

# Jiva TP/LT- 8015

## Touch Terminal

### User's Manual

**POSIFLEX**



Rev. A2

#### **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.

#### **About This Manual:**

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The information in this manual contains only essential hardware concerns for general user and is subject to change without notice. Posiflex reserves the right to alter product designs, layouts or drivers without notification. The system integrator shall provide applicative notices and arrangement for special options utilizing this product. The user may find the most up to date information of the hardware from web sites:

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

All data should be backed-up prior to the installation of any drive unit or storage peripheral. Posiflex will not be responsible for any loss of data resulting from the use, disuse or misuse of this or any other Posiflex product.

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P/N: 16290900040

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 pay attention 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: P4 Celeron 2.0GHz
- b) A base design supporting HDD and optional UPS battery storage
- c) Support Win 2000, Win XP and Linux environment
- d) High quality 15" TFT active matrix LCD panel
- e) **Vertical type LCD panel with easy tilt** angle adjustment from 18° to 87°
- f) Leading edge InfraRed type touch panel (for Jiva TP only)
- 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 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)
- 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 shared from system memory (16 – 128 MB)
- 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

### 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.

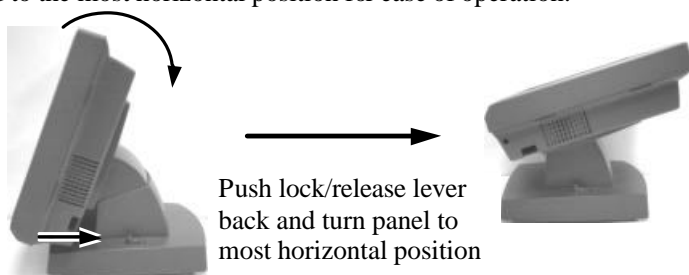
- a) DDR SDRAM memory expansion up to 2GB
- b) Resistive type touch panel durable for 35 million touches min. at same spot (for Jiva TP only)
- c) Side mount upgrade kit among:
  - ✧ Deluxe security device upgrade (KP100) covering keypad and option(s) from KB interface MSR, smart card reader and finger print sensor
  - ✧ General security device upgrade (SD100) covering a smart card reader or a 2 or 3 tracks ISO MSR and/or a 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/or optical scan type or E-M type finger print sensor
  - ✧ Bar code card reader BC-100U
- d) Integrated rear top mount LCD customer display PD-302
- e) USB interface external slim type CD ROM drive
- f) UPS battery
- g) Preload OS

## INSTALLATION GUIDES

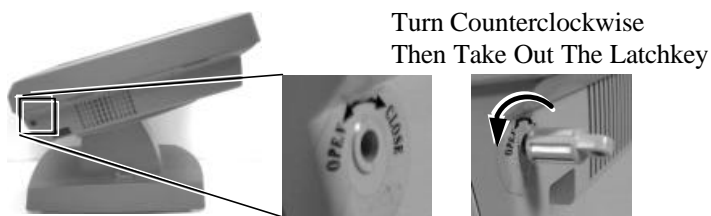
**CAUTION:** Before any installation or cable connection to the set, please always make certain that the system is turned off and the external power source to the set is removed to prevent electric hazard! Never touch any metal pin in the connectors or circuits to avoid high voltage hazard or electrostatic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

### OPENING CABLE COVER

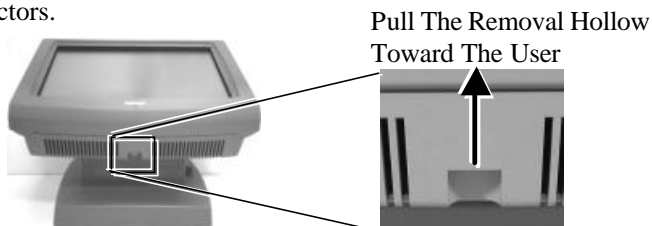
Please first push the lock/release lever on the base backward to adjust the stand to the most horizontal position for ease of operation.



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.**

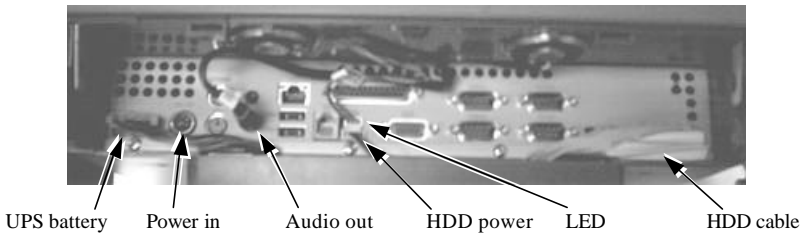


Then open the cable cover by pulling at the removal hollow to access I/O connectors.

