



User Manual

EC-1519

All-in-one Touch POS Terminal

Overview

Thank you for purchasing the EC-1519 all-in-one touch POS terminal, EC-Line is committed to continuously improve product quality and provide better after-sales service. In order to take full advantage of our devices, we strongly recommend that you take the time to read this manual before diving into software solution.

Note: Information in this manual may change without prior notice.

1. Safety Information

- Before plug in the electricity, make sure the power voltage are correct; make sure the ground of the power outlet is working properly.
- Lightning may damage the product. During lightning storms, unplug the network cable, power cable and any other connections.
- Turn off power before connecting any devices (except USB devices) to the terminal.
- Do not attempt to open the chassis. You may be hurt by electric shock. For service, call your place of purchase.
- Do not spill liquid on the terminal. Do not place any objects into the ventilation holes of this product. It may cause short-circuit of the internal components and cause a fire or electric shock.
- After the computer is stored below temperature of 10 °C, please place the machine in room temperature (10 - 35 °C) in the original packing for at least two hours to allow the terminal to restore to room temperature before operation. This is to avoid condensation that might bring electrical damage.
- Keep the terminal clean, dry, and away from dust, moisture and direct sunlight.
- Do not use harsh chemicals or strong cleaning solvents to clean the monitor screen. Wipe it clean with a soft terry cloth applied with a mild solution
- Do not share the same power outlet with high power electrical appliances keep distance from high level magnetic interference.
- Do not use sharp pointed objects to work with the touch screen to avoid damage

to the screen.

When the following occurs:

- Water get inside the POS terminal;
- Physical damage accidentally;
- POS terminal produces a burning smell; disconnect the power supply immediately, unplug the power cord, and contact a qualified service technician.

2. Electromagnetic compatibility statement

FCC NOTICE

This device complies with Part 15 of FCC Rules. Operations are subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

EUROPEAN COMMUNITY (CE) MARK OF CONFORMITY

This product is in conformity with the protection requirements of EU Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility. Logic Controls cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product. This product has been tested and found to comply with the limits for Class A Information Technology Equipment according to CISPR 22 / European Standard EN 55022. The limits for Class A equipment were derived for commercial and industrial environments to provide reasonable protection against interference with licensed communication equipment.

Installation Guide

1. Appearance



2. Power Button



3. Rear panel I/O connectors

At the rear panel of the EC-1519 is a row of external I/O device connectors. Detail as follow:

- Keyboard: Connection to PS/2 keyboard
- RJ11: RJ11 port for connection to cashbox
- VGA: VGA signal output for connection to external monitor
- HDMI: Digital image/sound transmission interface
- COM 1.2.3: RJ45 port for connection to serial devices
- USB2.0: Connection to USB 2.0 devices (compatible with USB 1.1 devices)
- USB3.0: Connection to USB3.0 devices (compatible with USB 2.0 devices)
- LAN: RJ-45 Ethernet connection to Giga-bit LAN
- LINE OUT: Stereo phone jack audio output
- MIC: Microphone Input
- 12V DC IN: Connection to 12V DC Power Supply
- 12V DC OUT: Connection to the second display



Specification

Model name	EC-1519
Type	15" All In One Touch POS terminal
Color	Black
Material	Magaluma
Optional Peripherals	ISO Trick 1/2/3 Magnetic Stripe Reader
	2 X 20 VFD Customer Display
	2 nd Monitor (9.7", 12", 15")
	WIFI
	Bluetooth
	Windows OS SSD (32G, 64G, 128G)
Motherboard part	
Main Board	ITX-J1900
CPU	Intel® Celeron® Processor J1900 (2M Cache, up to 2.42 GHz)
BIOS	AMI BIOS
RAM Support	DDRIII 1333 2GB. Up to 8GB RAM
Storage	SATAII 320G and up / SSD 32GB and up
Network Support	Realtek 8111E Gigabit Ethernet
Audio	Realtek ALC662 HD
Main display part	
LCD Size	15" LED-LCD
View Angle	Left / Right +80°~ -80°
	Up / Down +70°~ -70°
Brightness	450cd / m ²
Resolution	XGA 1024×768 @ 60Hz
Touch Screen	
Type	5 Wire Bezel Free Resistive Panel
Touch interface	USB
I/O part	
I/O port	DC In X 1
	HDMI X 1
	Power Button X 1
	COM*3 (RJ45) X 1
	Cash Drawer (RJ11) X 1
	USB2.0 X 4

	LAN X 1
	USB3.0 X 2
	Line In X 1
	Microphone X 1
	DC Out X 1
	Power LED X 1
Operating Temperature	0 °C to 40°C
Storage Temperature	-20°C to 60°C
SIZE	450 X 245 X 400mm
Package: carton box with Foam packaging	NW: 6.1KG GW: 7.KG
Power Consumption	35W (MAX)
EMC/ Product Safety	FCC Class A / CE / RoHS
OS support	Windows 7 / 8 or up
Accessory	Power Adaptor, Power Cable, CD for Driver, RS-232 Cable X 3

Setup and Driver Installation

1. Motherboard BIOS settings

The POS terminal has a BIOS (Basic Input Output System) chip on the motherboard. Every time you start the terminals, the system will first run the BIOS self-test routine to check the main components of the system to ensure it is working properly.

