BIP-5000

BluebirdSoft Inc.
558-5, Sinsa-Dong, Kangnam-Gu, Seoul, Korea
Tel: +82 1588 1363 Fax: +82 2 548 0870 A/S Center: +82 1588 1380
Website: www.bluebird.co.kr

-Before starting, ensure that you read and follow the "Safety Warnings and Precautions" section of this manual.

Bluebird

Safety Warnings and Precautions

: Please follow the instructions to properly use the product and avoid accidents in advance.

1. Exercise precautions when using the battery
   - If the batteries are damaged, severely shocked, heated, exposed to moisture or high temperatures, or bored by a gimlet, it may explode.
   - Keep batteries away from children and pets.
2. Do not use PDA phone in explosion areas.
3. Do not use PDA phone on an aircraft or inside a hospital.
4. Avoid using PDA phone or checking phone numbers while driving. Use hands free kit in unavoidable conditions or use it after stopping the car
5. Product may deform or malfunction if exposed to direct sunlight
6. Prevent conductive objects such as necklaces and coins from making contact with the battery plug. Do not shock battery with sharp objects or animals. Battery may explode.
7. Only use recommended batteries and do not use with other products. Do not use inferior quality battery as doing so may shorten battery and PDA life span and cause explosion. (Warranty is void in this event)
8. Battery must be charged with the adapter or standard charger provided. Usage of unapproved adapter may shorten battery life or cause explosion. (Warranty is void in this event)
9. If the PDA gets wet, never insert or place the terminal, battery, or charger into or near heating devices, such as heaters or microwave ovens . This may cause production deformation, explosion or fire. (The label's color inside the PDA or battery will fade if immersed in water.) Please note that free repair service won't be provided in this condition.)

Contents

I. Note

II. Safety and precautions – Warning and cautions

III. Contents

1. Product composition

2. Get to know the product
   1) Left, front, right side of product
   2) Button introduction
   3) Specifications

3. Getting started
   1) Connecting and disconnecting the battery
   2) Charging battery
   3) Using PDA

4. Start connecting network
   1) Scan
   2) ear jack (Converter)
   3) Reset PDA
   4) Host PC connecting
   5) IrDA 사용 Using IrDA
   6) Bluetooth
   7) Using memory card

5. ActiveSync
   1) Installing ActiveSync
   2) Precaution for using ActiveSync

6. Using PDA phone functions

7. Using Wireless LAN features

8. Precautions

9. Appendix
   1) Q&A
   2) Accessories

Product Composition

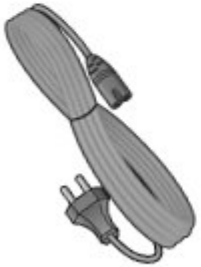
The following illustrations may differ from actual products. Please contact our customer center to purchase additional or optional products.

[BIP-5000 PDA 1 unit]

[BIP-5000 Cradle 1 unit]

[Battery (standard)]

[Stylus]



[Power cable]

