

Jiva TP/LT- 8200

Touch Terminal

User's Manual

POSIFLEX



Rev. Original

FCC Notes:

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 terminates automatically when any person other than the authorized technicians opens the machine. 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.

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<http://www.posiflex.com> or <http://www.posiflex.com.tw>

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P/N: 16290901010

Part 1

ALERT TO OUR HONORABLE CUSTOMERS:

- Please always read thoroughly all the instructions and documents delivered with the product before you do anything about it. Don't take any premature action before you have a full understanding of the consequences.
- This product contains inside a Lithium battery and maybe also a sealed type Lead acid battery if the UPS battery option is ordered. Please always follow local environmental protection laws / regulations for disposal of used batteries and always replace only with battery of same type.
- If you have an UPS battery installed in the product:
 - ✧ Temperature above **40°C must be strictly avoided** as it could cause termination of battery life and unexpected result even if the battery is not in work.
 - ✧ **Do not** power off the system just by shutting off the AC power leaving the battery supporting the whole system till completely exhausted. **Repeatedly using it up or improper maintenance reduces the battery life dramatically.**
 - ✧ Always fully recharge the battery at least once every 3 months if the battery is not connected.
 - ✧ Always **disconnect the UPS battery** from the system if the system is to be left OFF for more than **72 hours** to prevent possible damage. Only connect the UPS battery back right before you are going to re-power on the system.
 - ✧ Replace the battery as soon as the monitoring software indicates the battery is out of service. Attempt to recharge a dead battery is **dangerous!**
 - ✧ A separate battery monitor is not required for this series.

DAILY MAINTENANCE GUIDE

For regular cleaning of the Jiva systems, please use only soft haired brush or dry soft cloth. You may use moist soft cloth to remove stains when necessary. Apply only proper amount of mild neutral detergent for obstinate stains. Please note that never use Acryl dissolving solvent or Polycarbonate dissolving solvent. You may apply ammonia-based glass cleaner only on the screen surface.

Standard Features:

- a) CPU: Celeron 2.0GHz
- b) A large base design supporting HDD and optional internal CDROM drive, wireless LAN and UPS battery storage.
- c) Support Win 2000, Win XP, WEPOS and Linux environment
- d) High quality 15" TFT active matrix LCD panel
- e) **Vertical type LCD panel with easy tilt** angle adjustment from 17.5° to 87.5°
- f) Leading edge InfraRed type or resistive type touch panel for option
- g) Long life touch panel that endures 50 million touches min. at same spot (for Jiva TP only)
- h) Spill proof water resistant structure allowing easy cleaning
- i) Easy maintenance construction
- j) Various I/O ports supported, including:
 - 1. one PS/2 KB port
 - 2. one PS/2 mouse port
 - 3. 4 serial ports with capability for +5V DC support
 - 4. one parallel port
 - 5. 2 USB ports
 - 6. one LAN port 10/100 base T Ethernet
 - 7. one external VGA monitor port
 - 8. one IDE connector for HDD & optional CD ROM in base
 - 9. one DC 12 V power input connector
 - 10. one UPS battery connector
 - 11. one CR port for control over 2 cash drawers max.
 - 12. audio ports (1 Microphone input and 2 optional slim type speakers)
 - 13. one CF memory card slot (option)
- k) **Touch control functions:** left/right button, double click, drag & draw (for Jiva TP only)
- l) Dual display support (per OS capability)
- m) VGA memory size program by software up to 128MB
- n) Support high performance **DDR DRAM** with maximum memory size **2GB in two modules**
- o) Integrated structure for optional security devices (KP-100, SD-100, SD-200 or BC-100U)
- p) Software programmable MSR parameters for Win 2000 or Win XP pro
- q) Preprogrammed timer wake up function
- r) COM port MODEM ring up function
- s) LAN wake up function

Optional Items:

Note: The underlined items in the following list means that option must be set prior to shipment from the factory. The rest items can be set by the dealers.

- a) DDR SDRAM memory expansion up to 2GB
- b) Resistive type touch panel durable for 35 million touches min. at same spot (for Jiva TP only)
- c) Side mount upgrade kit among:
 - ✧ Deluxe security device upgrade (KP100) covering keypad and option(s) from KB interface MSR, smart card reader and E-M type finger print sensor
 - ✧ General security device upgrade (SD100) covering a smart card reader or a 2 or 3 tracks ISO MSR and an E-M type finger print sensor or a iButton (Dallas key) reader
 - ✧ 2-in-1 security device upgrade (SD200) covering options of USB interface MSR and optical scan type or E-M type finger print sensor
 - ✧ Bar code card reader BC-100U
- d) 2 by 20 VFD Posiflex pole display or a 12.1" TFT LCD 2nd display on base back
- e) Integrated rear top mount 2 by 20 LCD customer display PD-302
- f) USB interface external slim type CD ROM drive or COMBO
- g) IDE interface internal in base slim type CD ROM drive or COMBO
- h) UPS battery
- i) Preload OS
- j) USB wireless LAN in base
- k) 2 in 1 cash drawer control cable (CCBLA-238)