The terminal is loaded with default BIOS settings in the factory. Please do not change the parameters in the BIOS unless necessary.

In the following situations, you need to run the BIOS setup:

- 1) Error message appears on the screen during the system self-test and requested to enter BIOS setup.
 - a) Press F1 to run setup; or
 - b) Press F2 to load default values and continue
- 2) If you need to change the factory default settings to customized application requirements.
 - a) During system boot, hit DEL key to enter BIOS setup.
 - b) If the message disappears before you respond to, you can turn off the machine and restart the computer. You can also press <Ctrl> + <Alt> + to restart.

Control keys

<↑> Move up

<↓> Move down

<←> Move left

<→> Move right

<Enter> To select this option

<Esc> To exit the menu or to return to the main menu from the submenu

<+/PU> Increase the value or change selection

<-/PD> Reduce the value or change selection

<F1> Help, only available in the status menu and select templates menu

<F9> To load default settings

<F10> To store settings and exit the CMOS SETUP program

How to enter and exit the COMS interface:

1) Enter the COMS interface

Boot the BP-110, press the key "Del" to enter COMS interface.

2) Leave the COMS interface

Press the key "F9" >> Restore Defaults

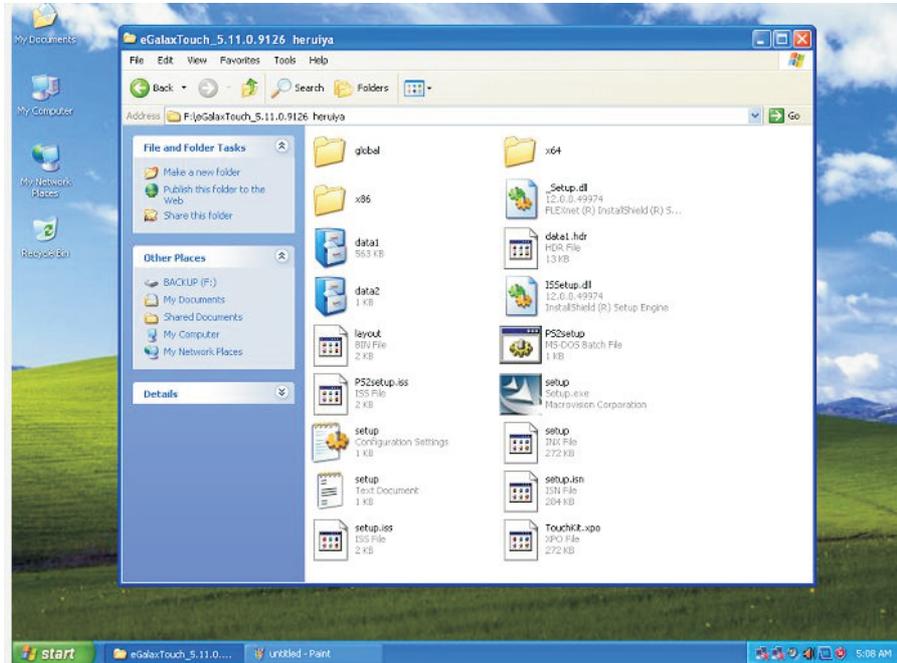
Press the key "F10" >> Save configuration and reset

Press the key "ESC" >> Quit without saving

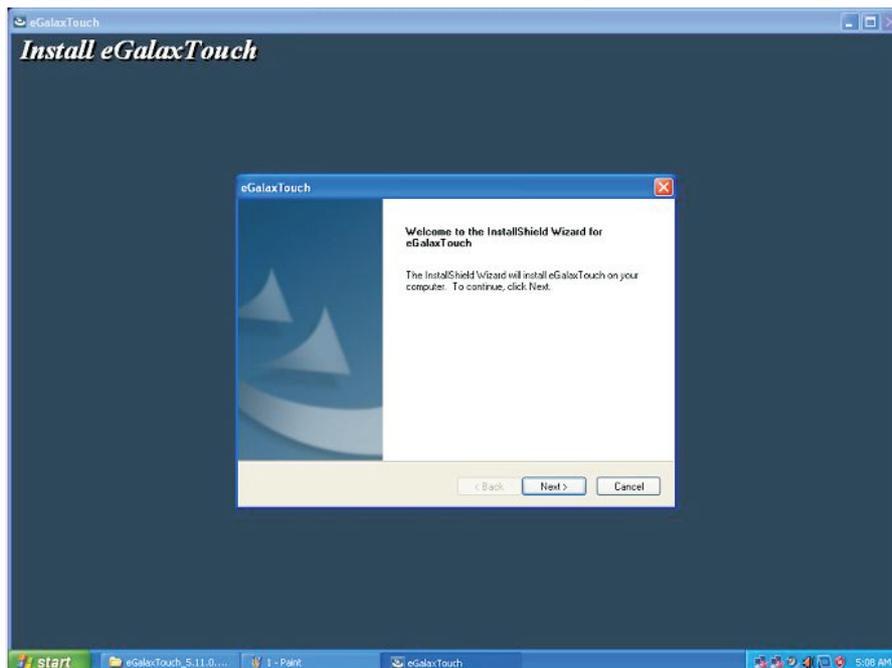
Press the keys "Ctrl"+"Alt"+"Del" >> Quit without saving

