POSIFLEX™

TM4000 Series
Touch Monitor
USER'S MANUAL
Rev. : A

I.   FEATURES

- Most stable touch monitor for industrial and commercial use

- Application covers POS, POI (Kiosk), -Factory Automation etc.

- High quality 12.1"/15" TFT LCD panel with scaling function for full screen display

- Resistive type extra long life touch panel with touch resolution 1024 x 1024

- Recommended. LCD resolution: 800 x 600 for 12.1" and 1024 x 768 for 15"

- 1 up 3 down USB Hub (option), relay PS/2 keyboard & PS/2 mouse connectors

- Tilt and height adjustable yet robust and wobble free construction

- Spill proof and easy maintenance structure allowing easy cleaning

- Touch functions include left/right button, double click, drag & drop

- Touch beep can be pitch adjusted and enabled/disabled by software control

FCC NOTICE
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

WARRANTY LIMITS
Warranty will terminate automatically when the machine is opened by any person other than the authorized technicians. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

ABOUT THIS MANUAL
This manual assists the user to utilize the TOUCH Monitor TM4000 series. These series provide versatile font formats and support various instruction sets. These series of products receive instructions in serial communication protocols and is capable of entering pass through mode so that all instructions received pass on to next connected serial device if properly configured.

The manufacturer of the TM4000 series heartily apologizes to the user for reserving the right to change or to modify this manual without notice due to the rapid and constant progress and improvement on science and technology. The user may always obtain the most up to date information through any of our web sites: http://www.posiflex.com.tw, http: //www.posiflexuk.com, http://www.posiflexusa.com.

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II. MODEL NUMBER

TM4012: 12.1" LCD Monitor w/ standard touch panel and PS/2 interface touch controller

TM4012E: 12.1" LCD Monitor w/ extra durable touch panel and PS/2 interface touch controller

TM4015E: 15" LCD Monitor w/ extra durable touch panel and PS/2 interface touch controller
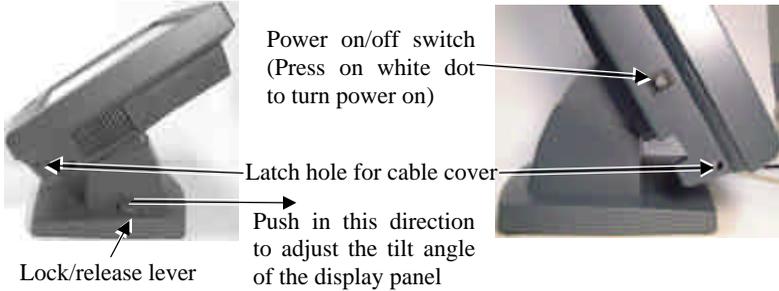
III. CARTON CONTENTS

1. Touch Monitor (Main unit + Adjustable stand assembly)
2. User's Manual
3. Plastic key
4. VGA cable: CCBLA-366
5. PS/2 KB cable w/ purple connectors: CCBLA-367
6. PS/2 Mouse cable w/ green connectors: CCBLA-384
7. USB cable: CCBLA-383 (for optional USB hub)
8. Posiflex Product Information CDROM
9. Power adaptor: ASP0P042WTB001 & power cord
10. RS232 cable: CCBLA-368 (for optional RS232 interface touch controller only)
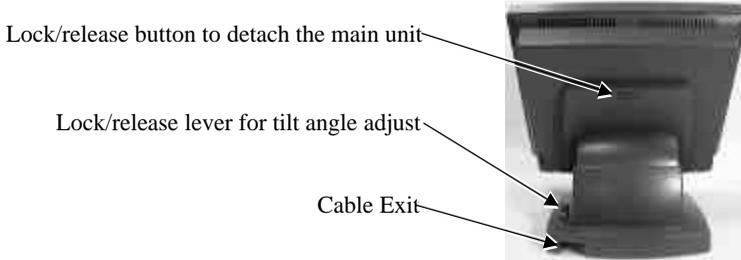
IV. PARTS IDENTIFICATION

A. FRONT VIEW

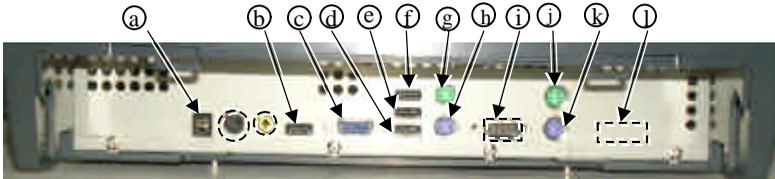Display Screen + Touch Panel

Main Unit

Adjustable Stand Assembly

MSR Unit (option)

