

## 1 Introduction

It is designed around a powerful ARM9 32-bit processor with 400MHz running a standard Linux operating system integrated with Thermal Printer, Graphic LCD, Magnetic Strip Card Reader, Smart Card Reader and a choice of contemporary connectivity options.

The high capacity snap-in re-chargeable Lithium-ion battery pack and special emphasis on power management makes the VISIONTEK 92 POS terminal a most versatile terminals for deployment across diverse application scenarios, whether fixed location or mobile environments.

### IMPORTANT SAFETY INFORMATION

To protect yourself and your VISIONTEK 92 POS terminal against electrical shock, fire, power surges and other risks follow all pre-cautions while using.

#### INSTRUCTIONS AND CAUTIONS:

- Never install the VISIONTEK 92 POS terminal in the following places:
  - Exposed to direct sunlight, Moist, hot or dusty
  - Unstable or vibrating places
  - Near flammable liquid or gas
  - Near large appliances Viz. A.C, Fridge etc.
  - Near electric apparatus such as radios and TVs
  - Near magnetic bodies such as audio speakers
- Avoid using the terminal during lightning storms
- Do not use liquid or aerosol cleaners for cleaning
- Do not disassemble or modify your 92 POS unit
- Do not open the cover of the 92 POS terminal during operation
- Do not expose the terminal to metal particles
- Do not yank the power cord or place anything on the power cord
- Do not pull the power plug with wet hands
- Do not short or tamper with battery pack gold contact tabs during handling
- Do not try to charge the battery on other chargers
- Do not expose to the rain (or) water

**Note:** Do not tamper or remove any stickers on the VISIONTEK 92 POS terminal. It may void the warranty on the unit and weaken tamper detection.

#### CONTENTS OF SHIPPING CARTON

When you unpack the shipping carton, you should find:

- VISIONTEK 92 POS terminal with battery pack - Fig. 1a
- Thermal Paper Roll - Fig. 1b
- Serial RS-232 Console Cable-Fig.1c
- DC Adaptor -Fig.1d



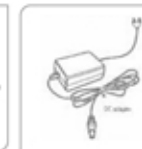
1a. Main Unit



1b. Thermal Paper Roll



1c. Serial Cable



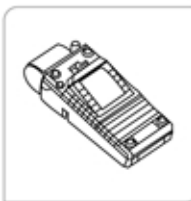
1d. DC Adaptor

## 2 Installation

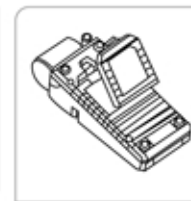
### HANDLING OF BATTERY PACK

**Battery removal:** Pick up the unit and turn it bottom up to see the battery pack and Gently press the spring latch towards the battery and lift the battery pack out of the unit.

**Battery insertion:** Insert the battery pack rear tabs first into the terminal then gently swing down the spring latch end and press it into the unit.



Step 1



Step 2



Step 3

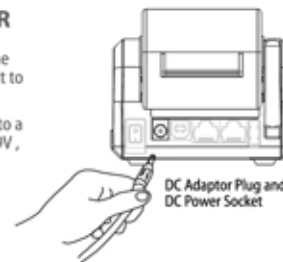
#### WARNING:

- Do not dispose the battery pack in fire.
- Dispose used batteries in accordance with local recycling regulations.
- If for any reason you intend to remove and place aside the battery pack make sure that the gold plated metal contacts do not come in contact with any metal objects.

### CONNECTING THE DC ADAPTOR

Insert the DC Adaptor's 9V DC output cable into the terminal's DC power connector socket located next to the Power Switch.

Plug the DC power adaptor's mains power plug into a standard AC input 100-240V, 50/60Hz DC output 9V, 2.2A wall socket.



**Note:** Even if the unit is not switched ON the battery pack in the unit will be charged when ever the DC Adaptor power is available

### SWITCHING ON THE UNIT

#### Power Switch

- The power ON/OFF switch is at rear right hand corner as shown in the figure below.
- It is a push type rocker switch which stays in the '0' position when released.
- To power up the terminal, press the switch to the '1' position momentarily and release.
- To power it off again, press and hold the switch to the '1' position continuously for about 3 seconds.



### LOADING THE THERMAL PAPER ROLL

- Unlock the printer cover, and then rotate the cover towards top side and open it.
- Place a roll of thermal paper (20 mtr.) in its housing as shown in the fig. below
- Hold the extreme end of the paper roll by keeping a few centimeters of thermal paper out of the paper roller of the printer cover, Ensure paper in its proper place and close the printer cover.
- Gently lock the printer cover



### CONNECTING SERIAL INTERFACE RS-232

Insert the RJ45 cable end plug into the 8 pin RJ45 socket marked "RS-232".



### CONNECTING SERIAL INTERFACE USB DEVICE

Insert the USB Device connector input pin into the USB Device port of the 92 POS terminal.

