



# Installation Guide

Prepared By: YH Song

Doc Version: V1.2

Date Issued: July 24, 2003



<b>Version</b>	<b>Modified By</b>	<b>Modified Date</b>	<b>Section Modified</b>	<b>Reason Modified</b>
1.2	CH Lee YH Song	24/07/03	All	Original

**Table 1 - Document Control Information**

### Introduction

The JadeAIRE Installation Guide is a complete guide on how to install and use CyberNet JadeAIRE wireless/mobile EFT-POS terminal.

## 1. Overview

The JadeAIRE, the latest addition to the CyberNet product lines, is the most compact and stylish wireless/mobile payment terminal available in the market today.

Featuring 32bit microprocessor, the JadeAIRE delivers the combination of the latest payment capabilities and the most sophisticated wireless technologies (GSM, GPRS and CDMA) to process payment anywhere, anytime by the merchants on the move.

The JadeAIRE is comprised of handset and docking station. The handset can also be used as a mobile phone by plugging an earphone into the earphone jack located at the right side of the handset.

## 2. Selecting a location for your terminal

Select a location for your terminal that is both convenient for the operator and offers adequate ventilation and protection. The terminal should be mounted on a flat surface and in general, avoid areas with;

- Excessive heat or dust
- Oil moisture
- Excessive electrical noise (caused by air conditioners, motors, fans or power tools, etc.)
- Direct sunlight or artificial light that could reflect glare off the display panel

### **3. Unpacking**

Carefully inspect the shipping carton and its contents for shipping damage. If the terminal is damaged, file a claim immediately with the shipping company or carrier and notify CyberNet Inc. Do not use a damaged terminal.

1) Remove all the items from the carton. You should have;

- The JadeAIRE terminal (handset + docking station)
- Telephone cable (bundled if optional wired modem ordered)
- Power pack with a cable
- Paper roll
- Battery
- The JadeAIRE Installation Guide

2) Remove any protective wrapping from the terminal and place all the components on a table or counter.

3) Save the carton and packing material for repacking or moving the terminal in the future.

## Installation Guide

### 1. List of contents

- The JadeAIRE terminal (handset + docking station)
- Telephone cable (bundled if optional wired modem ordered)
- Power pack with a cable
- Paper roll
- Battery
- The JadeAIRE Installation Guide