INSTALLATION GUIDES

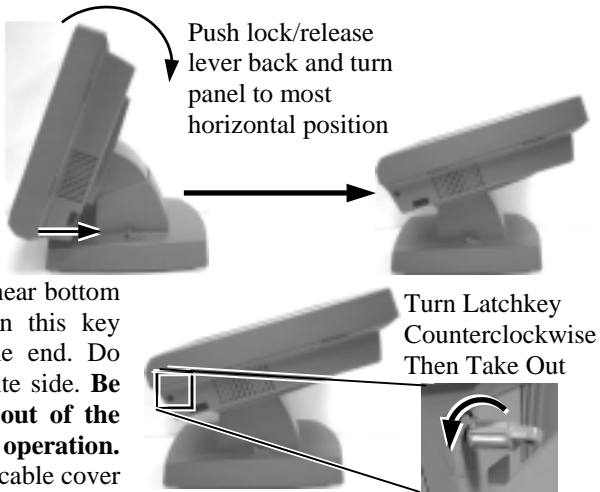
CAUTION: Before any installation or cable connection to the set, please always make certain that the system is turned off and the external power source to the set is removed to prevent electric hazard! Never touch any metal pin in the connectors or circuits to avoid high voltage hazard or electrostatic discharge damage unless the operator is well grounded. Failure to do the above will void the product warranty!

OPENING CABLE COVER

Please first push the lock/release lever on the base backward to adjust the stand to the most horizontal position for ease of operation.

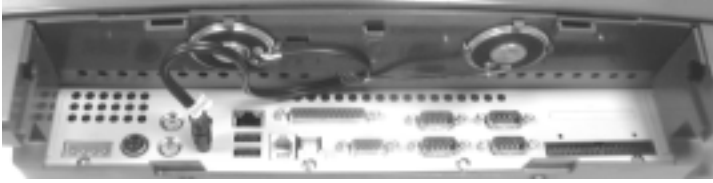
Insert the tip of the latchkey into a latch hole on one side near bottom of the main unit. Turn this key counterclockwise to the end. Do the same on the opposite side. **Be sure to take the key out of the hole before doing next operation.**

Then open the cable cover by pulling at the removal hollow to access I/O connectors.



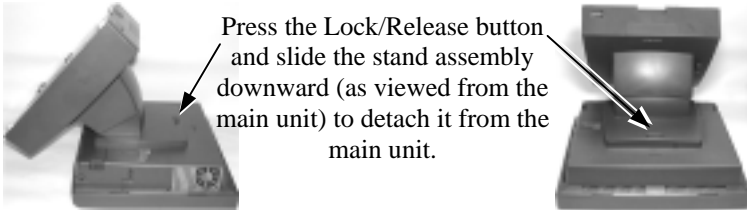
DISCONNECTING CABLES

After removal of the cable cover, the connector area will be accessible then. Please **first note orientations of every existing cable connection** and then disconnect every cable properly before separating the main unit from the adjustable stand assembly. Please note that the click lock spring has to be pressed down prior to pulling out the connector(s) such as the LAN port or the CR port. Please also note that the fixing screws have to be loosened free prior to disconnection such as the COM ports or the LPT port. Please **always hold the connector head** instead of pulling on the cable wire when disconnecting any connector. Failure to do this could damage the cable and jack that is considered as an **artificial destruction**. **Damages due to incorrect disconnection operation are not covered by product warranty!**



Sample picture of connection area – Please refer to actual goods if there is any difference

SEPARATING MAIN UNIT



Press the Lock/Release button and slide the stand assembly downward (as viewed from the main unit) to detach it from the main unit.

In order to settle the touch terminal properly in a point of sale system, all the cable connections have to be routed through its base, the stand assembly. Therefore, please press the lock/release button at the rear side to separate the main unit from the stand assembly after all cables in cable cover disconnected.

For easy operation, it is most recommended to lay the system facing down on front panel over a soft clean flat surface first, such as a piece of cloth on the desk. Press the button and slide the stand assembly downward (as viewed from the main unit) to detach the stand assembly away from the back of the main unit could then be an easier operation. This approach can also be applied when later on the main unit and the stand assembly have to be reunited.