2. Touch screen driver installation:

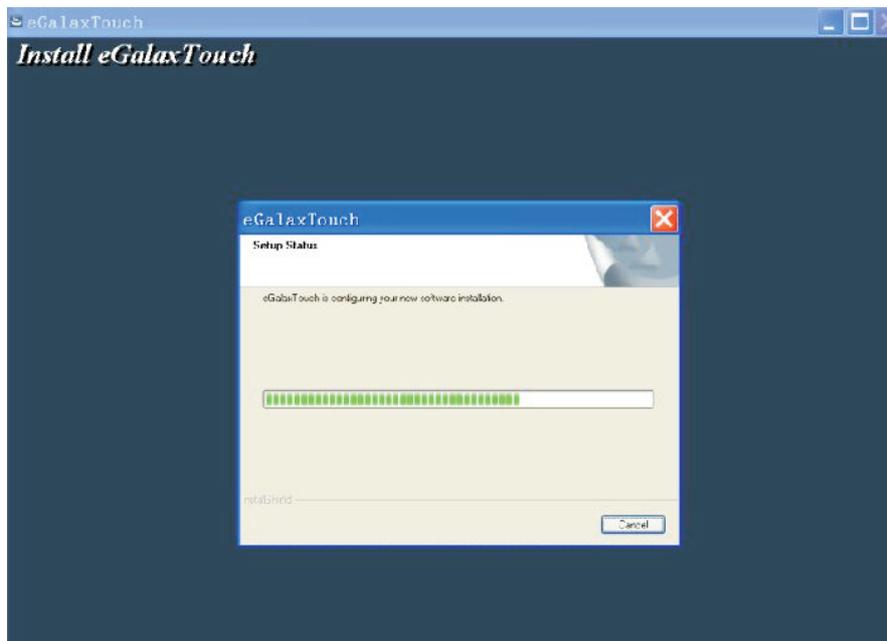
Step 1: Navigate to the installer directory to find the “setup.exe” file .Double-click ”setup exe” to start installation.



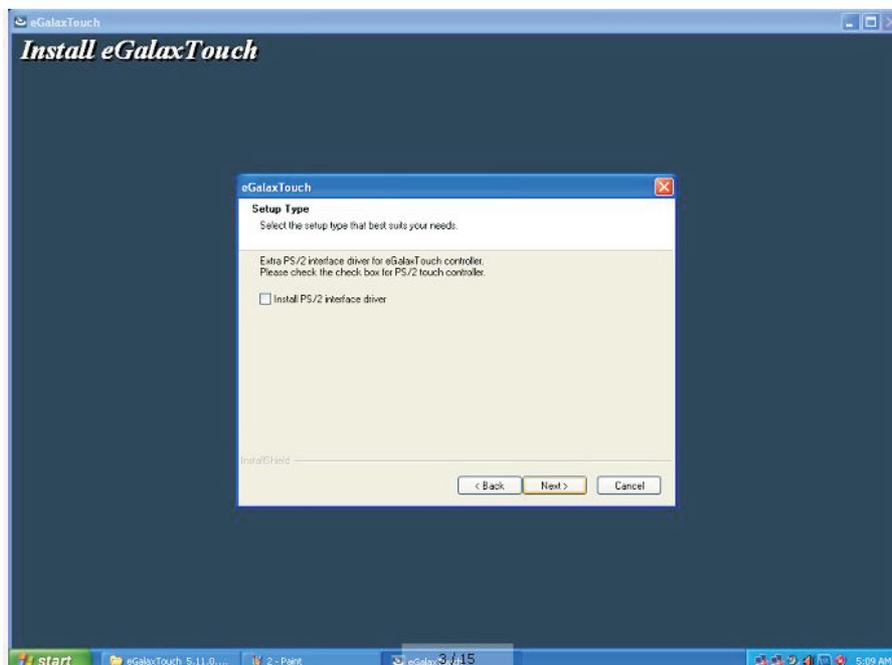
Step 2: When installation starts, click [Next] to proceed to the next step.