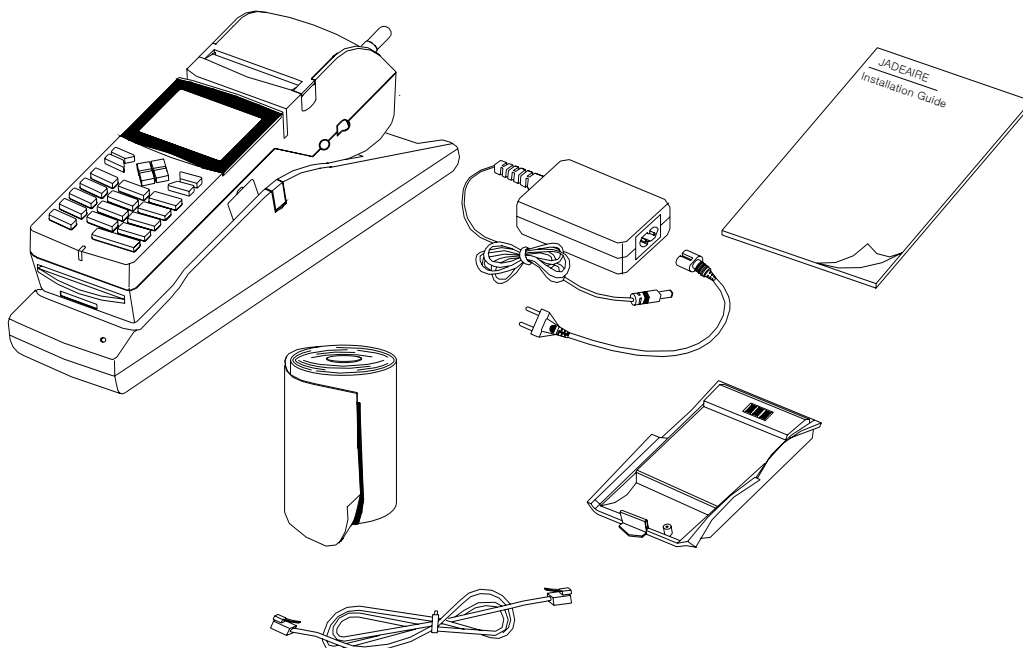


Figure 1: Contents of The JadeAIRE package

## 2. Icon descriptions

JadeAIRE is capable of supporting both graphics and icons. Below is the list of icon descriptions.

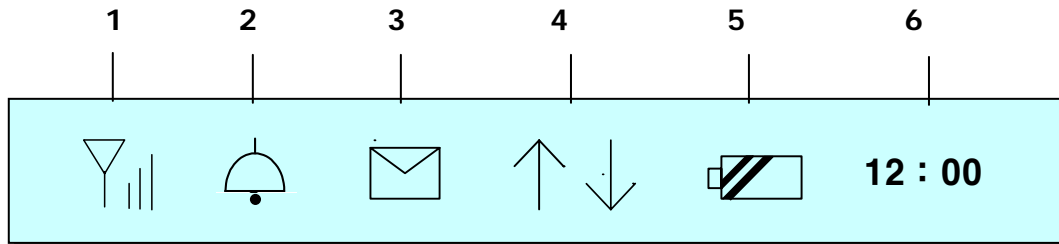







Figure 2: JadeAIRE icons

Icons	Descriptions
1. 	Antenna reception signal level
2. 	Alarm
3. 	Incoming message (Voice or text message)
4. 	Menu scroll
5. 	Battery charge level
6. <b>12 : 00</b>	Current time

### 3. Handset and docking station connections

For connecting handset to docking station, simply place the handset on the docking station and slightly press it down until you hear a click. In order to remove the handset from the docking station, simultaneously press two clips placed on both side of the docking station and lift.