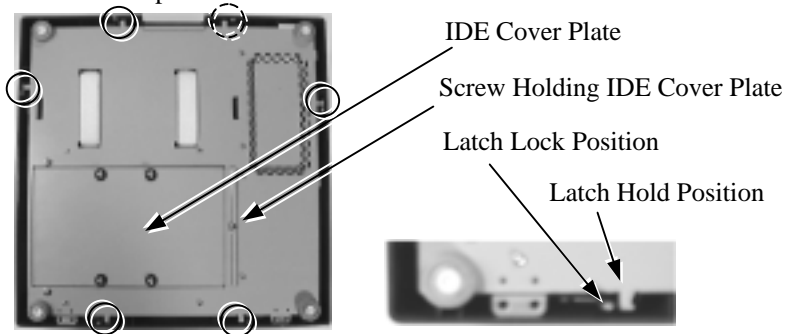
OPENING STAND ASSEMBLY

Please check if there is already an internal CD ROM drive installed in this Jiva TP-8200 system by having a look at the CD ROM drive slot that is on the right side of the stand assembly. When a CD ROM drive is installed, the original plastic cover is removed and replaced by the drive. When there is a CD ROM drive installed, it is very important to first follow instructions in next paragraph to open the IDE cover plate to **take out the CD ROM drive** before opening the stand assembly **otherwise the CD ROM drive will be damaged!!**



Take the adjustable stand assembly and turn it up side down to show the bottom of the base in picture below. Please note the circled latch positions

and the IDE cover plate from the bottom.



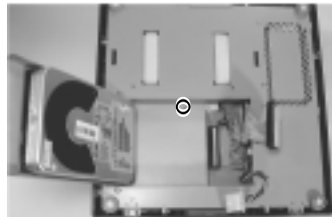
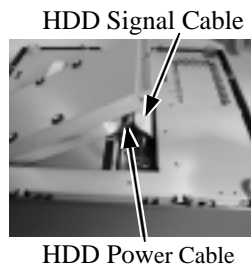
There are in total six or five metal latches held by springs at their lock positions in between the plastic base cover and the metal chassis. (The one in dashed circle could be deleted.) To open the stand assembly, just pull the latches along the gap between the plastic base cover and the metal chassis and leave them at their hold positions on the metal chassis. Then the entire base mechanism can be taken out from the plastic cover if there is no CD ROM drive mounted.

IDE DEVICES

Remove the screw holding IDE cover plate, and then the IDE cover plate can open with one edge hinged in the metal chassis. The HDD will look like the picture to the right above. Remove the power and signal cables connected to the HDD carefully before wide open the IDE cover plate.

Please note the four screws on the HDD plate with shock absorbing materials on both sides for fixing HDD inside HDD plate. Please always remember to fix HDD back only through these rings to enjoy Posiflex's superior reliability. Please carefully arrange that all cables shall not be caught anywhere in the metal casing. The default status of the HDD is the master device of the primary IDE bus.

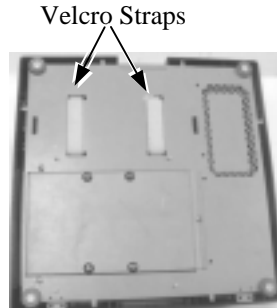
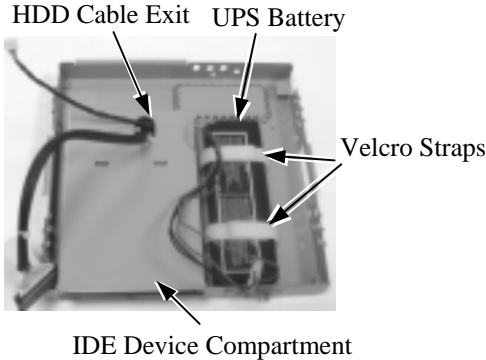
To remove the CD ROM drive, please disconnect the signal and power cables to the CD ROM drive and remove the screw holding the CD ROM drive in place in the circled area in above picture then gently push it out. After removal of the CD ROM drive, the chassis can be taken out as described in previous paragraph.



INSTALLING UPS BATTERY

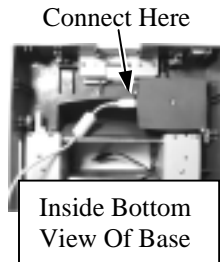
Please skip this section if there is no UPS battery (to be) installed.

In the metal chassis there are 2 straps made of Velcro. Place the optional UPS battery in the direction shown below and use the 2 straps to fix the battery in position firmly. Route the battery cable to connect to the UPS battery connector in the main unit through the base. Please pay particular attention to the environment requirement for UPS battery in next chapter "USING THE TOUCH POS".



WIRELESS LAN

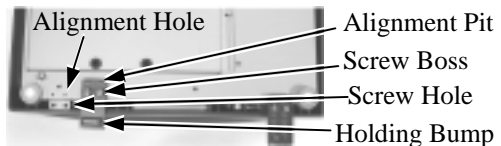
When the optional wireless LAN unit is installed, it is installed on a plastic fixing bracket in the base cover with its antenna extended through the antenna slot from inside. Connect the square shape end of the cable to the wireless LAN unit and route the other end to a USB port with rest cables through the opening in the stand assembly.