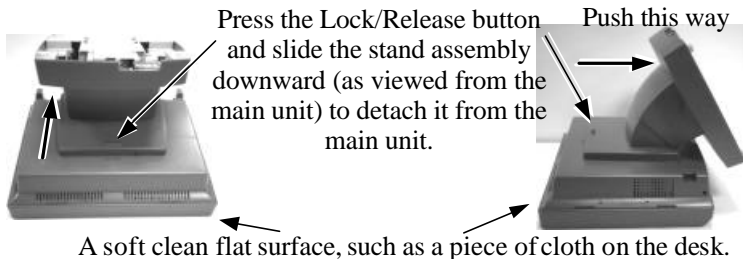


## DISCONNECTING CABLES

After removal of the cable cover, the connector area will be accessible then. Please **first note orientations of every existing cable connection** (example given below) and then disconnect every cable properly before separation of main unit and the adjustable stand assembly. Please note that the click lock spring has to be pressed down prior to pulling out the connector 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 itself** 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!**



## SEPARATING MAIN UNIT



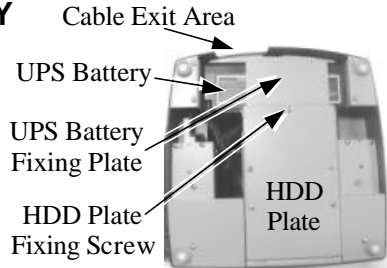
In order to settle the touch terminal properly in a point of sale system, all the cable connections have to be routed through its base, the stand assembly. Therefore, please press the lock/release button at the rear side to separate the main unit from the stand assembly after all cables in cable cover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

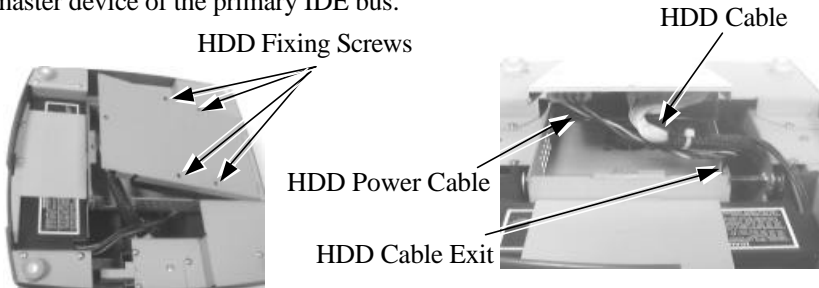
## THE STAND ASSEMBLY

Carefully retract any cable passing through the stand assembly via the cable exit area and turn the stand assembly up side down to show the bottom of the base. There we can find the HDD plate and a UPS battery storage room.



## HDD INSIDE HDD PLATE

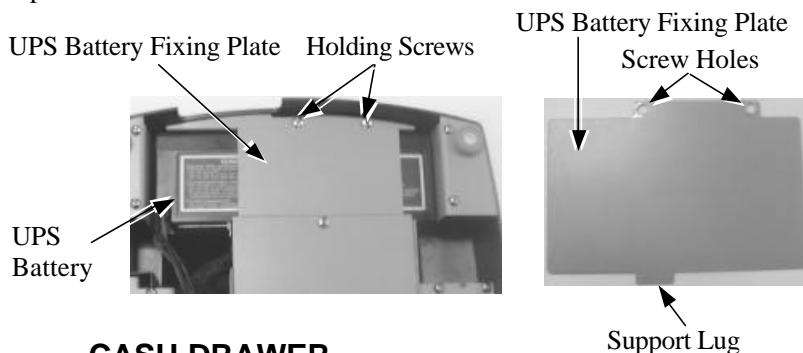
The information contained in this section is only for user's reference. In normal products there should be no need to open for physical access to the system HDD and therefore this section should be bypassed. However, just for information in case of need to access the HDD, please just remove the only screw required as indicated in the picture above to open the HDD plate. Please note that there are four screws on the HDD plate with shock absorbing materials on both sides for fixing HDD inside HDD plate as in the left picture below. Please always remember to fix HDD back only through these innovative protective design to enjoy Posiflex's superior reliability once you have released the HDD. Please carefully arrange that all cables for the HDD pass the HDD cable exit of this area as indicated in right picture below and not caught anywhere in the metal casing. The default status of the HDD is the master device of the primary IDE bus.