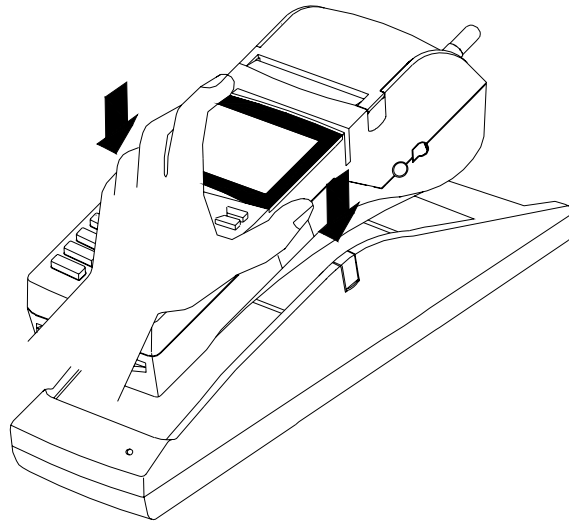


Figure 3-1: Handset connection to docking station

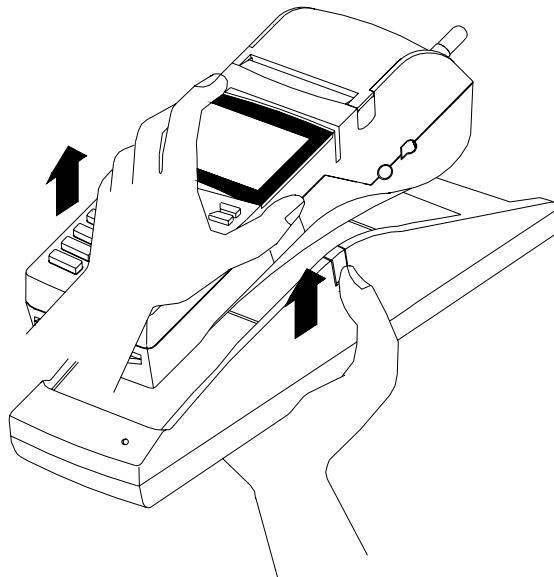


Figure 3-2: Handset removal from docking station

## **4. Power connections**

Before use, fully charge the battery (approximately 3 ~ 4 hours) bundled in the JadeAIRE package. When charging the battery, place the battery pack on the back of the handset and put the handset on the docking station as shown in Figure 4-1. Connect the DC adapter to the power cable. Plug the power cable into the electrical outlet and the opposing end into the DC jack on the back panel of the docking station. Use the power switch on the left of the docking station to power it on. When fully charged, the LED (Light Emitting Diode) on the bottom of the docking station turns green. Remove the handset from the docking station and switch the docking station off.

Press F4 key for a few seconds to power the handset on.

When using the JadeAIRE with the WIRED modem (33.6kbps/option) in the docking station, follow battery charging instructions provided above and keep the docking station powered on during all transactions.