PROGRAMMABLE KEYBOARD

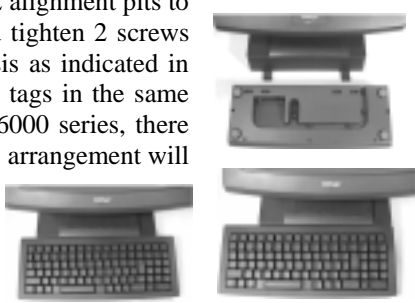
There is a KB6000/KB6200 series of programmable keyboard particularly designed for optional integrated use with Jiva TP/LT-8200 systems. Within this keyboard series, KB6000 has all keys in 6 by 17 matrix layout with a numerical keypad and 1 horizontal double keys. KB6200 has a QWERTY layout with 17 programmable keys.

Please note at the bottom front of the chassis there are 2 metal brackets to hold the 2 plastic tags that will come with the keyboard if purchased.



There is a holding bump on each tag for holding the programmable keyboard

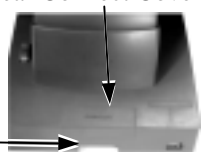
close to the stand assembly later as illustrated in the left part of the top picture at right. Flip the tag over and match the 2 alignment pits to the 2 alignment holes in the chassis and tighten 2 screws to fix the tag firmly on bottom of chassis as indicated in the right part of picture above. Fix both tags in the same way. Then check the bottom of the KB6000 series, there are 4 cavities as in this right picture. This arrangement will allow either centered or off-centered hookup of the keyboard to the stand assembly as in the 2 pictures at right here. Route the keyboard cable underneath and into the stand assembly.



2ND DISPLAY OR POLE DISPLAY

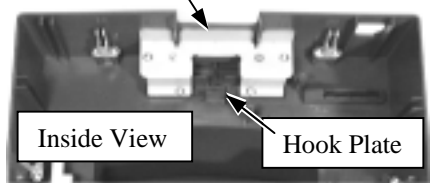
On rear edge of the stand assembly, there is a rear connect cover. Either a 2nd LCD display panel option LM-6101 or a VFD customer display option PD-2501 can be installed here after removing this cover.

Rear Connect Cover

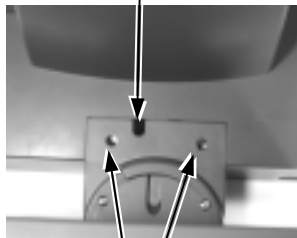


This cover can be removed with metal chassis assembled in the base cover. Refer to the inside view and hold your thumb gently on the outer surface of the rear connect cover and reach your middle finger through the cable exit to pull the plastic hook plate of the rear connect cover from inside to remove the cover.

Cable Exit



LM6101 Cable Passage



Screw Here

Fit the base of PD-2501 or LM-6101 to the rear connect cover opening. For LM-6101, please first route its cable through this opening and have it pass the passage indicated in picture next page. For PD-2501, please have its cable go under this mechanism and enter the stand assembly through the cable exit (remember to enable the +5 V DC supply in the COM port of main unit). Match the mechanism into the rear connect opening firmly and tighten 2 screws **through washers** as indicated.

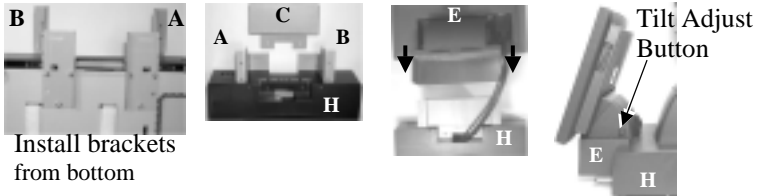


The finished result will look like the pictures below. For low profile customer display PD-305, the installation procedure is same as PD-2501.

2ND TOUCH PANEL

The assembly procedures and the supporting structures of the 2nd display with touch control TM-6101 are quite similar to that of LM-6101 with some difference in the supporting brackets and the cable for touch control.

First remove the rear connect cover as LM-6101. Fix the supporting brackets as in pictures below from left to right. Please be reminded that the primary touch panel must also be RS232 interface to work with this option.



CASH DRAWER

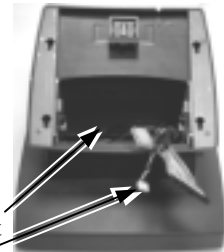
The Jiva 8200 is able to control the printer (direct) drive type Posiflex cash drawers. It will directly control the cash drawer using the cash drawer port (CR) both to operate the opening mechanism and to monitor the drawer open status. Both functions may be accomplished under software control of the COM1 serial port through the interface cable supplied with the cash drawer (P/N: 20863018010). Connect the CR cable from “CR” port to the connector marked: “signal cable from POS Printer” at the rear of the cash drawer.

The Jiva 8200 offers another advanced feature in the cash drawer control by using the optional 2-in-1 cash drawer control cable CCBLA-238. Connect the 6 pole plug of CCBLA-238 to “CR” port and connect each 8 pole plug to the connector marked “signal cable from POS Printer” at the rear of one of the cash drawer. In this way, the Jiva 8200 is capable of controlling two cash drawers independently through software command.