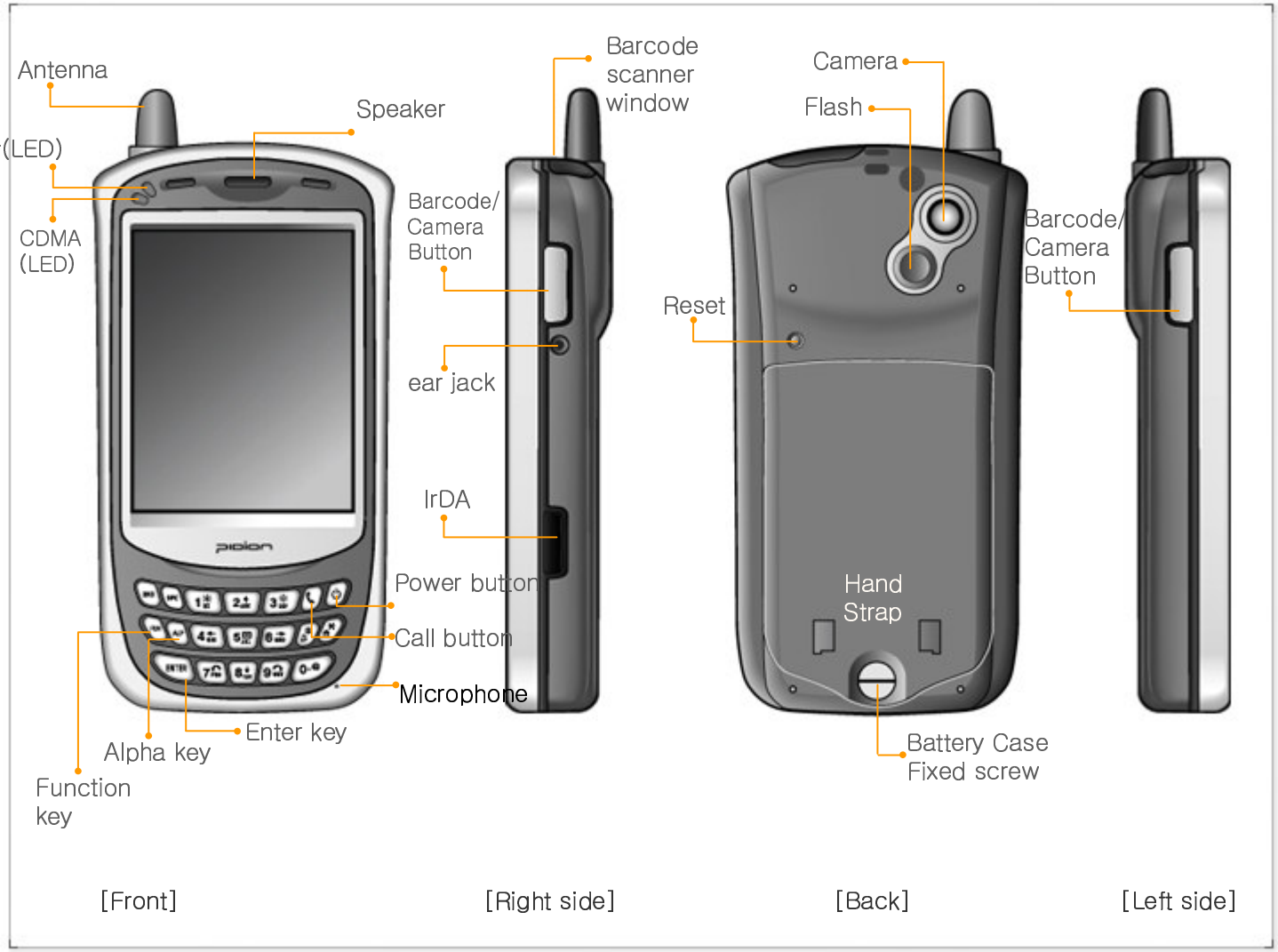
[Adapter]

[USB cable]

[User manual]

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Front, left side, back, right side



Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Button introduction

	Use it to turn on/turn off the PDA
	Laser(1D,2D) Barcode / Camera Type : Press left button to use barcode scanner Press right button to use camera CMOS Barcode Type : Use right and left button to activate barcode.
	Execute after user input
	Change character input mode. Default mode is numeric. Press once for lower case English, press twice for capital English, press three times for special characters.
	Execute program and make phone connection. Press once to execute phone program, press twice to view recent calls, press three times to call the selected number.
	Delete a character by moving the cursor one space to the left.
	Move one space to the right.
	Press 3 seconds to enable/disable silent mode
	Press 3 seconds to lock the PDA. Password must be inserted to use the PDA.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Specifications

Contents	Description
CPU	Intel PXA270 520MHz
OS	Win CE 5.0
DISPLAY	3.5", 240 x 320 / 260,000 color
INTERFACE	1 x USB 1.1 Client 1 x RS-232C Mini-SD slot IrDA 1.2 (Option: Bluetooth class)
CAMERA	2.0M pixel camera
BATTERY	2000mAH
SIZE	75(width) x 150.3(length) x 24.9thickness) mm
WEIGHT	280 g
ADAPTER	5V 2.4A

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Specification

* FCC Compliance Statement:
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two
conditions: (1) This device may not cause harmful interference,
and (2) this device must accept any interference received, including
interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly
approved by the manufacturer responsible for compliance
could void the user's authority to operate the equipment.

Important Note: To comply with FCC RF exposure compliance
requirements, the antenna used for this transmitter must be
installed to provide a separation distance of at least 20cm from al
persons and must not be co-located or operating in conjunction
with any other antenna or transmitter.

