VGA x 1
	DVI x 1
	Line in x 1
	DC input x 1
Onboard I/O	USB 2.0 x 4 (keyboard, MSR, Touch, finger print)
<b>Environment</b>	
Operating Temperature	0 - 35°C (32 - 95°F)
Storage Temperature	0 - 60°C (32 - 140°F)
Operating Humidity	20% - 80% Relative Humid, noncondensing
Storage Humidity	20% - 80% Relative Humid, noncondensing
Compliant Standards	FCC/CE Class A, LVD, UL, TUV, C-Tick, CCC
Control Key	Power, Menu / Unlock, Direction x 2, Exit
Speaker	2 x 1 (optional)
Dimension (W x H x D)	366 x 285 x 54 mm (14.4" x 11.2", 2.1")
Weight	
Mounting	VESA Mounting Hole (100 x 100mm)
OS Support	Windows 2000/XP, WinPOS, Linus, Free DOS
<b>Peripheral</b>	

Operating vibration	Axes: 3 axes / Vertical / Transverse / Longitudinal. Swept Sine, 10-57Hz 0.006in. p-p, 57-500Hz, 1.0g peak, 3 Swept per axis. Minimum of 1 minute per Octave
Non-operating vibration	Axes: 3 axes / Vertical / Transverse / Longitudinal. Swept Sine, 10-57Hz 0.012in. p-p, 57-500Hz, 1.0g peak, 3 Swept per axis. Minimum of 1 minute per Octave
Operating shock	10G: 11ms: 3 shocks per axis: Vertical / Transverse / Longitudinal.
Non-Operating shock	20G: 11ms: 3 shocks per axis: Vertical / Transverse / Longitudinal.
Optional Item	
Programmable keypad	1 x 8 or 4 x 8 keys (USB)
Magnetic Stripe Reader	3 tracks (TTL convert to USB)
Fingerprint	1 (USB)
Power	Power Adapter 36W, 12V/ 3A (optional)