ROUTING THE CABLES

Place all the cables required for connections to the main unit except those for the integrated attachment through the front part inside the stand assembly. Be sure not to damage any cable during this operation.

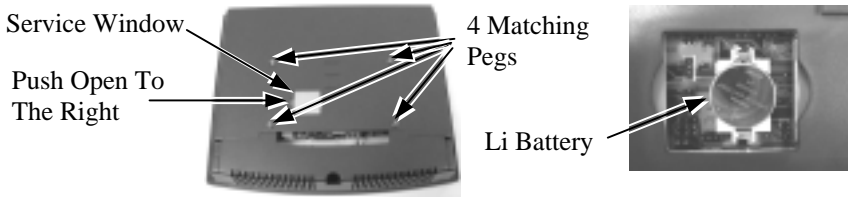
Route Cables through Front Part
Connect this End to Main Unit



Now, turn the adjustable stand assembly back to normal orientation and arrange all cables to come out of the area for mounting main unit from the bottom edge for ease of later operation.

PREPARING THE MAIN UNIT

On the back of the main unit, there are 4 matching pegs and a service window. Push open the service window in the direction as indicated in the picture, one can find a button cell battery socket and several jumpers for some technical settings. Please note that only those qualified technicians may adjust in the service window with information from Posiflex and the contents in the service window may change without notice as time develops.



CAUTION

**Risk Of Explosion If Battery Is Replaced By An Incorrect Type!
Dispose Of Used Batteries According To Local Regulations!**

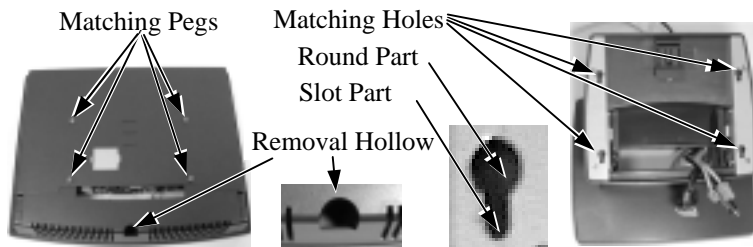
This battery socket accepts a 3 V button cell Lithium battery (CR2032) required to support the system real time clock. The used up batteries must be recycled and disposed of under guidance of local legislations. The jumpers in this window are designated for VGA port and COM port power supply function. Please consult your dealer for technical support on setup of these jumpers. A new Lithium battery can support the system RTC for about 3 years. After the battery is nearly exhausted, the user must change a new battery otherwise the system RTC and system configuration setup will be lost.

INSTALLING SIDE MOUNT UPGRADE KIT

Please follow the instructions in the manuals delivered with the side mount upgrade kit: KP100, SD100, SD200 or BC100 and the rear top mount upgrade kit PD302 to fit them in Jiva 8200 construction.

JOINING MAIN UNIT AND STAND

Match the matching pegs on the back of the main unit against the matching holes on the stand assembly. First aim the matching pegs toward the upper round part of the hole and make sure that all pegs are inside the holes. Then slide the main unit down to move the pegs into the lower slot part of the holes till it clicks. Note that all the cables must come out of the stand from the lower edge and not to get trapped by this mounting operation. If later on you want to remove the main unit from the stand, you'll have to press down the lock/release button on back of the stand at the time lifting the main unit.



CONNECTING CABLES

To re-assemble the main unit with stand assembly for operation, please connect all required cables to the appropriate connectors. Please make sure that each connector is connected to the correct port with the correct orientation. **Damages due to incorrect connection or orientation are not covered by product warranty!**

Some connectors, such as the LAN connector, or the cash drawer connector have to be inserted until a click is heard. It is recommended that connectors such as the external VGA connector, the LPT port connector and the COM port connectors, be screwed into place once seated. If the COM1 port must be used, the COM1 terminator that occupies the COM1 port must be removed and safely preserved for future use. However, when using the COM1 port, it is advisable to use devices that provide proper hardware handshaking signals in order to keep other embedded system features. A serial mouse is one example of a device that does not support handshaking.

Adjust the slack of each cable and close the cable cover before re-uniting main unit with stand assembly. Use the same plastic latchkey that is used for removing the cable cover, but be sure to turn it in the clockwise direction to lock the cover in place. Re-adjust the tilt angle of the screen for best viewing.

Connect the cables to appropriate external devices through the cable exit at the bottom of stand assembly. Please make sure that each connector has to be connected to the right device in the right way.

CAUTION: On doing any insertion or extraction of any connector, please always hold the connector head itself instead of pulling on the cable wire. Failure to do this could damage the cable and jack that is considered as an artificial destruction and is not covered by the warranty.