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B. SIDE VIEWS

Power on/off switch (Press on white dot to turn power on)

Latch hole for cable cover

Push in this direction to adjust the tilt angle of the display panel

Lock/release lever

C. REAR VIEW

Lock/release button to detach the main unit

Lock/release lever for tilt angle adjust

Cable Exit

V. INPUT / OUTPUT PORT

a. DC 12V   e. USB 2   i. TO (PC) RS232 PORT (option)
b. USB TO PC   f. USB 1   j. KB
c. CRT   g. MOUSE   k. TO (PC) KB PORT
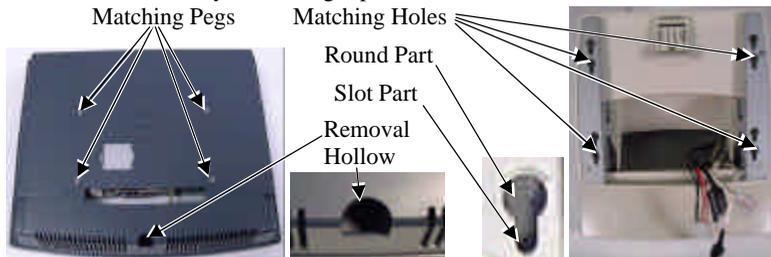d. USB 3   h. TO (PC) MOUSE PORT   l. MSR (option)

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VI. OPTION ITEMS

1. Wall Mount Kit
2. Integrated MSR: ISO 2 or 3 track or JIS II with PS/2 interface
3. RS232 interface touch controller for TM4012E or TM4015E only. (PS/2 interface controller will be hereby deleted for this option)
4. USB hub (1 up 3 down)

VII. INSTALLATION

1. For best cable routing effect, please do next step to place all required cables into the cable passage in the stand assembly.
2. Press down the lock/release button on stand assembly when lifting the main unit to separate main unit from the stand. Route all cables to be connected to PC or other device through the cable exit in stand assembly. (Open the metal plate first if necessary.) Make all the monitor end of cables to come out of the stand assembly like the right picture below.

Matching Pegs   Matching Holes

Round Part

Slot Part

Removal Hollow

Hook the main unit back on stand assembly by matching the matching pegs to round part of matching holes and slide them down to slot part till the rear latch clicks. It is recommended that the terminal be hooked onto the lower set of holes for better stability.

3. Push the lock/release lever on the base backward to adjust the stand to the most horizontal position for ease of operation. Insert the tip of the latchkey into a latch hole on one side near bottom of the main unit. Turn this key counterclockwise to the end and take it out. Do the same on the opposite side. Open the cable cover by pulling at the removal hole.

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4.   Cable connection guide:

Cable	TM4000 port	External device
CCBLA-366	CRT	VGA port of PC
CCBLA-367	TO (PC) KB PORT	PS/2 keyboard port of PC
CCBLA-383	USB TO PC	USB port of PC
CCBLA-384	TO (PC) MOUSE PORT	PS/2 mouse port of PC
Cable from external device	KB	PS/2 keyboard
Cable from external device	MOUSE	PS/2 mouse
Cable from external device	USB 1 ~ USB 3	External USB devices
Cable from power adaptor	DC 12V	Power adaptor

Among these, power adaptor, CCBLA-366 and CCBLA-384 are crucial vital connections for functionality of TM4000 series.

5.   Consolidate the cables and close and lock the cable cover.
6.   Connect the power cord between power adaptor and a suitable power socket.
7.   Adjust for best viewing tilt angle then proceed for driver installation.

VIII. DRIVER INSTALLATION

1. PS/2 Interface Touch Controller:

Please find in the attached Posiflex product information CDROM for PS/2 interface touch controller driver under subdirectory \Drivers\TM4000. In case this subdirectory is not found in the CDROM received, please use identical driver from relevant product such as \Drivers\TP6000\Touch\PS-II\TCTM_W98 for Win98 system or \Drivers\TP6000\Touch\PS-II\TCTM_WNT for NT4.0 or Win2000 system. Click SETUP.EXE to install the driver into system and a utility program Posiflex Touch Terminal Manager for touch calibration.