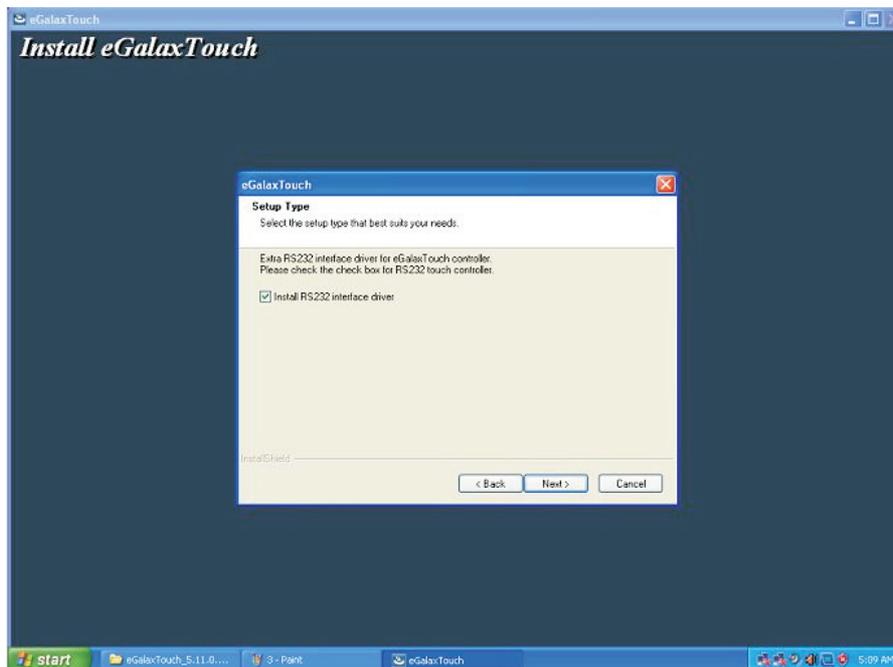
Step 3: Installation in progress



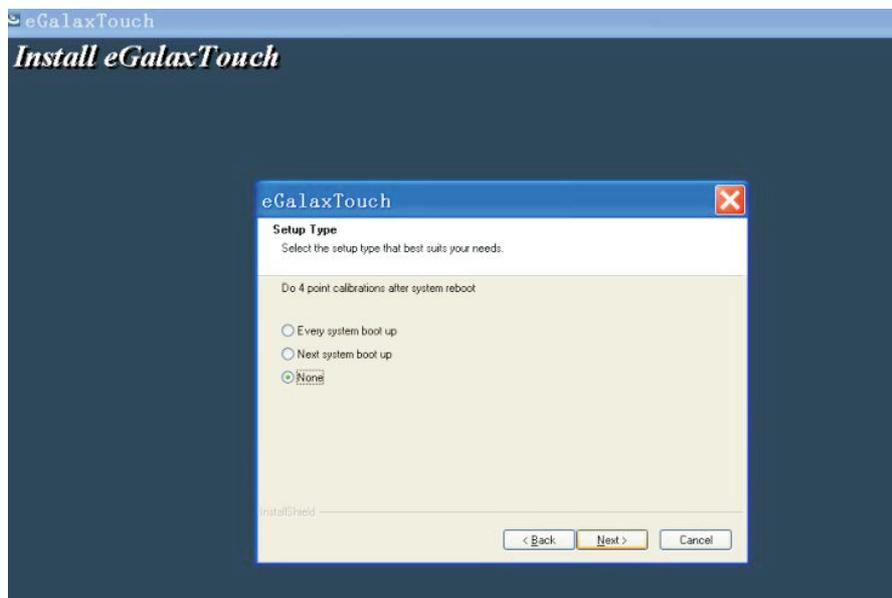
Step 4: Skip "Install PSI " [Next] to continue installation.



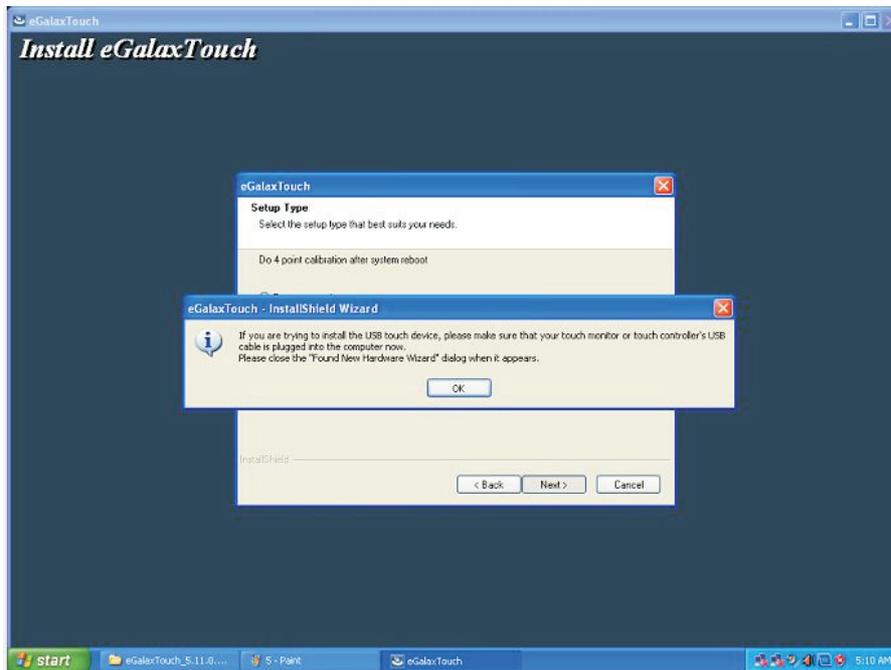
Step 5: Skip “install RS232 interface driver” and click [Next] to continue installation.