## INSTALLING UPS BATTERY

Please skip this section if there is no UPS battery (to be) installed. Please remove the two screws holding the UPS battery fixing plate as indicated in left picture below to expose the UPS battery compartment. Place the optional UPS battery in the battery compartment. After installation or replacement of the UPS battery, please first insert the support lug of the UPS battery fixing plate shown as in right picture below and screw the holding

screws back. Meanwhile route the battery cable through the base. Please pay particular attention to the environment requirement for UPS battery in next chapter “USING THE TOUCH POS”.



## CASH DRAWER

The Jiva 8015 is able to control the printer (direct) drive type Posiflex cash drawers. Among them, it is recommended that the Posiflex CR-4000 or CR-4210 be used since the terminal has been designed to compliment this cash drawer both mechanically and electrically.

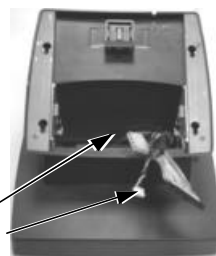
The Jiva 8015 will directly control the cash drawer using the cash drawer port (CR) both to operate the opening mechanism and to monitor the drawer open status. Both functions may be accomplished under software control of the COM1 serial port through the interface cable supplied with the cash drawer (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 8015 offers another advanced feature in the cash drawer control by using the optional split 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 8015 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.

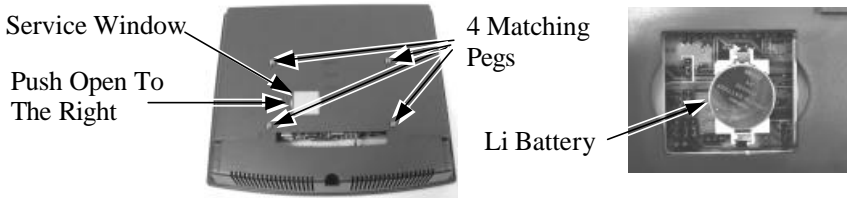
Route Cables through Front Part  
Connect this End to Main Unit



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 UPGRADE KIT

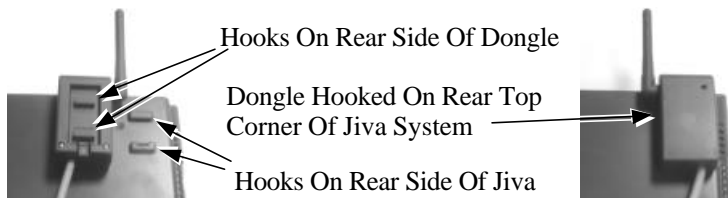
Please follow the instructions in the manuals delivered with the side mount upgrade kit: KP100, SD100, SD200 or BC100 and the rear top mount upgrade kit PD302 to fit them in Jiva 8015 construction.

The USB power arrangement in this system has been particularly designed to help smooth start up of the fingerprint sensor in SD200.

## WIRELESS PRINTER

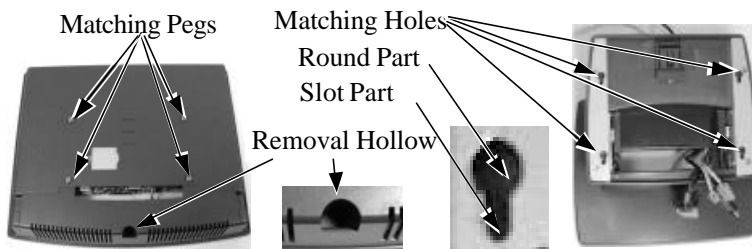
The whole Jiva series can access the Posiflex wireless thermal printer PP7700. To do this, a wireless Dongle DG2000 for this printer must be

separately purchased and installed to one of the serial COM ports in Jiva system. Please enable the + 5 V DC power support for this COM port. Notice 2 hooks on rear side of the Dongle and also 2 hooks on either top corner on rear side of main unit of the Jiva system. Match the hooks to mount the Dongle to either corner of the Jiva system. Should there be more than 2 Dongles to be installed in the application for the advantage of several fixed predetermined connections without need for connection alteration in process, the third Dongle and afterwards have to attach to the appropriate positions by use of the self-adhesive tape because Jiva series supports only 2 rear top corners with hooks.