LOCATION FOR INSTALLATION

For desk top/counter application, the adjustable stand assembly requires a base of 288 mm deep and 286 mm wide. However, please take also the main unit into consideration. If the main unit is tilted to near vertical

position, the total height is 401 mm. When the main unit is tilted to near horizontal position, the total height required is 324 mm.

OPERATING SYSTEM RECOVERY

For Jiva 8200, the operating system exists in the HDD in stand assembly. Once the software system on HDD collapses, it is possible to restore the operating system onto a physically intact HDD with use of the Recovery CD that comes with the preloaded operating system. Please follow the instruction from your system integrator for system / software restoration. Follow the instructions below for operating system recovery only if your system integrator does not advise otherwise.

For the Jiva 8200 preloaded with Windows system on HDD, Posiflex provides recovery CD delivered with the touch terminal for the preloaded operating system. The System Integrator shall take care of software restoration after OS recovered. Either a Posiflex supplied USB interface external CDROM drive or the optional IDE internal CDROM drive in base of this system will be required for such action. Other brand CDROM drive may require its specific driver different from what supported in the recovery CD.

Please use the recovery CD in rescue operation only. Using it otherwise may wipe out whatever stored in the HDD! All upgrade devices drivers needed for manual installation in usual way are available in the subfolder “\drivers” in OS recovered HDD and the latest versions of these required drivers will be available on our web: <http://www.posiflex.com> or <http://www.posiflex.com.tw>.

Now please follow instructions from your system integrator for software recovery after OS recovery and driver installation.

Please refer to the “System Protection” section in chapter “USING THE TOUCH POS” for guidance on the Time-Machine-like system recovery.

OPERATING SYSTEM INSTALLATION

This product is a highly professionalized equipment. The installation of an OS into a machine without any preloaded OS could constitute major difficulty for average user who either has barely limited technical knowledge of this professionalized equipment or is insufficiently equipped with necessary facilities to accomplish such a task. Therefore, installation of an OS into a system without preloaded OS is highly discouraged. Posiflex shall not be responsible for any technical support to questions arisen due to non-preloaded OS.

USING THE TOUCH POS

APPLICATION ENVIRONMENT

It is **very** important that you check the following operational points:

Ventilation

This terminal must **NOT** be operated in an environment with restricted ventilation. There must be at least 25mm air clearance around any top or side ventilation holes with a free flow of air around the unit at **ALL** times for the installation.

Operating Environment

The equipment must not be operated or stored in extremes of both temperature and humidity/moisture.

(Operating range 5°C to 40°C and up to 80% humidity – non condensing max. wet bulb 26°C)

Power Supply

The operating voltage range of the external power adaptor should cover the local power supply for proper operation. The power cable, the power outlet and any power fusing arrangements must conform to local safety regulations.

Please **never do any connection / disconnection** when system is still powered on. **Please always keep the external power adaptor in a free air circulation.**

UPS Battery (option)

General care:

The UPS battery is consumables beyond product warranty. Please definitely observe the alerts in beginning of this manual. If the equipment is to be powered off for more than few days, please always **disconnect** the battery from the system. Reconnect it and turn on the system to recharge the battery for 1 ~ 2 hours every 3 months for temperature lower than 30°C. Recharge for 1 ~ 2 hours every month for temperature over 30°C. Temperature above **40°C must be strictly avoided** as it could cause termination of battery life and unexpected result even if the battery is not in work. The UPS battery can support basically the data preservation and smooth running of the system during intermittent or few minutes (2 ~ 6 min. depending on loading and battery condition) power failure.

Battery replacement:

In the preloaded OS for a TP8200 system, there is a built in utility Power Manager that will indicate the UPS battery status of the battery. When an installed UPS battery is found to be disabled, please replace the used up

UPS battery at power off as soon as possible.

Emergency treatment:

The battery is constructed maintenance free and leakproof. Its storage room also provides very good protection as long as the ambient temperature remains below 30°C and the ventilation of the Jiva system is free. However, should any accident happen and the sulfuric acid from the battery spills on skin or clothing, wash immediately with water. If the acid comes in contact with eyes, rinse eyes with large amount of clean water and see a doctor immediately. A larger external battery may be connected to give an extended operation. Please check your dealer about this capability when required.

WARNING:

If there are any signs of over charging or leakage of electrolyte please contact your dealer immediately

Serial Port – COM1

COM1 serial port must always be occupied by a suitable serial device or COM1 terminator (as supplied). If this port is left vacant or connected with something like a mouse the customer display port and the cash drawer control (when power management option is installed) may fail to work correctly.

POWER ON/OFF

There must always be at least 10 seconds waiting before switching on again once the system is powered off successfully.