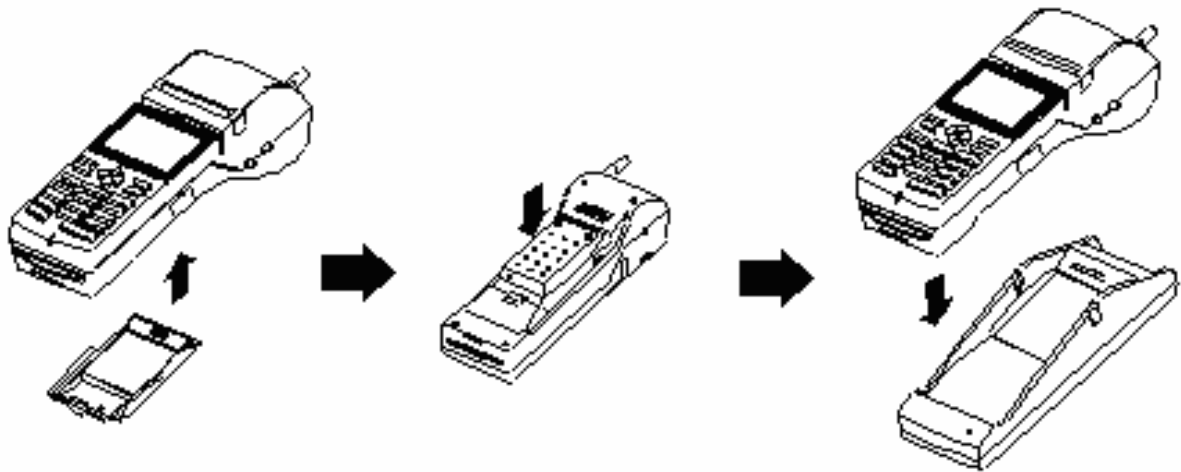


Figure 4-1: Battery installation/charge



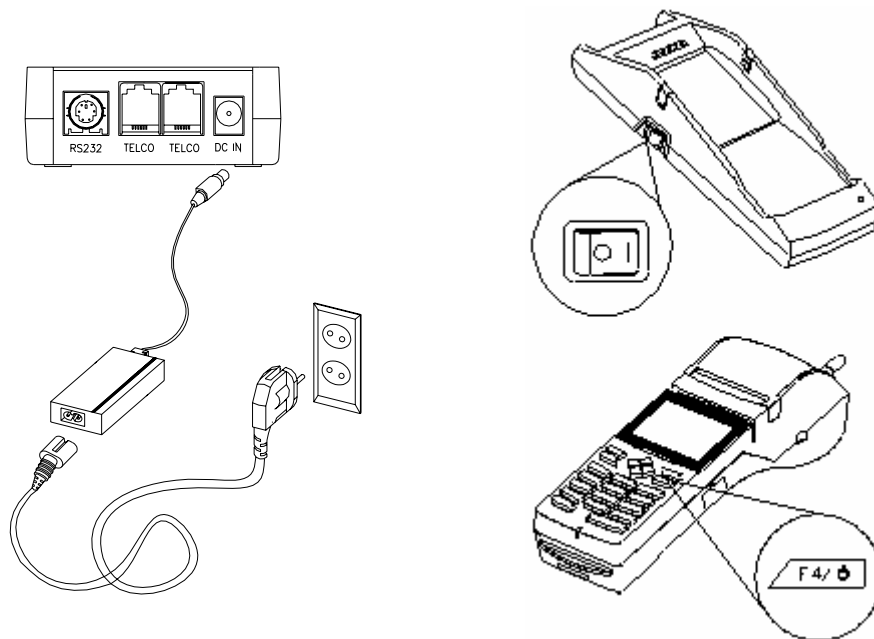


Figure 4-2: Power connections

- Warnings:

Warnings must be followed as provided for the safety of the user and the equipment.

- Always disconnect power to the JadeAIRE before connecting other ports or changing chips.
- Do not use a DC adapter that did not come with the JadeAIRE.
- Do not disassemble the DC adapter. Only a qualified service technician should service the adapter.
- The DC adapter is designed for indoor use only. Do not expose to fluids or harsh environment including rain or snow.

## 5. Telephone line connections

Telephone line connections are **ONLY** required for the JadeAIRE with the WIRED modem (33.6kbps/option) in the docking station.

To eliminate the expense of setting up the additional phone line, two telephone ports are available on the JadeAIRE's docking station as shown in Figure 5. Connect the one end of the incoming phone line into either of the interchangeable RJ-11 telephone ports. Insert provided telephone cable into the second port and the opposing end of the cable into a telephone. The use of a different/wrong cable may result in improper operation.

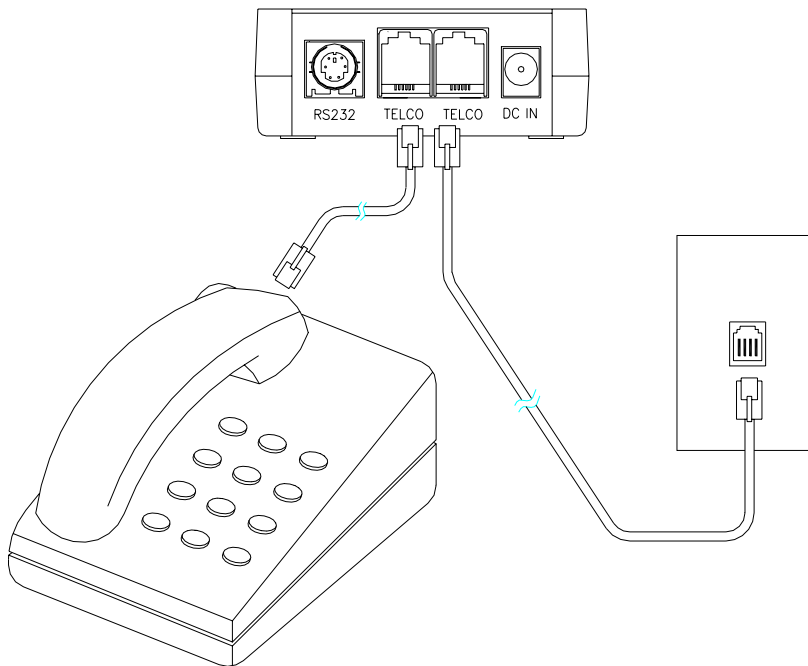


Figure 5: Telephone line connections

## 6. Peripheral ports & interface contacts

### 6-1. Handset ports & contacts

#### 1) Ports

A port on the right side of the handset is a RS232 port for data transfer. For using this port, an optional RS232 cable (shown in Figure 6-1-1) is required.