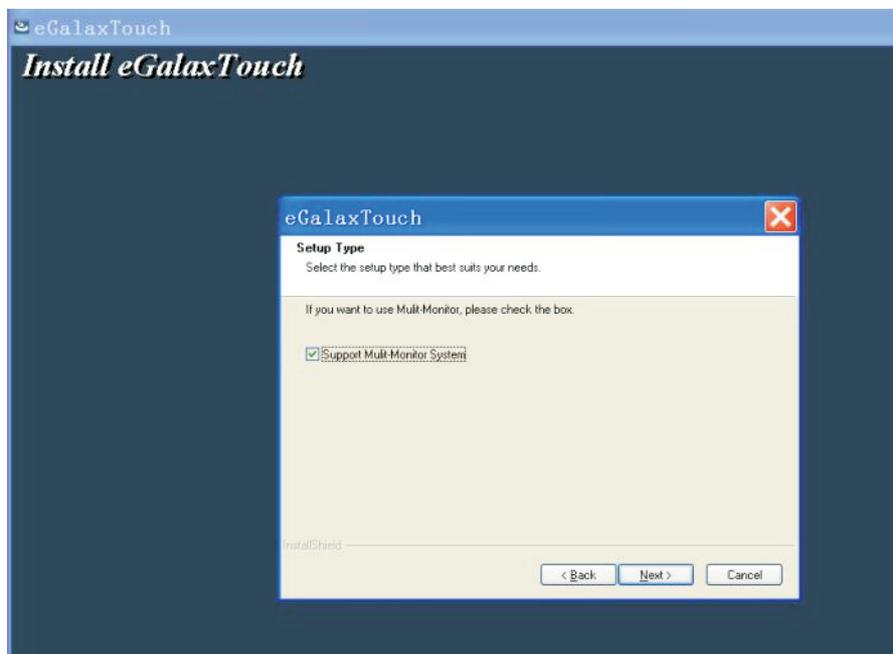
Step 6: Select option “NONE”, click [Next] to continue installation.



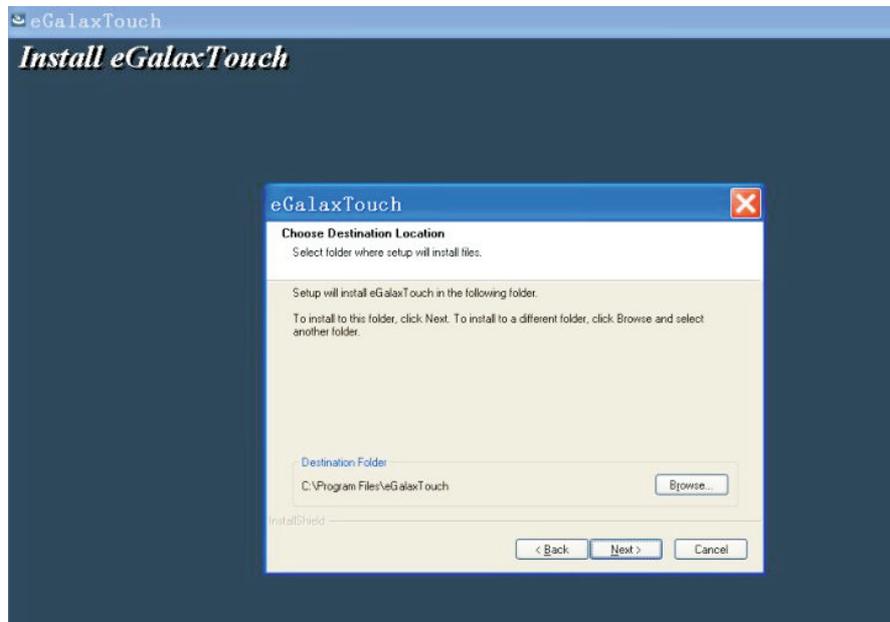
Step 7: When installing USB touch, connect the USB controller and USB cable