European Union Notice
This system has been tested for conformance with CE radio spectral,
EMC and safety requirements.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Connecting and disconnecting the battery

[Connecting the battery]

•Sit the battery to the groove,
Put the cover and swivel the screw

[Disconnecting the battery]

•Swivel the screw in arrow direction until detached, take off battery

* Battery must be taken off after turning off the PDA. Sudden power break may cause the PDA malfunction.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Charging the battery

[While connecting the adapter to the table charging cradle]

*Connect the adapter with table charging cradle as showed

[While connecting the adapter to PDA directly]

* Connect the converter attached jack with PDA

•Note: Using the provided/approved adapter is the most safely and effective way to use PDA.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Battery charging method

[Battery charging and working time]

Working time	Standard (2000mhA)
Talk time	4 hours
Standby time	12 hours (LCD on, backlight off), 200hours (LCD off)

Charging Time	Standard (2000mhA)
Time	Less than 4 hours (main battery), less than 72 hours (backup battery)

*Modem power turns off automatically to prevent the battery power damage. Use is after recharging.

*The battery talk time and standby time can be different from the specification in various conditions.

[Battery Charging condition]

	Charging	Fully charged
Charging Lamp	Red	Green

* It is fully charged when table charging cradle and PDA's charging lamp turn to green, there is no harm if keep charging the PDA.

*The Charging time is subject to change of charging condition, please purchase the new one when it's working time is shortened by 50%.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Getting started

[Turn the PDA]

- Power Button

* Press power button to turn on the PDA
* Depress power button for 2 seconds in the condition of PDA is turned on, the Front light will be turned on or turned off.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Getting started

Using Stylus (using method of stylus, dragging, pressing method)
* Using stylus to select, execute and move the items in the screen.

Get stylus from PDA

Tapping Stylus
: Tap the icon in the screen for once by using stylus to select or execute the item, like clicking the mouse left button.

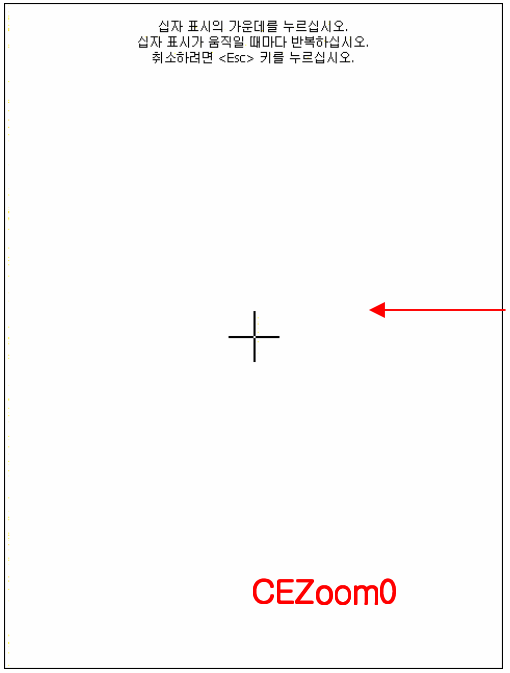
Dragging Stylus
: Using dragging stylus to select several items, characters and images, like dragging the mouse.

Tapping and Holding Stylus
: In order to view selected item's function, taping and holding the stylus in the screen and it shows the pop manual, like using mouse to select the item and click the right button.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Start to use PDA

[Calibration]
*Using stylus to select, execute, move the item in screen.



Press the stylus to the targeted center target accurately, and doing the Same when the target move to up left, down left, down right, Up right. (This is to settle the input value of stylus in LCD screen)

•Press center, up left, down left, down right accurately.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Start to use PDA

[Initialization the screen of Win CE]

*The following figure is shown after the initialization wizard finished.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Start to use PDA

- To use the Function keypad
- The following functions will be executed after pressing the function key and button.