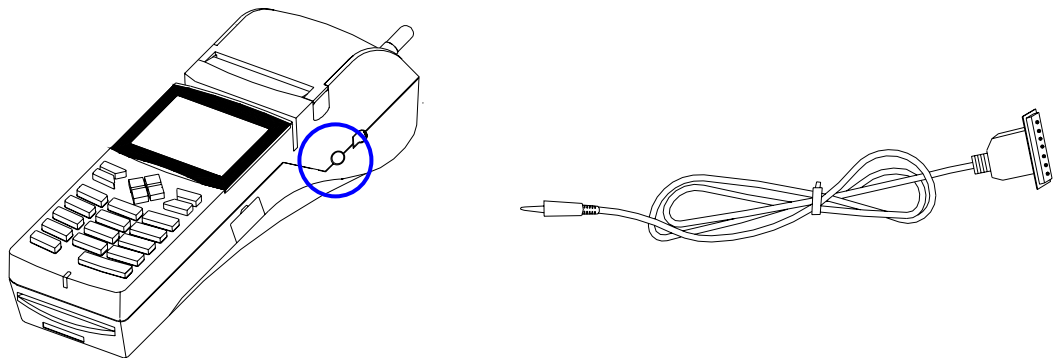


Figure 6-1-1: Ports on handset

#### 2) Interface contacts

As shown in Figure 6-1-2, there is an interface contact on handset. This contact is for connecting handset to docking station.

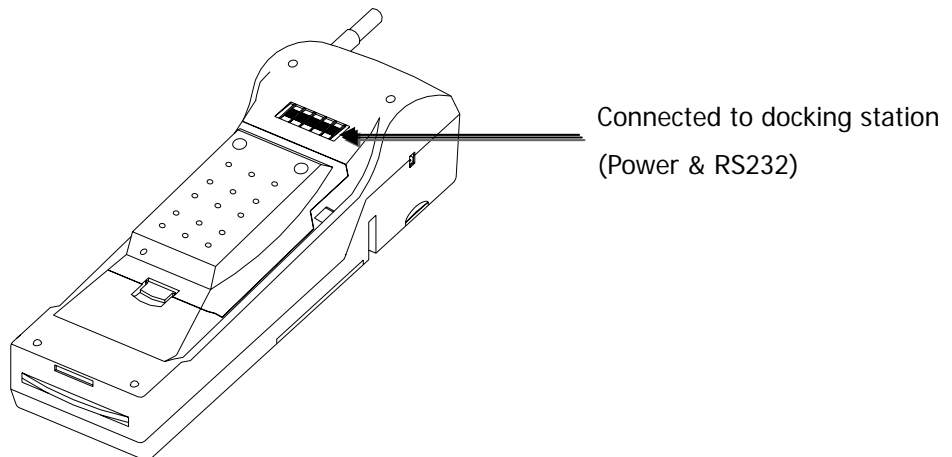


Figure 6-1-2: Interface contact on handset

## 6-2. Docking station ports & contacts

### 1) Ports

The first port on the left is a RS232 port for data transfer. Two ports in the center are RJ-11 telephone ports and the last port on the right is a DC jack.

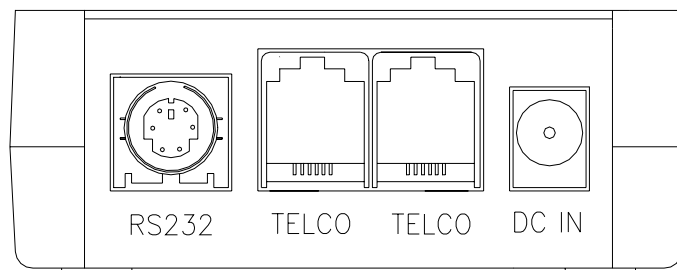


Figure 6-2-1: Ports on docking station

### 2) Interface contacts

As shown in Figure 6-2-2, there is an interface contact on docking station. This contact is for connecting docking station to handset.