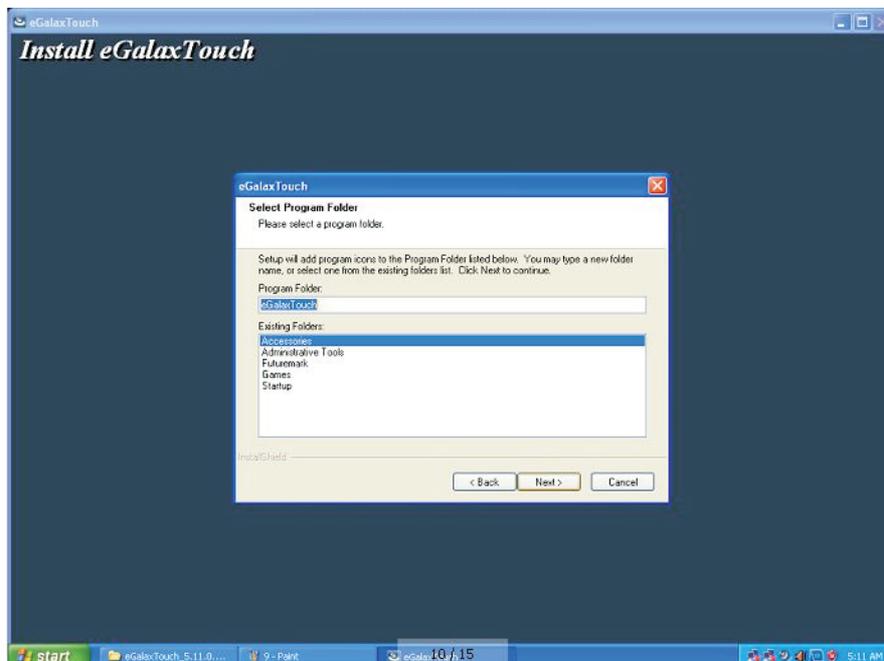
Step 8: If there are additional touch monitors connected, please check "Support multi-monitor system".



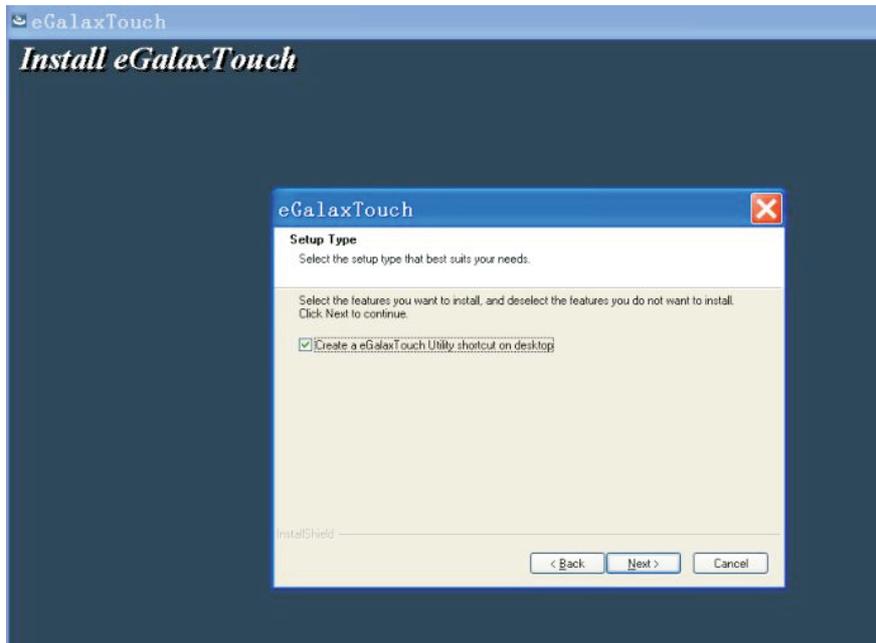
Step 9: Select the destination location to install the touch driver. The default path is “C:\Program Files\eGalaxtouch”. Click [Next] to continue installation.



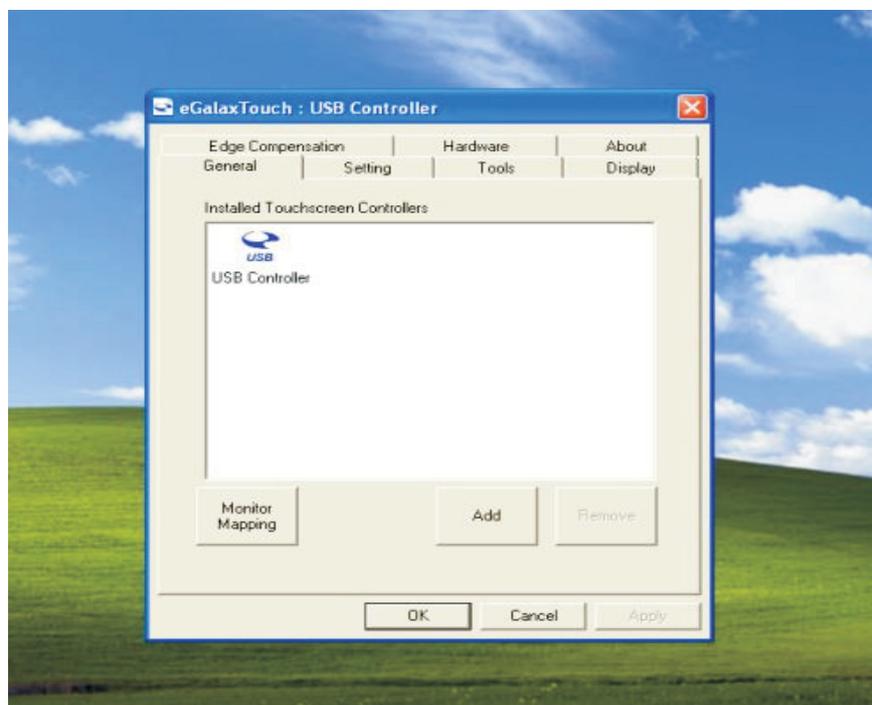
Step 10: Select the Program Folder to install the utility. The default is “eGalaxtouch”. Click [Next] to continue installation.