Contents	Description
Function + 1	LCD getting darker
Function + 2	Moving one space up
Function + 3	LCD getting brighter
Function + 4	Moving one space to the left
Function + 5	Execute the sign input
Function + 6	Moving one space to the right
Function + 7	Page Down
Function + 8	Moving one space down
Function + 9	Page Up
Function + 0	Run the sign character
Function +	Run user defined program
Function +	Run user defined program
Function +	Run user defined program

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

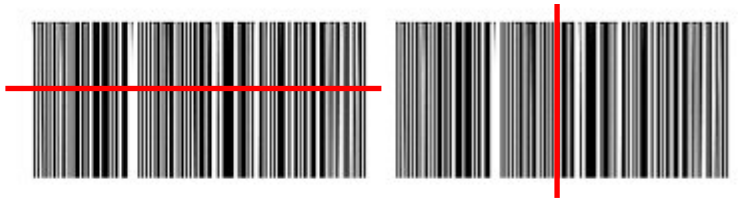
1. Scan

[Using laser Scanner]

[correct]

[incorrect]

[Using CMOS Scanner]



[correct]

-Barcode can be read in every direction

* Face the PDA the barcode as shown and press left/right button to use.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Scan

[Basic test method of laser barcode]

1) Run notepad

2) Create new notepad file

3) Face the scanner to the barcode and press barcode button.

4) The captured barcode value is shown in the new notepad.

•Please consult the program's manufacture for using the special barcode program.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Scan

[Basic CMOS barcode test method]

1) Run notepad

2) Create the new notepad file

3) Face the scanner to the barcode and press barcode button.

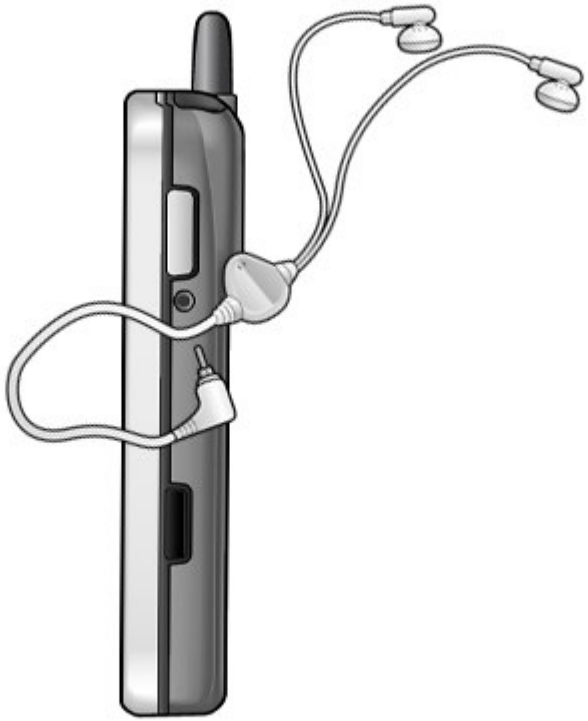
4) The read barcode value is shown in the new notepad.

•Please consult the program's manufacture for using the special barcode program.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Using method of ear jack

[Using ear jack]



•Take off the ear jack cover and plug it straight into the PDA as shown.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Reset PDA

[Reset]

• Press reset softly by using stylus

* Soft reset can be used to restart the PDA when there is error occurred and PDA stopped working. Same as computer reset, all the unsaved data will be lost.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

3. Reset the PDA

[Hard reset]

•Perform the hard reset using Stylus and buttons

•Hard reset is used when the soft reset doesn't work. The PDA will turn to the original condition after being hard reset.

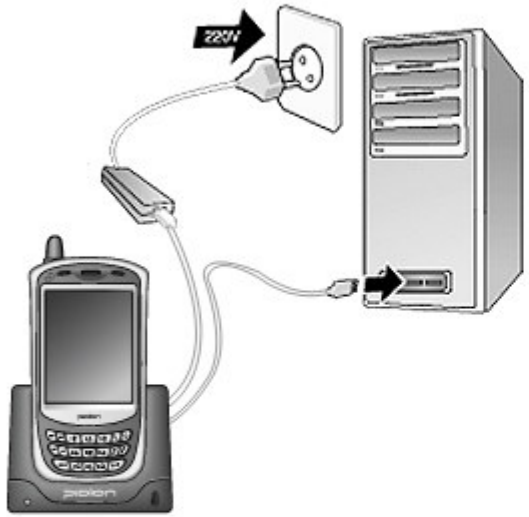
All the installed program in RAM, documents, settings will be lost after doing hard reset.