The Posiflex wireless connection supports various application environments from having single Dongle to control single wireless printer to having single Dongle to control multiple wireless printers and further to having multiple Dongles to control multiple wireless printers. Unlike usual wireless printer solutions that requires the application software to use the printer server in WLAN the Posiflex wireless connection supports a genuine virtual cable connection thus supports the application software to use even the so-called direct I/O method for controlling the printer. The user may install the relevant driver prior to the application software if the software did not include the Posiflex wireless connection driver elements. The driver can be found together in delivery of the wireless printer or the Posiflex Product Information CD of version 1.9 or above, or please find it on our web <http://www.posiflex.com> or <http://www.posiflex.com.tw>

## 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 come out of the stand from the lower edge and won't 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

When later the main unit and stand assembly are to be re-assembled for application, 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 when 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 270 mm deep and 260 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 360 mm. When the main unit is tilted to near horizontal position, the total height required is 275 mm.

## OPERATING SYSTEM RECOVERY

For Jiva 8015, 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 8015 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. A Posiflex supplied USB interface CDROM drive 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.tw>.

Now please follow instructions from your system integrator for software recovery.

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 guidelines:

### Ventilation

This terminal must **NOT** be operated in an environment with restricted ventilation. The installation should be such that there is at least 25mm air clearance around any top or side ventilation holes. The installation must also be such that there is a free flow of air around the unit at **ALL** times.

### 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)

### UPS Battery (option)

#### General care:

The UPS battery is consumables beyond product warranty. Please note the following to preserve its serviceability as long as possible. When the equipment is to be powered off for more than few days, please disconnect the battery from the system and reconnect it and turn on the system to recharge the battery for 1 ~ 2 hours every 3 months if the temperature is lower than 30°C. Recharge for 1 ~ 2 hours every month if the temperature exceeds 30°C.

When an UPS battery is installed in this equipment, the environment should keep below 30°C to protect the life of the battery. 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 power failure and will be automatically recharged when system turned on with AC power presence. However, if the AC power outage is known to last for more than few minutes (2 ~ 6 min. depending on loading), it is advisable to turn off the system instead of using the battery up while **repeatedly using it up or improper maintenance reduces the battery life dramatically**. Please be particularly reminded to **disconnect the UPS battery** if the system is to be left OFF for more than **7 days** to prevent possible damage. Please be alerted that a study on brand new well-charged battery indicates that leaving a battery connected without system power on for recharging for 10 days or more or even storing the battery unconnected for more than 9 months could degrade the battery capability. A well-maintained battery can be expected to provide adequate service for 1 year.

### **Battery replacement:**

In the power management circuit in this POS system, there is a handy battery monitor feature to help user find out when an UPS battery should be replaced. The battery monitor will always first measure and check the UPS battery to see if the UPS battery is already incapable of service or if there is any sign for the possible critical fault development in the battery before it allows the charging operation to the UPS battery. Reason for such extra check is that indifferent recharging on a battery with some critical fault like micro short circuit will not only boost the fault development in and total failure of the battery but also can result in confusing system malfunction.

In the preloaded OS, there is a built in utility Power Manager that will interface the UPS battery monitor status with user. When a healthy UPS battery is added to an originally UPS function disabled system, the Power Manager will enable the UPS function automatically. However, when battery monitor disables the battery charging as designed while the UPS function of the system is originally enabled, in other words the UPS battery is found out of order if actually installed, there will be a popup message asking the user to agree disabling the UPS function. The system will operate under deactivated UPS function no matter agreed or not. However, the monitoring goes on and the popup message will come back on next system power up boot if not agreed. In any case, please replace the used up UPS battery at power off if the battery is well connected there but found inoperable by such messages.

### **Power Supply**

The operating voltage range of the 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.**

### **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 Support

The Jiva series provides a software power off command for application program maneuvers. The Jiva also provides a specific means for the software to detect if the system is working on external or UPS battery power. Due to this feature, compatible software applications have the ability to change operating conditions when running on standard/backup power. The software programmer may take reference from the Jiva technical manual to apply such features.

## **AUTOMATIC POWER ON**

There are several ways supported by this system to perform an automatic boot up as long as external power is supplied to the system. Procedures for each method are described below.

