BIP-100
Manual

[Windows CE]

Bluebird

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The program provided with this product is copyrighted and copyright laws prohibit reproducing the program or the program manual in whole or in part without the permission of the copyright holder.

Some functions of this product may lead to some problems in the operation according to the available conditions, usable program, peripheral equipments, and etc.

This wireless equipment has the possibility of radio interference and no service permitted in connection with human health and security.

Registered Trademark

PIDION

User's Instruction

⚠ Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Knowing the product

FCC RF EXPOSURE INFORMATION

WARNING! Read this information before using your a card terminal

In August 1996 the federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC regulated transmitters.
Those guidelines are consistent with the safety standard previously set by both U.S and international standards bodies.
The design of this a card terminal complies with the FCC guidelines and these international standards.

CAUTION: Use only the supplied or an approved antenna. Unauthorized antennas, modifications, or attachments could impair call quality, damage the a card terminal, or result in violation of FCC regulations. Do not use the a card terminal with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for replacement antenna.

The system antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all the persons and must not be co-located or operating in conjunction with any other antenna or transmitter

Table of Contents

Ⅰ. We know goods and put.

- **The structure of goods.**

Confirm whether it agrees.
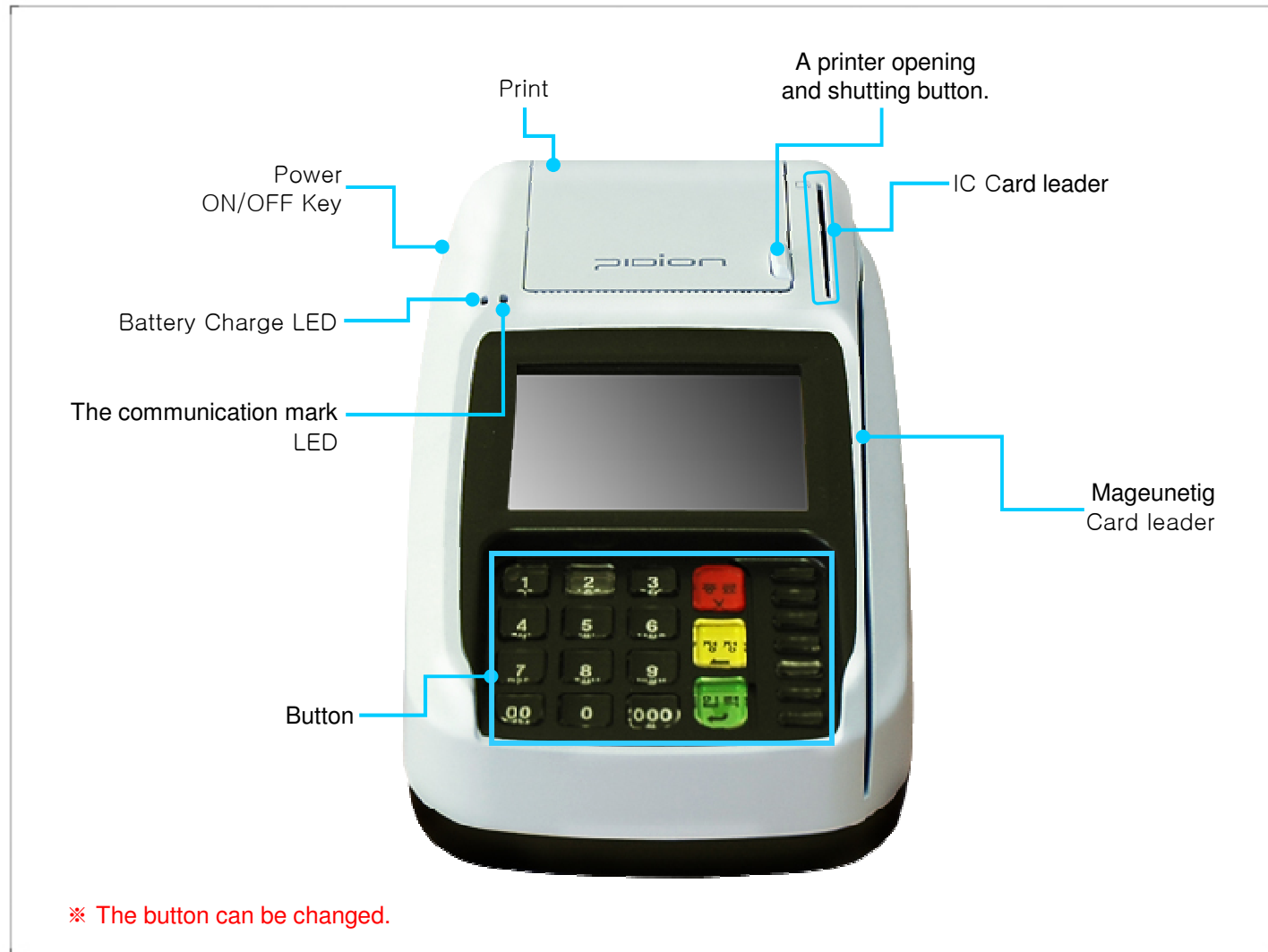
［Voucher sheet］　　　［Stylus pen］

［Power supply cable］　　［AC Adaptor］

※ The component can be altered.
※ We offer a telephone line case cable which a telephone
   communication is possible which is goods.