•Please backup the data and program before doing hard reset, we will not be responsible for any data and data/program lost.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

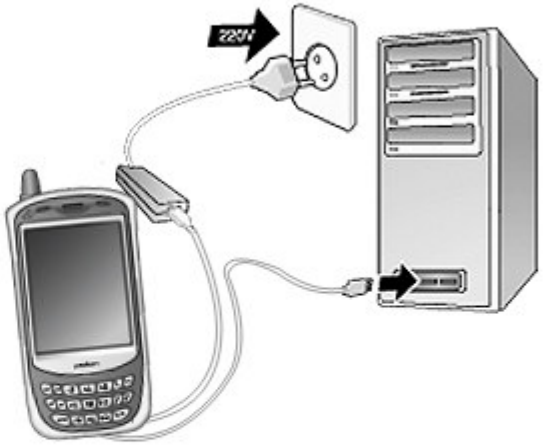
3. Host PC connection method

[Connect the cradle]



*Connect the PDA (cradle) -cable-computer as shown

[Connect to PDA directly]



* Connect PDA-cable-computer as shown

•ActiveSync can be used after connecting the PC or notebook to copy the files or install the new program by synchronizing the PDA with PC.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

4. IrDA using method

[IrDA using method]

•Matching the IrDA port as shown (transmission speed is fastest when the distance at shortest)

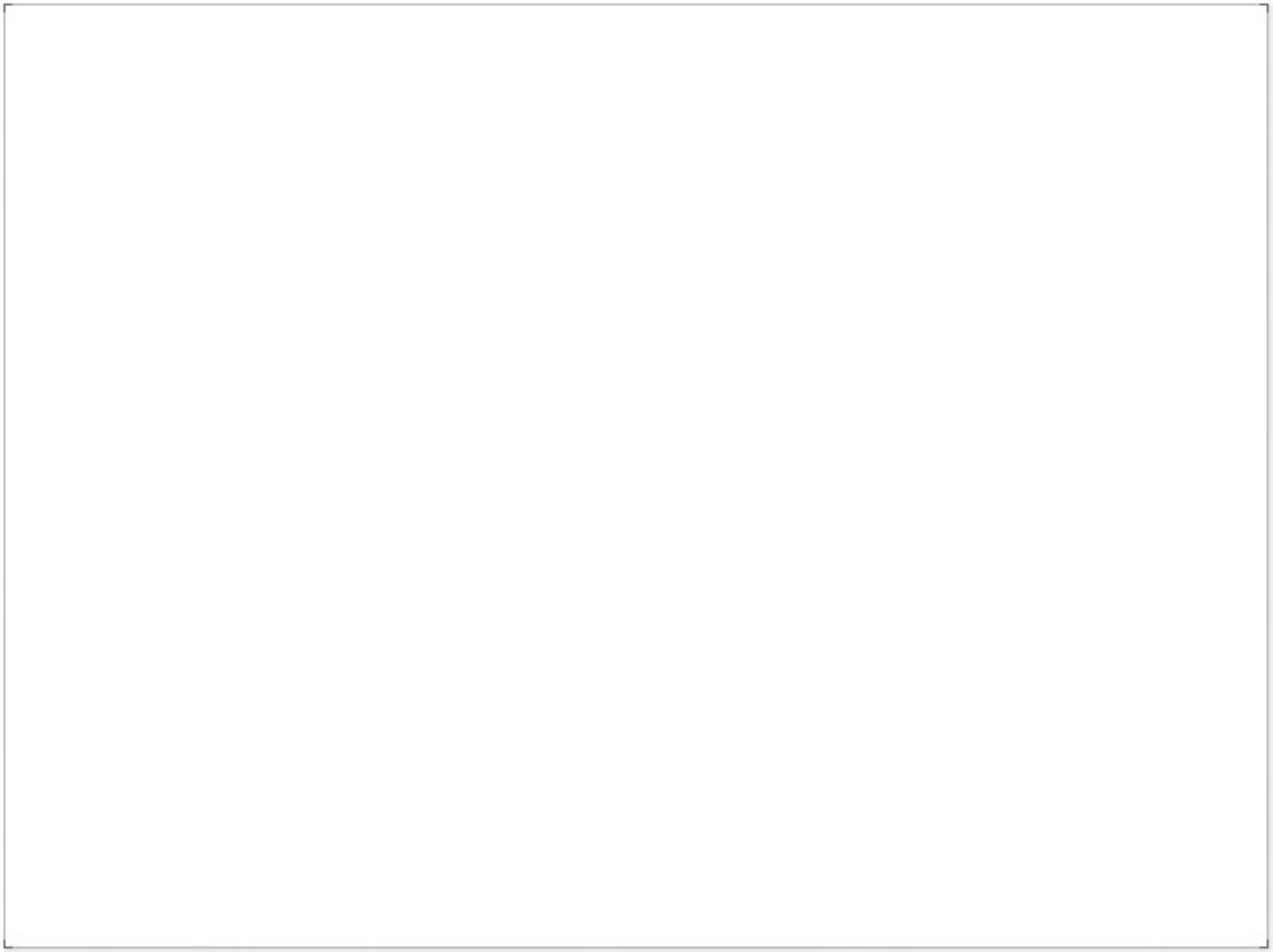
[Executing screen]