Step 11: Check the option to create a desktop shortcut icon.

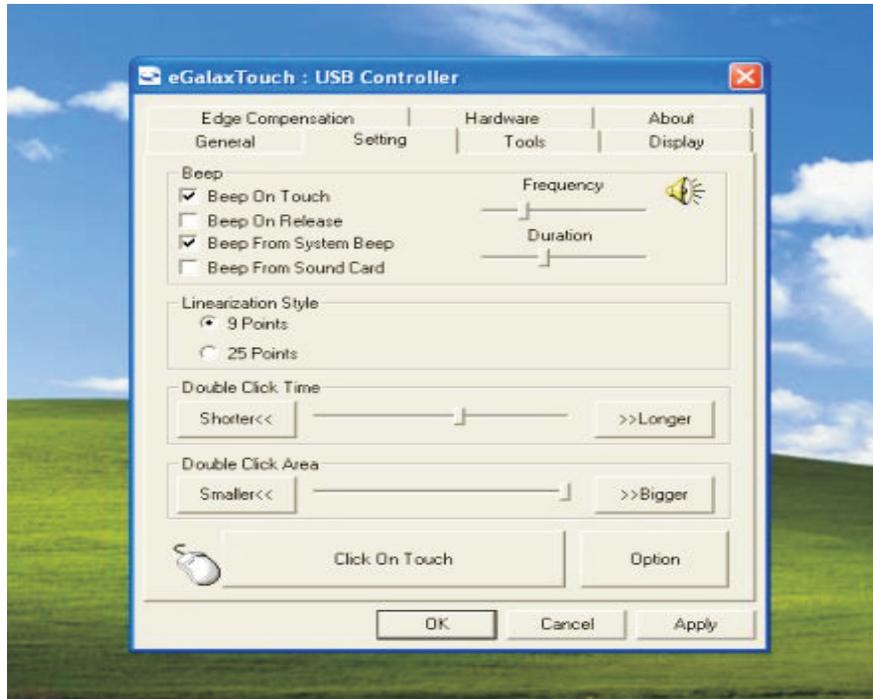


After install the driver successfully, identify the USB controller IS installed as shown below.