LED Indicator



There is an LED in the logo area or under the printed logo and serves for several purposes. The relationship between LED status and other conditions is summarized in following table:

LED Status	System Status	External Power	UPS Battery	Powering Up
Off	Off	Off	Not present	Not possible
Off	Off	Off	Present	Not allowed
Green	Off	On	No influence	Allowed
Blue	On	On	No influence	Not required
Blue/flash	On	Off	Activated	Not required
Green/rapid flash	On	Off	Running at low capacity	Not required

Hardware Power Switch

The power switch located at left side of the main unit is a slide type switch. This switch controls the power on/off of the system. This switch turns the system on when slid downward, only when external power is present. The switch will always spring back to its original position when pressure is removed. This switch turns the system off when slid downward again during power on status. However, if the system hangs due to any reason such as software resource conflict a simple slide of the switch may fail to turn off the power. In this case, please utilize the **forced power off feature** by pressing the switch downward, and holding for within 10 seconds. In case the turmoil is so vigorous that some hardware registers may be confused causing trouble for system restart or even this forced power off, please disconnect the UPS battery if installed and the AC power supply for few minutes. This may allow all hardware registers to reset.

This switch can also be programmed as an ON only switch. That means, if the application program issues a command compliant with the Jiva series technical manual, this switch will always turn the system on when activated, but will not power off the system when depressed again (the forced power off feature will not work in this mode). When using this feature, please make sure that the software application has the ability to power off the machine. In preloaded Windows, “Posiflex Power Switch Manager” in “Posiflex Tools” in the Program Files helps managing these functions.

Software Off Command

The system may also be shut down under software control. Please just follow the arrangement by your system integrator for this capability.

Automatic Power On Control

The system may also turn on according to some preset conditions such as Modem Ring Up and Alarm Clock Wake Up or LAN Wake Up.

To utilize Modem Ring Up or Alarm Clock Wake Up function, the user should enter the CMOS setup by pressing “Del” key at system boot up, choose for “PM Wake Up Events” in “Power Management Setup” and make the “Ring Power Up Control” enabled for Modem Ring Up or select the “Power Up by Alarm” for Alarm Clock Wake Up. Save the configuration and exit the CMOS setup program. The Preset Power On Control will then be ready. For LAN wakeup, an operating caller system connected through LAN to the system is required. It also requires a qualified networking technician to check the LAN chip ID of the system for the caller system to wake up.

When the TP8200 system is turned off after a successful boot up, the preset automatic power on functions will keep monitoring for the preset conditions and turn on the system when the preset conditions are met.

Please note that if the TP8200 system is improperly turned off before a complete boot up procedure, the above preset power on control functions will be disabled until next turning off after a complete boot up.

Emergency Power Off

In case of serious system halt due to any reason, the system could fail to be powered off through normal means. Press and hold the Power ON/OFF Switch for Emergency Power Off. Release the switch after the system powered off. It will take about 4 seconds if no power management kit installed and it takes about 10 seconds if the option installed. If there appears to give a special coded beep tone in the pattern “short, long, short, long, short” prior to the system power off in this process, please remove the AC power and wait for few minutes to allow the hardware registers to reset (If there is no such beep, AC removal is not required). Then you may restart the system and take remedial action against the precious failure.

DISPLAY ISSUES

For best viewing result please set your display resolution at 1024 x 768 with high color.

In configuration of system memory, max. 128 MB can be shared as the video memory.

Second LCD Monitor

The VGA port in the Jiva 8200 supports LM6101 LCD monitor or TM6101 touch monitor installed on rear base. This port supports either mirror mode (identical image) or extended mode dual display function for WinXP. To support the DC power to these Posiflex monitor, use the special VGA cable and set an internal jumper in Jiva 8200 to supply the required power through the VGA connector.

SERIAL PORTS – COM1/2/3/4

In Jiva 8200, there are 4 serial ports available. All the serial ports can supply a +5 V DC through pin 9 after proper jumper setting change. All 4 ports are standard RS232 serial ports as status at delivery.

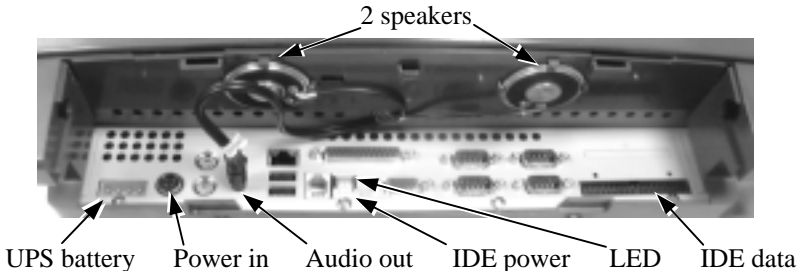
When an external serial Modem is to be used in Jiva 8200, it is most recommended to use COM2, COM3 or COM4 port for this purpose. In this way any hardware resource conflict is eliminated and the MODEM ring up function can be supported.

TOP MOUNT CUSTOMER DISPLAY

Please follow the instructions on the manual that comes along with the top mount customer display PD302 when it is installed.