Sample)

1. Start->Setting
2. Select WL transmission after pressing “connect” tab.
3. Click “OK” after check “receiving all the incoming WL”
4. Searching for the opposite IrDA port
5. Press “OK” after sending the data

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

5. Bluetooth using method



Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

6. Memory card using method

[Insert Mini SD card]

* Push the memory card into the slot as shown until it's plugged.

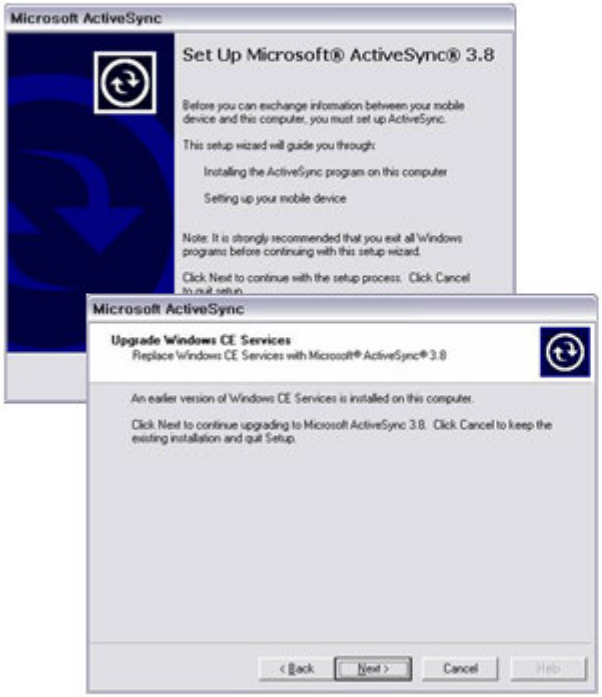
[Take out Mini SD card]

* Press the memory card down deeply as shown and it will bounce out and get detached.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Install ActiveSync

1) Download the installation file (msasync.exe) for ActiveSync 3.7 from http://www.microsoft.com to your PC, and run the msasync.exe file.
2) When the following window appears, click “Next”.



3) When the above window appears, select a destination folder and click “Next”.
4) After all files are copied, the connection setting window appears if the terminal is as yet unconnected. When the terminal is connected, the installation process moves on to the next step. (If you have already connected the terminal, this step is skipped).

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Install ActiveSync

5) Connecting BIP-3010 to Desktop

- Turn the power on and connect the USB cable to the desktop.
- Place BIP-3010 on the USB cradle.

a. When you first connect BIP-3010 to PC, the New Hardware Search Wizard of the PC is activated. If you have already installed Microsoft ActiveSync Version 3.7, you do not need to install an additional driver program.

b. Depending on your PC environment, the Wizard may ask you to restart your PC as shown below. In this case, restart your PC.

c. During first installation, the terminal may not be able to connect to the PC. In this case, the Communication Error dialog box appears on the terminal. Click “OK” in this dialog box and retry connection.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Install ActiveSync

6) When connection is made, the following window appears. Select Yes and click “Next.” If you are making a temporary connection to the desktop, select “No.”

7) When you select “Yes,” the following window appears.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Install ActiveSync

8) To synchronize the terminal with two desktops, select “Yes” and click “Next.” To connect to one desktop, select “No.” The following window appears.