（option）**Telephone line**

※ The painting to be marked in the utility explanation or picture can be different from the real thing.
※ We wish that we should ask the customer center when we buy the goods of the selection specification.

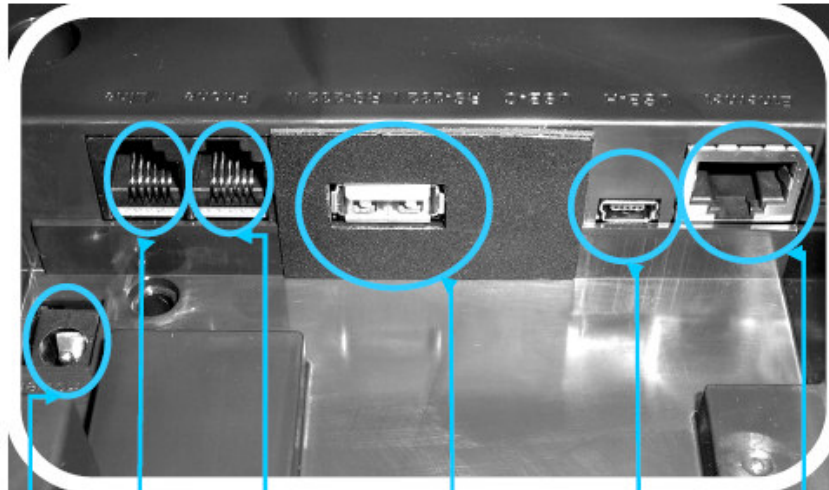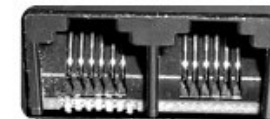# Ⅰ. We know goods and put.

- An each wealth description

Print

A printer opening and shutting button.

Power ON/OFF Key

IC Card leader

Battery Charge LED

The communication mark LED

Mageunetig Card leader

Button

※ The button can be changed.

I. We know goods and put.

- **An each wealth description**

DC_JACK   SERIAL 2   SERIAL 1   USB-HOST   USB-CLIEN   ETHERNET

(9V/3A)   (BARCODE Scanner)

(RFID, The cave(BIP-110))

-**SERIAL PORT PIN MAP**

- **NORMAL STANDARD USB-HOST KUNEGTU**

- **MINI USB CLIENT**

- **STANDARD 100M ETHERNET RJ45 커넥터**

SERIAL2   SERIAL1

(RFID, DOGLE)   (BARCODE)

[The base side]

I. We know goods and put.

- BIP-100 Specification.

Divisioon	Specification
CPU	ARM9205T Core, 200MHz Max, Clock Rate
OS	Windows CE 5.0
Memory	RAM: 64MB, ROM: 64MB
Display	3.5" TFT LCD, 240 × 320 Pixel
Communication	GSM / GPRS: 900 / 1800MHz, 850 / 1900MHz or CDMA 1x: Cellular, KPSC WLAN (Option): IEEE 802.11b/g, Ethernet (Option), PSTN (Option): 56,000bps
Interface	Serial × 2, USB Host × 1, Client × 1 SAM Slot × 3, SIM Slot × 1
CONTACT IC CARD READER	ISO7816, EMV2000 Level 1, 2 certified
MAGNETIC STRIPE READER	ISO7810, Track 1/2/3, JIS Option
Printer	2" Thermal Printer, 50Pie
Input	Keypad: 10 Numeric Buttons, 12Function Buttons, 1Power Switch Touch screen
LED	Power Charger (left) : 1EA, Communication (right): 1EA
AUDIO	Speaker (Mono)
POWER	External Power Adapter, 9V 3A 1380mAH Battery (Optional)
OPERATING TEMPERATURE	−20℃ to 55 ℃
HUMIDITY	5% to 90% relative humidity
DIMENSION (W × H × D)	131mm × 62.2mm × 250.7mm

I. We know goods and put.

-The communication specification.

Divisioon	Specification
CDMA	An utility Frequency : transmission (824.2MHz~848.8MHz) An aerial electricity : 200mW (-20%~50%) Modulation method : G7W Module to take the certification (WLM805SB)
GSM	Quad Band(850/900/1800/1900 MHz) GSM 850 (Transmission : 824.20~848.80MHz, Receiving : 869.20~893.80MHz) GSM 900 (Transmission : 880.20~914.80MHz, Receiving : 925.20~959.80MHz) DCS 1800 (Transmission : 1720.20~1784.80MHz, Receiving : 1805.20~1879.80MHz) PCS 1900 (Transmission : 1850.20~1909.80MHz, Receiving : 1930.20~1989.80MHz) GPRS Multislot Class 10, Class B Transmission output (Max) – GSM850/GSM900 (2W) DCS / PCS (1W) Modulation method : 0.3GMSK
WLAN	An utility Frequency : 2,412MHz~2.472MHz Number of channels : 13ea An aerial electricity : 25mW less Modulation method : G1D, D2D

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Ⅱ. The basis we learn.