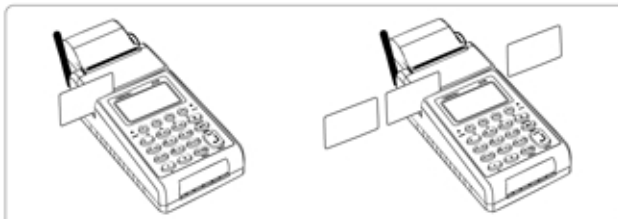


### 3 Operation

#### USING PAYMENT CARDS

##### Magnetic Stripe Cards:

- Hold the card so that its magnetic stripe is facing down towards the Magnetic Swipe Card Reader
- Swipe the card in a smooth continuous manner. Bi-directional reader.



##### Smart Cards:

- INSERT the smart card (Chip end first) into the opening provided for the reader on VISIONTEK 92 POS front panel as shown in the picture.
- For guidance, most smart cards will have directional guide arrows engraved or inscribed on the cards.



- Precautions:**
- Change/Charge the battery when it indicates one bar on LCD.
  - For transactions, there should be a minimum of two bars present on the display.

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#### TROUBLE SHOOTING

Sl.No.	Problem	Remedy
01.	Nothing appears on the Display	<ol style="list-style-type: none"> <li>Check the battery voltage</li> <li>Check the contact of the battery voltage.</li> <li>Make sure the power cord is properly plugged into power outlet.</li> <li>Connect another electrical appliance to the outlet to see if the power from the outlet is present.</li> </ol>
02.	Printer Not Working	<ol style="list-style-type: none"> <li>Check the paper and its position</li> <li>Verify the printer cover</li> <li>Check for the Battery status</li> </ol>
03.	Battery	<ol style="list-style-type: none"> <li>Green led indicates full charge in the battery</li> <li>Red LED indicates Low battery</li> <li>Blinking of LED indicates battery too low, need to charged</li> </ol>

#### SPECIFICATIONS

Processor	ARM9 32-bit Core CPU @ 400MHz
Memory	128 MB RAM (DDR) / 256 MB Flash
Software	LINUX OS (2.6.31)
Keypad	19 Backlit keys including 4 function keys and 3 command keys
Display	128 x 64 pixel Graphic LCD with backlighting
Printer	Thermal graphic printer; 8 dots/mm: 57mm (2.25 in.) wide paper
Magnetic Stripe Card Reader	3 Track Bi-directional
Smart Card Reader	* ISO 7816 certified Smartcard Reader
Peripheral Ports	<ul style="list-style-type: none"> <li>1x RS-232</li> <li>1x USB Device</li> <li>* 1x USB Host</li> <li>Micro SD card holder for extendable memory size</li> <li>2 SAM's</li> </ul>
Communication Modules	<ul style="list-style-type: none"> <li>* a) LAN 100 BASE-T (Standard RJ45 connection)</li> <li>* b) GSM / GPRS (SMA female antenna connection)</li> <li>* c) CDMA (1X2000) (SMA female antenna connection)</li> </ul>
Power Adaptor	AC input 100 - 240V, 50/60Hz DC output 9V, 2.2A
Battery	Li-Ion 7.4V, 1.8Ah
Enclosure	ABS+PC
Operating Temperature	0°C to 55°C
Humidity	95% RH non condensing
Immunity	IEC 61000-4-2, Level 3 IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-9, all Level 4

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Safety	CE Certified
Dimensions (mm x mm x mm)	L 245 x W 96 x H 85
Weight	750 gms.

\* Indicates optional features.

#### WARRANTY

VISIONTEK 92 POS is warranted for a period of 12 months from the date of sale against manufacturing defects. Antenna and Battery 6 Months warranty. Linkwell Telesystems Pvt. Ltd, obligation under this warranty shall be limited to servicing or replacing the defective parts provided that notice of such defects and satisfactory proof thereof is given to Linkwell Telesystems Pvt. Ltd. The warranty does not cover any defect in the product caused by accident, misuse, mishandling, negligence, alteration, modification or substitution of any of the components or parts or any attempt at internal adjustments, any form of tampering by unauthorized/unskilled service personnel, loss of components or accessories, natural calamities and over voltage of electricity.

Under no circumstance shall Linkwell Telesystems Pvt. Ltd, be liable for any consequential or resulting injury or for loss, damage or expenses directly or indirectly arising from the use of this product Linkwell Telesystems Pvt. Ltd will make every effort to carry out repairs/replacement under this warranty as early as possible and it is expressly made clear that the company shall not be liable to do so within any specified time or period.

The decision of Linkwell Telesystems Pvt. Ltd as to the nature of the defect and applicability of this warranty shall be final. Claims if any, to this warranty shall be only made before the courts having jurisdiction in Secunderabad, Andhra Pradesh.

#### 92 POS Variants



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##### BRANCHES:

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KOLKATA - 033-22176549 | MUMBAI - 022-24916940/42 | NOIDA - 0120-4281114 | VIZAG - 0891-2508088

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VISIONTEK



User's Manual

#### 92 POS

**Congratulations !!!** We thank you for purchasing the VISIONTEK- 92 POS terminal. This User's manual will help you in knowing all the features of the system including installation. Operational and installation procedure in a step by step manner. Please keep this handy manual for easy reference.

**Note:** The specific options are factory configured as per your order. Parts of this manual pertaining to other variants and options may not be applicable to your particular VISIONTEK 92 POS terminal.

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2 Installation

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