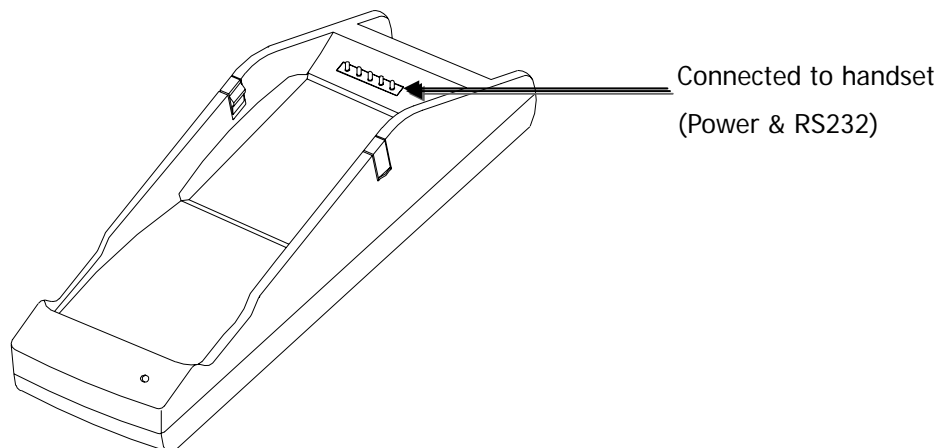


Figure 6-2-2: Interface contact on docking station

## 7. Paper loading in the JadeAIRE

- 1) Remove the first few inches of paper roll with a scissors if damaged or worn.

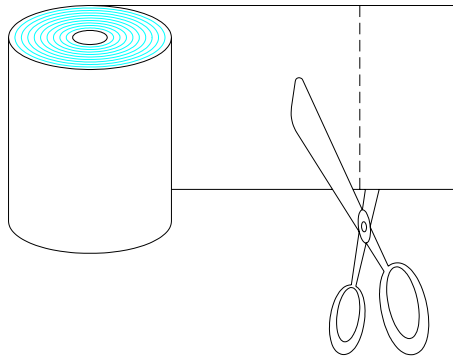


Figure 7-1: Paper loading

- 2) Open the plastic cover as shown.

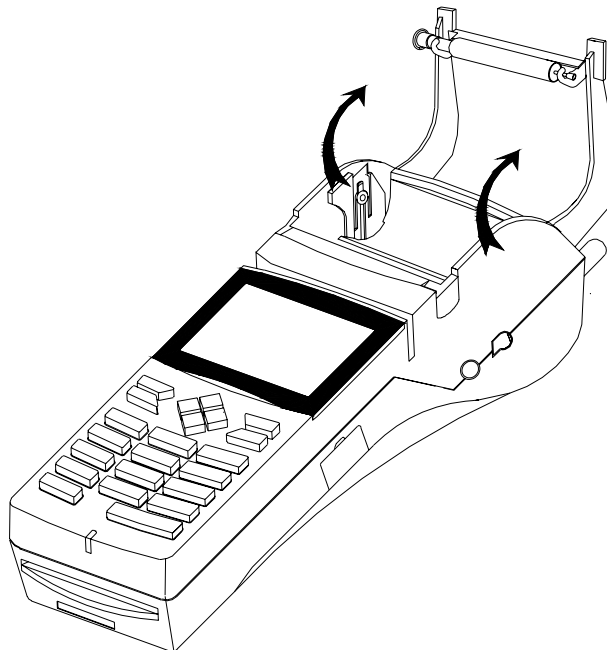


Figure 7-2: Paper loading

- 3) Insert the paper roll into the basket as shown.

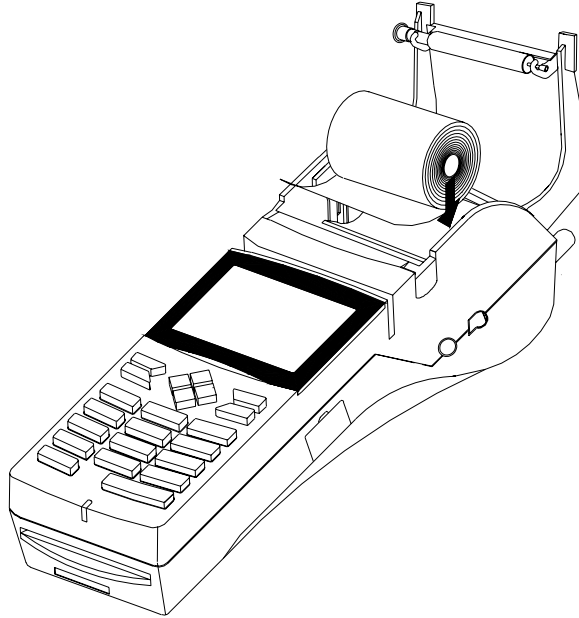


Figure 7-3: Paper loading

- 4) Close the cover.