9) Select programs to synchronize and click “Next.” The following window appears.
10) By clicking “Finish,” installation is completed.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Precautions for using ActiveSync

1) Before getting started

a. Uninstall the ActiveSync program installed on your PC
b. Reinstall ActiveSync 3.7. When the “Get Connected” dialog box appears during installation, click “Cancel”.
c. When installation is complete, select “File”->”Connection Settings” from the ActiveSync Menu. When a dialog box appears, check “Allow USB connection with this desktop computer”, and ensure that the message “Status:USB is available” appears at the bottom of the window. If the “Get Connected” dialog box appears, it means that the old USB driver that causes malfunction still exists in the PC. In this case , remove the device in error. Select **“Control Panel”->”System Tool”->”Device Management”** on your desktop, and remove the device in error listed under “Windows CE USB Devices”.

2) When the message”Unknown Device” appears after the PC detects a USB device:

a. This message may appear when you turn on the PDA while it is sitting on the cradle.
b. Remove the PDA from the cradle and reconnect it. ActiveSync should work properly.

3) When the message “Connecting...” appears in ActiveSync for a long time without any change:

a. Remove the PDA from the cradle to disconnect it.
b. From the ActiveSync Menu, select “File”->”Connection Settings”. When a dialog box appears, uncheck the checkbox “Allow USB connection with this desktop computer” and click “OK”.
c. Select “Connection Settings” again. When the dialog box appears, check the checkbox for “Allow USB connection with this desktop computer” and click [OK].
d. Connect the PDA to the cradle. ActiveSync should work properly.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Precaution for using ActiveSync

4) In the event that repeated connection trials fail, and the icon for "Unknown hardware device" keeps appearing in your PC tray"

a. The USB host in the PC falls into an abnormal state and connection fails repeatedly.
b. In this situation, remove the terminal from the cradle, reboot the PC, and reconnect it to the cradle.

5) When the terminal does not work after disconnection and reconnection of the power supply to the main battery:

In order to prevent this problem, depress the **Power** button of the terminal, or depress **Shut Down from the Start menu** with the stylus pen for Windows CE to undergo the process of "**system shut down**" before disconnecting the main battery.

When you inadvertently disconnect power supply to the battery and the terminal does not work properly, **depress and hold the "#" and "Enter" button, depress the reset switch at the back of the terminal, and release it.**

Note that this will remove all data in the memory – only the data in file storage will be preserved.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

Using call program

1) Dial number

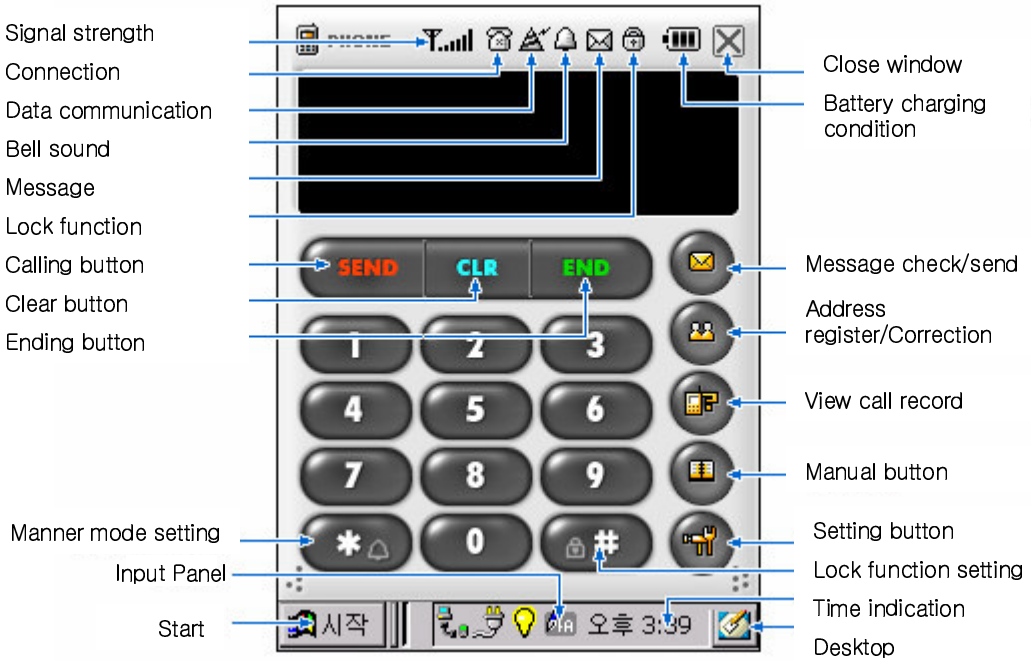
a. Dial a phone number or a speed dial number
b. Number can be cleared by using [CLR] button
c. Press [SEND] button to make a call
   - Redail function: Without inputting numbers, press the [SEND] button to redail the lasted call number
d. Communication is available after the call being connected
   - Redail option and times can be set in SETTING-OPTION automatically when the connection failed.
   - Call time is shown on the screen
e. Press [END] button to end the call