SOUND PORTS

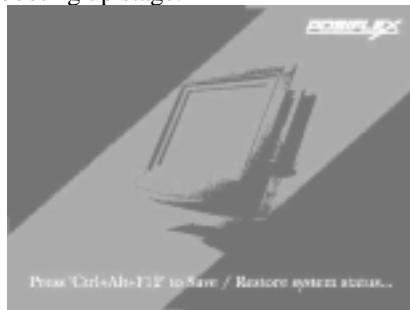
The audio port on Jiva 8200 supports a Microphone in and a stereo line out jacks. There is a single channel internal audio amplifier in the output port to drive the 2 slim type speakers installed in the I/O area inside cable cover as in the picture below with 1 W audio power. Should the application demand for higher audio power, please first ask your dealer to disable the internal audio amplifier and connect a pair of speakers with booster or amplifier to this port. Please note that this modification is a highly technical operation and should not be handled by any person else. Please also note that the number and types of I/O ports shown in picture below may evolve with time without notice.



SYSTEM PROTECTION

In the Posiflex POS system delivered with preloaded OS, there is a function built in for system protection. A screen as below will pop up for a short period of time in operation system booting up stage.

In normal practice, nothing has to be done and the system boot up continues. However, this function is useful for our end users to fight against virus attacks or malicious system invasions nowadays or even some possible system crash. Please connect a PS/2 keyboard to KB port of the system to engage this function if there is no specific instruction from your system integrator. Press the three key combination of "Ctrl" + "Alt" + "F12" at the above screen or press the key on programmable keyboard per your system integrator's arrangement.



Please follow screen display to refresh the system back up then you can call for instruction on system restore from your system integrator once the disaster occurs.

TOUCH CONTROL PANEL (not for LT models)

Mouse Emulation

The touch panel in Jiva TP 8200 works exactly like a standard mouse when its driver is properly installed. However, if the system is running under safe mode due to a previous improper shutdown or for any other reason, most drivers are disabled in this mode and the touch panel calibration may not coincide with the mouse pointer or even completely out of work. It is recommended to use a standard USB mouse or keyboard in this mode.

All the below mentioned mouse emulation functions can be manipulated through relevant software. The system can give a beep when the touch panel is touched and can respond as if the left button of a RS232 mouse is clicked at the point touched. If the point touched is dragged across the screen surface, it can respond as if it is using the mouse drag and drop feature. If the point is touched, released and touched within a short time interval, it will simulate double-clicking left button of the mouse. Emulating the click on right button of a real mouse takes a 2 steps operation. For IR type RS232 interface touch panel, click the “elo” icon in the tool tray and select for the “Elo Right Mouse Button Tool”. A drawing of a 2-button mouse will appear on the desktop. Touch the right button in this drawing. Any touch on the screen after this action will result in a right button mouse click. After touching the left button in this drawing will resume the left button function. For PS/2 interface touch panel, please follow instructions in Touch Terminal Manager.

RS232 Touch Controller

The leading edge Infra Red type touch control panel uses an RS232 interface controller connected to an internally reserved port COM5. Therefore this port setup must be entered in the driver setup to make the touch function correct.

Once the IR touch controller driver is installed, the user can utilize it to calibrate the touch screen, define mouse button emulation modes, enable right button emulation or define the click sound’s tone and duration. Please click “Start”, “Settings” “Control Panel” and “Elo Touchscreen” or just click the “elo” icon in tool tray to engage this utility. However, with this touch controller driver, certain display mode like full screen display of Windows DOS box should be avoided.

If, for any reason, the user wants to remove the driver for the IR touch controller, please select “MonitorMouse” in the program list for removal.

For the optional resistive type RS232 interface touch panel, it uses the same internal COM5 port as the IR type. The same driver for IR type is also applicable to the normal optional resistive type touch panel and works the same way. However, be sure to use only the driver delivered for this product

series.

Touch Terminal Manager

The information contained in this section applies only to those systems equipped with PS/2 interface resistive type touch control panel. For other Jiva TP 8200 systems, please disregard this section and consider this manual ends here.

Before using the PS/2 interface resistive type touch control panel, one must aware that if you connect any monitor to the VGA port of Jiva TP 8200 for extended secondary display application, unlike the IR touch, **you can not apply any touch control function for this secondary display** due to driver conflict concerns!

For PS/2 interface touch panel controller in Windows OS other than Windows 98, just similar way like the RS232 interface touch panel controller, touching any point on the screen surface after touching the right-click sticky button results as a click on the right button of the mouse at that point. In principal, the touch panel requires no further calibration once properly set. However, a program named “Posiflex Touch Terminal Manager” is installed in the preloaded Windows system for the user to maneuver versatile features of the touch terminal with a PS/2 interface touch panel controller. This program can also be obtained by download from the POSIFLEX web site.

This program also controls the beep generated when the touch panel is touched, the detail in right button click emulation, and also provides touch panel re-calibration.