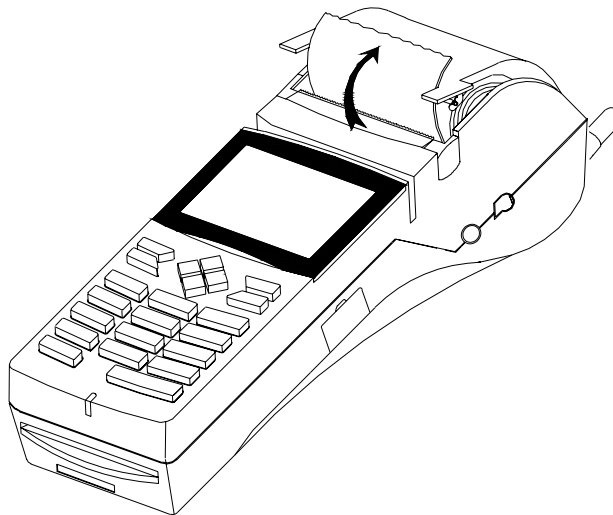


Figure 7-4: Paper loading

5) Paper loading completed.

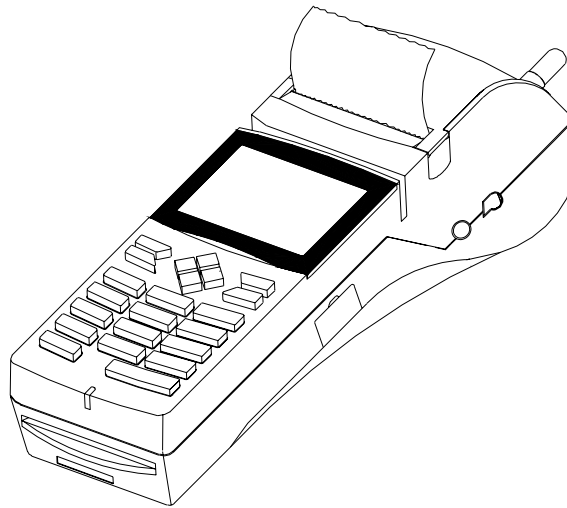


Figure 7-5: Ready for printing

## 8. SAM chip installation

- Warning: Power must be disconnected before SAM chip installation.

- 1) Remove the screw from left bottom of the battery pack.
- 2) Press upwards and lift up the battery pack clip until it can be removed.