2. Optional RS232 Interface Touch Controller:

Similar to the above, please find in the attached Posiflex product information CDROM for RS232 interface touch controller driver under subdirectory \Drivers\TM4000. In case this subdirectory is not found in the CDROM received, please use identical driver from relevant product such as \Drivers\TP6000\Touch\ RS232\RSTC_W9x for Win9x system. Click SETUP.EXE to install the driver into system and a utility program for touch calibration. Same approach applies for other operating system.

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IX. LED INDICATION

- Orange: standby
- Green: power on

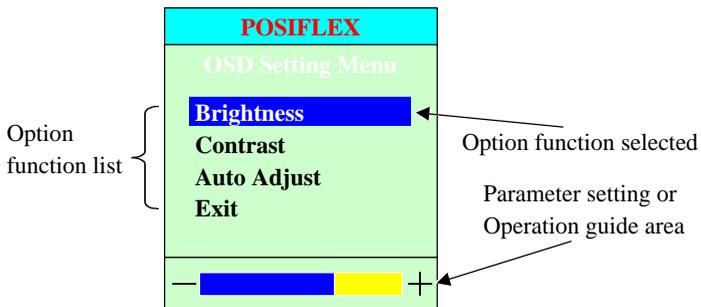# X. OSD (ON SCREEN DISPLAY) SCREEN ADJUST FUNCTION

Power/Standby LED ——

"+" button: to increase setting.
"-" button: to decrease setting.
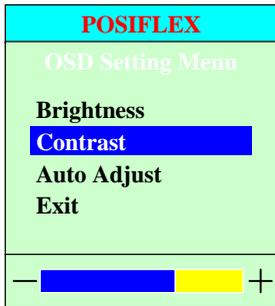**"NEXT" button**: to go to next option function.
"OSD" button: to enter OSD setting menu or submenu, or to execute designated operation shown in operation shown in operation guide area.

OSD description as below:

Press "OSD" button on front bezel below the LCD panel when any normal screen is displayed to activate the OSD functions (on screen display adjustment). The main menu will pop up on LCD screen in the layout shown above. In OSD main menu, it will disappear if no button for OSD setting is pressed within a period of time (about 30 seconds).

At this screen, pressing "+" button will increase screen brightness, pressing "-" button will decrease screen brightness and pressing "NEXT" button will change the selected option function to "Contrast" as next drawing.

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OSD Setting Menu

Brightness
Contrast
Auto Adjust
Exit

At this screen, pressing "+" button will increase screen contrast, pressing "-" button will decrease screen contrast and pressing "NEXT" button will change the selected option function to "Auto Aujust".
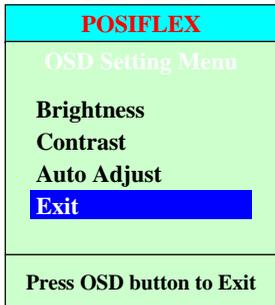
When the option function selected comes to "Auto Adjust", the operation guide area will indicate "Press OSD button to Auto Adjust" as drawing at right. After OSD button pressed, "Auto adjusting, please wait" will show up in operation guide area till operation completed. Pressing "NEXT" button will change the selected option function to "Exit".

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OSD Setting Menu

Brightness
Contrast
Auto Adjust
Exit

Press OSD button to Auto Adjust

When the option function selected is "Exit", the operation guide area will indicate "Press OSD button to Exit" as drawing at left. Pressing "NEXT" button will change the selected option function back to "Brightness" again, pressing OSD button, the OSD Setting Menu will be closed immediately.

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OSD Setting Menu

Brightness
Contrast
Auto Adjust
Exit

Press OSD button to Exit

XI. TROUBLE SHOOTING

In case of any malfunction, please check the following points in sequence to resolve it.

1. If there is no power indication, please check the power connection.
2. If there is no picture display with power LED on, please check the video signal connection.
3. If the display is abnormal, please reset the monitor: Please turn off the monitor and then keep pressing any of the OSD button when turning the monitor back to ON.

4. If there is no touch function, please check the connection of the PS/2 Mouse cable with green connectors (CCBLA-384) or the RS232 cable (CCBLA-368) for optional RS232 interface touch controller. Please pay particular attention on whether the PS/2 Mouse cable is connected to the right connector on TM4000 series or whether the RS232 cable is connected to the right COM port of PC according to the driver installation.

5. The USB hub function could be disrupted if any current overload of the down stream USB device occurs. Please turn off the TM4000 series and turn it back on to reinstate the USB hub. If problem still presents, please disconnect the down stream USB device and check the current loading of that USB device.