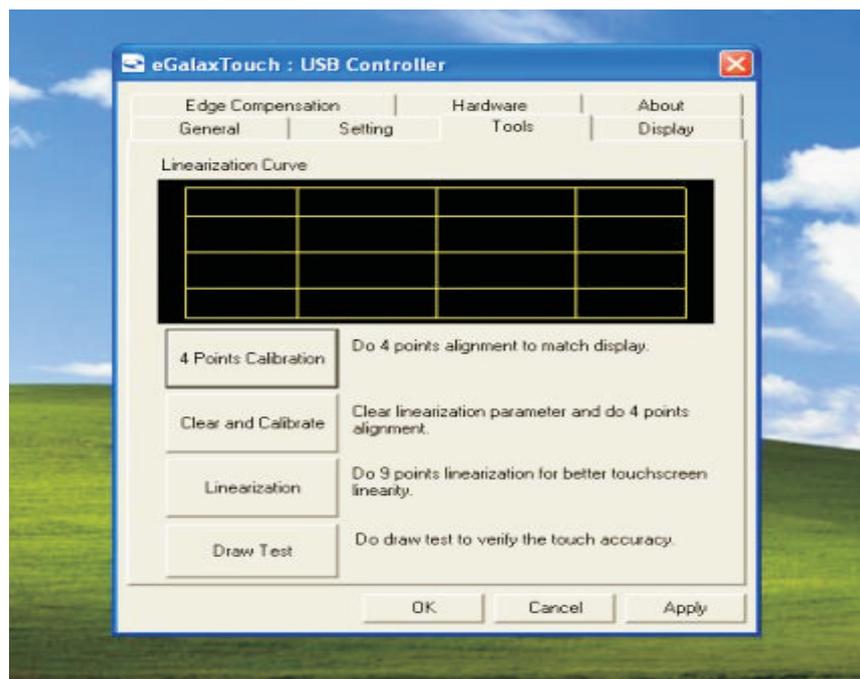
Touch function settings

1. Main page

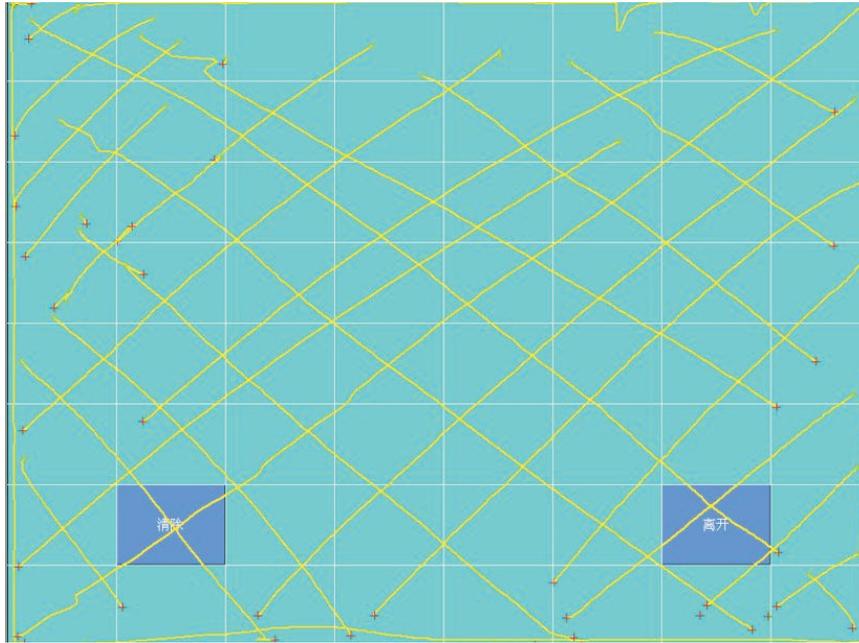


2. Touch calibration

3.



3. Touch device line test



Troubleshooting

1. Terminal does not boot

If the terminal cannot boot after repeated pressing of the power switch when connect to the power, the terminal power light remains off, the fan does not operate, and the BIOS beeping is not heard, it might be power supply problems.

- a) Check the power adapter is plugged in correctly to the power outlet.
- b) Check the connection between the terminal and the power adapter, and then re-boot the machine.
- c) If the terminal is working in high temperature environment that causes the terminal automatically shut down in protection mode, please disconnect the power of the machine. Wait until environment temperature has dropped and restart.
- d) If the terminal does not boot after a sudden power failure or illegal shutdown, unplug the adapter from the terminal, and press the power button several times. Then plug in the adapter and boot again.
- e) If the adapter light blinks or go off, unplug the adapter immediately and do not plugged in again. Contact with our products service center.

2. Terminal automatically restart (or shutdown)

If terminal is frequently automatic shutdown or auto-boot during operation (or boot up),

- a) Check the power supply is connected properly; make sure the plug is not loose and contacts are in good condition;
- b) Check if the AC line voltage is stable;
- c) A sudden power failure or improper shutdown may cause this problem. Press F8 to boot system into safe mode and debug.
- d) If any new hardware is added or replaced that caused this problem, remove the hardware and reboot;
- e) If the above steps do not resolve this problem, reinstall the operating system.

3. Touch screen does not response

- a) Remove the touch driver and then install it again.
- b) Execute the “eGalaxTouch” utility and check if the interface port is working.

4. Whenever touching the screen, cursor always returns to a fixed position.

- a) Check if there is anything pressing on the touch screen.
- b) Other high power or high frequency equipment may affect the screen or controller.
Make sure that the touch screen is away from the high-voltage equipment.
- c) The touch screen driver is not installed correctly, install the driver (please refer to the "Touch Screen Setup") and run a 25-point calibration.

5. Touch screen is not accurate

Please run the touch screen calibration program with a 25-point recalibration, we also recommend you to do this after change the monitor resolution or refresh rate. When running the calibration, touch the center of calibration point to assure accuracy.

6. The cursor moves opposite to the touch movement

- a) Run the 4/9/25 point calibration.
- b) The touch screen driver is not installed properly, reinstall the driver.

7. The cursor fixed at the edge of LCD

- a) Check if the edge of the screen is being pressed by something.
- b) Check the edges of the LCD if there is anything jammed in the front bezel.
- c) Make sure the touch screen is clean.

8. The cursor in the touch screen can only move in a small area or touch positions are inaccurate

- a) This situation usually occurs first time after installed the driver. Please run the touch screen calibration program. We also recommend you to do this after changing monitor resolution.

b) Run the touch screen calibration program to do a 25-point recalibration.

Manufacturer: EC LINE

Thank you very much for using EC Line product

For service, please contact service@ecline.com.hk

www.eclinepos.com