### **By RTC Alarm preset**

1. Preset the system to timely boot up by pressing “Del” key at powering up this system to enter system BIOS CMOS setup.
2. Select “Power Management Setup” and enter “PM Wake Up Events”. Go to item “Power Up by Alarm” and change the setting to “Enabled”.
3. Alarm setup detail will appear. Set the alarm as wished then press “F10” key to save and exit CMOS setup.
4. This system may be powered off and will automatically boot up at the preset alarm time.

### **By RS232 MODEM Ring up**

1. Preset the system to boot up on RS232 MODEM ring by pressing “Del” key at powering up this system to enter system BIOS CMOS setup.
2. Select “Power Management Setup” and enter “PM Wake Up Events”. Go to item “Ring Power Up Control” and change the setting to “Enabled” then press “F10” key to save and exit CMOS setup.
3. Connect a RS232 MODEM to any of COM2, COM3 or COM4 and to a proper telephone line. This system may then be powered off and will automatically boot up at the MODEM ringing.

### **By LAN Wakeup**

For LAN wakeup, an operating caller system connected through LAN to the system to be called is required. It also requires a qualified networking technician to check the LAN chip ID of the system to be called for the caller system to wake up.

## **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.

### **External LCD Monitor**

The external VGA port in the Jiva 8015 supports TM4115 touch monitor, LM6112 LCD monitor or TM6112 touch monitor. 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 DC adaptor to connect into the monitor or VGA cable or purchase the special VGA cable and set an internal jumper in Jiva 8015 to supply the required power through the VGA connector.

## 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 application, nothing has to be done and the system boot up continues. However, this system protection function is provided for our end users to fight against enormous 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 only when necessary. Press the three key combination of “Ctrl” + “Alt” + “F12” at the above screen to get a screen display as below.



Please be solemnly alerted that the system restore operation means the irrecoverable erasure of existing data or system setup, it is strongly advised to **press “Esc” key** to avoid such miserable damage if there is any doubt.

Pressing “F4” key at this screen will save the current status of the whole system and the earlier saved status will be cleared at the same time. Therefore, please do this save only when you know that your current system status is “safe” and “clear”.

Pressing “F3” key at this screen will restore the last saved system status. Please be aware that whatever data or any system change ever since last “save” will be permanently lost by this restore operation. Therefore, do restore only after you have made all the necessary data preservation!

Pressing “F2” key at this screen will restore your system back to the “OS + application software” situation that your system integrator has put into protection with technical help from Posiflex before they deliver you this POS system with software solution. Please note that whatever data or any system change you have made on this system will be lost by this action. Pressing “F2” key will have no response if your system integrator did not do the protection or if you have erased their effort by action in next paragraph.

Pressing the three key combination of “Ctrl” + “Alt” + “F1” will restore your system right back to the “pure OS” status. Please **never** take this action unless you know exactly what you are doing and what to do next! The whole process may take quite a while.

## **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.

## **SERIAL PORTS – COM1/2/3/4**

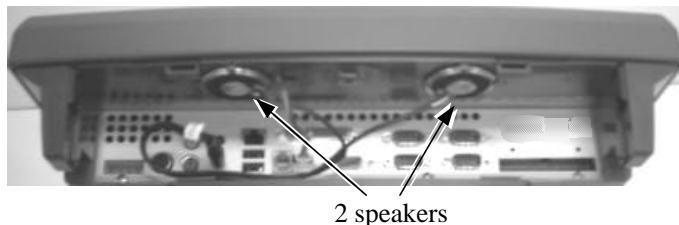
In Jiva 8015, there are 4 serial ports available. All the serial ports can supply a +5 V DC through pin 9 after proper jumper setting change. All 4 ports are standard RS232 serial ports as status at delivery.

When a serial Modem is to be used in Jiva 8015, 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.

## **SOUND PORTS**

The audio port on Jiva 8015 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.



## **TOUCH CONTROL PANEL (not for LT models)**

### **Mouse Emulation**

The touch panel in Jiva TP 8015 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. 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.

### **RS232 Touch Controller**

The standard Jiva TP 8015 delivered is equipped with the leading edge Infra Red type touch control panel. This touch 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 normal optional resistive type touch control 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 specially arranged systems equipped with PS/2 interface touch control panel. For standard Jiva TP 8015 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 a monitor to the VGA port of Jiva TP 8015 for extended secondary display application, unlike the standard 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 PS2 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.