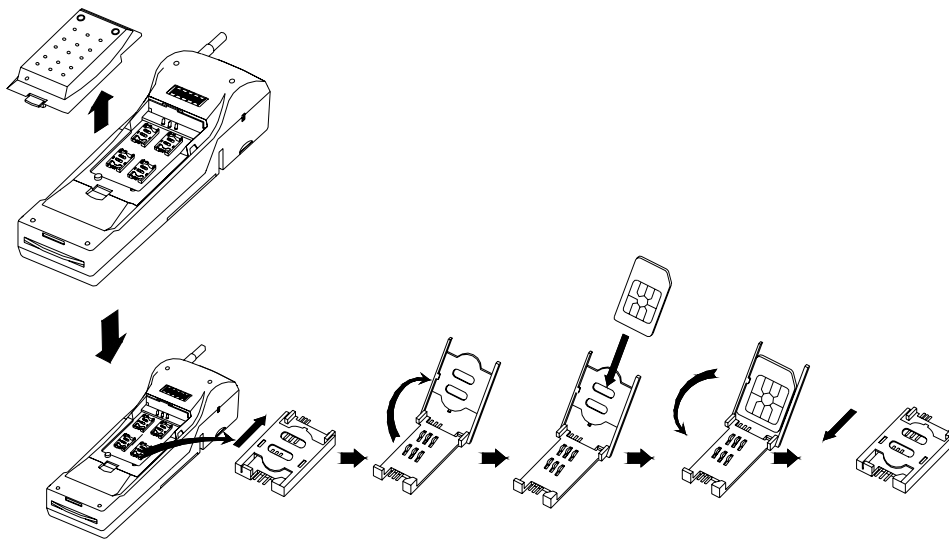


Figure 8: SAM chip installation

- 3) Take one of the SAM sockets out and flip the cover up. Insert the SAM chip as shown.
- 4) Flip the cover back down with the SAM chip inserted and lock into place.
- 5) Close the battery pack and screw.

- Notes:
  - By default two SAM sockets are provided in the JadeAIRE
  - For SAM chip replacement, repeat the same procedure.



## 9. Magnetic-stripe (MS) card reading

The magnetic stripe (MS) card must be swiped horizontally from left to right as shown below at a consistent speed.

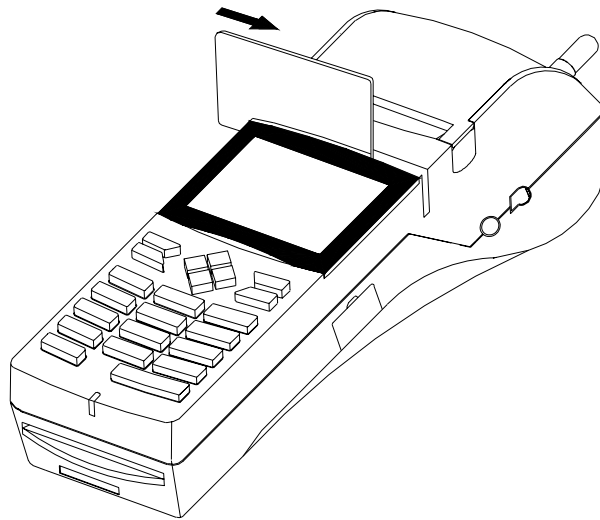


Figure 9: MS card reading

## 10. Smartcard reading/writing

Firmly insert the smartcard with the chip facing upwards as shown in Figure 10 until it comes to a stop.

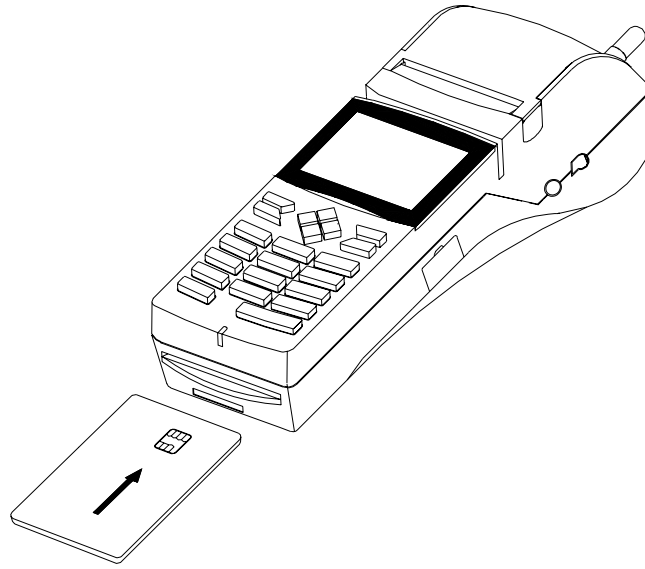


Figure 10: Smartcard reading/writing

**CyberNet Inc & Corporate Headquarters**

6<sup>th</sup> Floor, Sebang Bldg (New Bldg),

708-8 Yoksamdong, Kangnamku,

Seoul, Korea

TEL: +82.2.501.8418

FAX: +82.2.501.8434

Website: [www.cybernetww.com](http://www.cybernetww.com)