- **Using the Stylus**

The provided Stylus pen may be used to directly process a program and input information on the touch screen.

Pressing
This means using the Stylus pen by pressing it one time to open, close, or cancel something.
(This is equivalent to pushing the right button of the mouse when using the computer.)

Dragging
Upon choosing an item, you can select the area of the item from the list by using the Stylus pen.
(This is equivalent to mouse drag when using the computer)

Pressing for a While/Few Seconds
If you want to see extra functions of the chosen item(s), push the Stylus pen for a few seconds to see the pop-up
menu screen. (This is equivalent to clicking the right button on the mouse when using the computer.)

⚠ If the cross mark is not accurately pressed, the same screen may appear repeatedly.
Please use only the Stylus Pen and refrain from using pins or sharp objects.
(Using sharp objects may cause damage to the LCD monitor.)

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1. Q&A

▶ **Troubleshooting**

- **Q : What should I do if the a card terminal gets wet?**
  A : First, remove the adaptor from the a card terminal and lay it out to dry.
    If it does not operate properly after being dried, then the main board or other components may need
    to be exchanged. Please visit your nearest customer service center.

- **Q : The card terminal Power does not come on.**
  A : Check whether the adapter of the PDA and PC has been connected properly
    and wipe the charge terminal if needed.
    If it still does not operate properly, please visit your nearest customer service center for advice.

Ⅲ. Information

2. Safety Information

▶ **Other Instructions**

- Data may be damaged due to careless use of the customer or during the process of repair.
  It is vital that such data is separately kept, as the company will not take any responsibility for
  damages of these accounts.

- Upon malfunctions, do not reconstruct or dismantle the product. Immediately send these
  components to the Customer Service Center.
- Please turn off the power in explosive areas (in planes or hospitals) as there may be danger due
  to electronic wave problems.

- Please stop using the Card terminal and consult a medical expert in case of any allergic reactions
  to the product.

- Please do not dye or paint any part of the Card terminal. This may damage the product.

- High temperatures or high humidity may damage the product.

- The screen may be damaged if sharp objects such as pins, nails or pens are used instead
  of the Stylus Pen.

- Please avoid vibrations or shocks. When not in use, please place in a safe spot after unplugging
  the power cable.

- Place the adapter in a firm position so it will not move. If smoke or an irregular sound comes from
  the Card terminal, immediately turn it off, unplug it, and separate the adapter plug. Also remove
  the adapter plug in case of thunder and lightning.

- There will be no service offered relating to human security, as there may be a possibility of confusion
  in the electric waves of the product.

Ⅲ. Information

3. Customer Service

[Before Requesting After-Sales Service]

-Please backup all the data in your PDA before
 requesting customer service.
-We do not backup products registered at the
 customers service center.
-Therefore, we are not responsible for any damage
 or loss of data.

[Bluebird Soft Customer Service]

- Phone : +82-2-1588-1380
- Fax : +82-2-548-0870
- E-Mail : gcs@bluebird.co.kr
- Address : Customers Service Center
            2nd Floor, 558-8,
            Sinsa-dong Gangnam-gu, Seoul, Korea
< Hours >
Mon.-Fri. : 9 A.M. ~ 6 P.M. (GMT Time: +9 Hours)
We are not open on Saturday,
Sundays and National Holidays.

[Registering for After-Sales Service]

-According to company rules, registering for customer service requires prepaid postal or delivery service, or visitation.
-If you have purchased the product through any store other than Bluebird Soft, you have to be registered as a user in
 order to request customer service.
-In order to be registered as a user, call Bluebird Soft Inc. Call center number: +82-2-1588-1380.
-When you register for customer service, you need to attach the purchase receipt with the product.
-If you also post your name, contact number, address, and the problematic symptoms, the product will go through
 a faster and more efficient examination.
-You can either ask for service from the company you purchased it from, or talk directly to customers service at
 Bluebird Soft Inc.
-Do not intentionally damage the label on the product.
-Customers may have disadvantages if the label is damaged.
-If you have to return the product to Bluebird Soft Inc., you need to put it in a safely packed box.
-We do not warrant you for the damages incurred during transportation. Please use the original box of the product
 and bubble wrap it.
-Transport the product safely. Bluebird Soft Inc. is not responsible for any components lost during the transportation.

4. **Authenticated of Facts**

-Name of Authenticator : Bluebird Soft Inc.

-Name of Product : Wireless product for the wireless data communication system

-Name of Model : BIP-100

-Date of Production : 2008. .

-Manufacturer/Country : Bluebird Soft Inc./ Republic of Korea

-Authenticator Identification : BBS