2) Receive the call

a. An incoming call message is shown when the bell rings.
b. Press any key to receive the call.
c. Press [END] to finish the call .
* Keep pressing [END] button can turn on/off the phone modem.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

Phone program screen



Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

Using Wireless LAN Features

1) The “WLAGS4681” menu window appears.
cf) If the “WLAGS4681” menu window does not appear, double click “ ”in the tool bar.

2) Click “Wireless Information”, select the corresponding AP, and select “Connect”.
cf) If the AP information does not exist, enter it manually.

2-1) Double click “Add” in the AP list window.

2-2) When the wireless network properties window appears, enter the corresponding AP in **“Network Name (SSID)”.** Check the corresponding settings for the AP.

2-3) Depress “OK”.

3) The window in (2) above appears again, and the AP name appears.

4) Depress “OK”.

4-1) Depress “Connect” on the window.

Cautions

1. Use only the approved accessories and components provided by BluebirdSoft Inc. to insure user safety.
2. Do not turn on the PDA while it's wet, and don't touch the adapter or power cord with wet hands. This may cause electric shock.
3. Never reconstruct, disassemble, or repair the product arbitrarily. Always contact a service center authorized by BluebirdSoft Inc. Ensure that you adhere to the safety warnings and precautions. If these principles are not adhered to, free repair service will not be offered.
4. Backup PDA phone's data so that they won't be lost while the PDA being repaired or upgraded. (Ringtone, SMS/voice message will be initialized)
5. Do not use the PDA in the place with high humidity and temperature. High temperature and humidity (Operation temperature: 4' to 122' F/ -20' ~ 50'C; humidity: 5% to 90% relative humidity) may cause PDA malfunction. Warranty will null and avoid in this event.
6. Do not put the PDA phone near any credit card, phone card, account book, ticket to avoid magnetic interference. It will cause PDA phone's data lost.
7. Avoid the shock and vibration, unplug the power cord if not use PDA phone and keep it in the safe place.
8. Do not keep it in the dusty place, and do not put the power cord close to the heated devices. Unplug the power cord when cleaning, make sure to rub off the dusts around the power plug pin.
9. Fully charge the battery and keep it in the room temperature if it's not going to be used for long time. Even so, battery's useful time can be shorten due to the low voltage.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

Cautions

10. Don't paint on PDA, screen and case could be damaged and it can cause defectiveness.
Touch exposured area of PDA resin may cause allergy symptom, please stop using PDA phone and take the advice from a doctor

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

1. Q&A

Q. What should I do if the PDA is dropped into water?
A. Firstly detach the battery from PDA and dry them. If PDA doesn't work properly after being dried, contact A/S center for repairing main board and other components.

Q. Can't turn on the PDA.
A. Program can be damaged. Reset the PDA, and if it doesn't work properly after that, contact A/S center for repair.

Q. PDA can't be charged.
A. Make sure that PDA and cradle are properly connected, and check if the lamp is turned on. Clearly clean the charging board and try again. If the PDA still can't be charged after that, then probably the batter's life is ended or it has defect. (The warranty period for battery is 6 months.)

Q. How to claim for A/S (after service)?
A. Fill in the RMA form and send the units to A/S center after being accepted. Repair cost should be paid according to distributor agreement.

Q. How to check if the PDA is repaired and being returned?
A. An email includes the courier track number and device's S/N will be sent right after the delivery. Detailed delivery information can be checked by visiting the courier website.

Q. What should I do if the battery drains out very fast?
A. It can be happened while using the peripherals like barcode scanner and printer. If the battery's useful time keeps shortening, then it's life is ended. Please purchase the new one for replace.

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.

2. Accessories

[Portable Adapter]

Preparing the image

[Vehicle Adapter]

Preparing the image

[Ear-jack]

Preparing the image

[Stylus]

Preparing the image

[Leather case]

Preparing the image

Copyright © 2005 Bluebird Soft, Inc. All Rights Reserved.