

# BIP-5000 (Black) User Manual



- Please read the following warnings before using the product.
- Shapes and colors of the images shown in this manual may differ from the actual products.
- Contents of the manual may differ based on the software version of products or conditions of the wireless provider.



This manual is protected by Copyright Laws and has been produced by Bluebird Soft Inc.

(Please note that there may be editorial mistakes or possible omission of information.)

Programs embedded in the products are legally protected. Unauthorized copying, transferring, or deletion is strictly prohibited by law.

There may be a few operational problems caused by the application environment, application program, or other surrounding machinery. This product generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. Service related to human security is not provided as there may be a possibility of confusion in the electric waves of the product.

#### **Registered Trademark**



PIDION is a Leading Brand in the mobile industry. Bluebird Soft Inc. is a trusted global company which represents high technology and is currently registered worldwide with its PIDION trademark legally protected by law.

### **User Manual**

Model	Users Manual	
A-Class Machinery (Information Communication Device for Business)	This machinery has been registered for electromagnetic emission sufficiency so the attention of both the sellers and users are required. If an inappropriate product is sold or bought, exchange it with a product for domestic use.	
Registered Form	This wireless product might cause radio jamming or there may be a possibility of confusion in the electric waves of the product. Service related to human security cannot be provided under these circumstances so it is up to the user to take precautions.	

**※** Please read "Cautions and Instructions" before using the product.



### **Cautions and Instructions**

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

This PDA device has passed the standard for the emission of electromagnetic waves. However, for the users health and safety please only use the authentic products provided by Bluebird Soft Inc. Otherwise your safety cannot be guaranteed.

#### 1. Precautions for Storing and Charging the Battery

- If the product or battery has been submerged under water, do not attempt to dry it by heater or microwave.

  (In case of water damage, if the label inside the PDA changes color, you will not be able to receive free customer service for repair, so please be careful.)
- Ensure that necklaces, coins, etc. does not contact the battery's connection terminal (the metal plate part).
- If you do not use the battery for a certain period of time, you must charge it first, and then store it in room temperature. This will ensure that the battery's capacity and durability are unaffected.
- Even when the battery is fully charged, usage time for a charge may shorten due to lowered voltage generated from the usage of the product.
- Use only original or authentic batteries and adaptors, and do not use them for applications other than those of the PDA.
- (If you do otherwise there is a risk of explosion, or possibilities for shorter durability of the PDA, battery, and adaptor.)
- Plug in the adaptor firmly so it does not jiggle. If symptoms such as smoke, odor, or noise occurs, immediately turn the product off and detach the adaptor from the outlet. Also in cases of thunder or lightening, please detach the adaptor from the outlet as well.

#### 2. Precautions for the Phone and Product

- Make sure you are aware of all information related to the products electromagnetic waves.
- This product transmits and receives high-frequency energy (RF energy) while it is on. The Department of Information and Communication has legislated and is enforcing the safety standards of these effects on the human body. This product meets all the standards.
- (If you do not use the authentic product, we cannot guarantee the user's safety related to electromagnetic transmission.)
- Please turn off the product in places where the use of it is prohibited (e.g.- airplanes, hospitals, etc.) or when you are in dangerous areas which may be associated to electric waves.
- Do not put items using magnets such as credit cards, bankbooks, or transportation cards near the PDA. The magnetic waves from the PDA may damage the data saved in the PDA.
- Record or store data from the PDA by making a backup copy. There may be cases where important data is deleted when repairing damage or upgrading the PDA, so please backup your important data in advance.
- If the PDA has a RF Card reader we recommend that you do not use CDMA/GSM communications at the same time.
- If you use RF Card Reader and CDMA/GSM communication at the same time, calls may be cut off, incoming calls may not be received, or data connections might became slow or completely cease. If you do not use it together, no problems with the connections will occur.

#### 3. Other Precautions

- Data might be damaged by carelessness of the user or during reparation of the product. The producers are not responsible for the loss caused by it, so please record or store your important data in advance.
- Do not remodel, disassemble or try to fix the product by yourself. Please contact customers service for reparations or inquiries.
- If you experience an allergic reaction from the product, stop using the PDA immediately and consult your doctor.
- Do not put dye or paint on the PDA. It may cause damage to the appearance or screen, or may cause the product to malfunction.
- Using the product in an environment with high temperature or humidity for a long period of time may cause damage to the product.
- If you use a drill, nail, or pen instead of the product's Stylus Pen, it may cause damage to the LCD screen.
- · Avoid external vibrations or shocks. When not in use and after detaching the power code, store it in a safe place where it cannot be dropped.



### Certification

BIP-5000(Black)

\* The CE certification of the BIP-5000 communication.

Model: BIP-5000 TYPF: PDA

Satisfies all the technical regulations applicable to the product within the scope of Council

Directives 99 /5/EC, 89 /336 /EEC, and 73 /23 /EEC:

Health	EN 50360, EN 62209-1
Safety	EN 60950-1+A11
EMC	EN 301 489-1/-3/-7/-17
Radio	EN 301 511 EN 300 328
	EN 300 440-1/-2

All essential radio test suites have been carried out.

NOTIFIED BODY: EMCCert Dr. Rasek

Address

Boelwiese 5, 9132 0 Ebermannstadt, Germany,

Identification Number: 0678

#### MANUFACTURER or AUTHORISED REPRESENTATIVE:

Address

Bluebird Soft., Inc.

1242, Gaepo-dong, Gangnam-gu, Seoul, Korea This declaration is issued under the sole responsibility of the manufacturer and, if applicable, his authorized representative

POINT OF CONTRACT: Bluebird Soft.Inc Tel:+82 -2-548 -074 0

C€0678⊕



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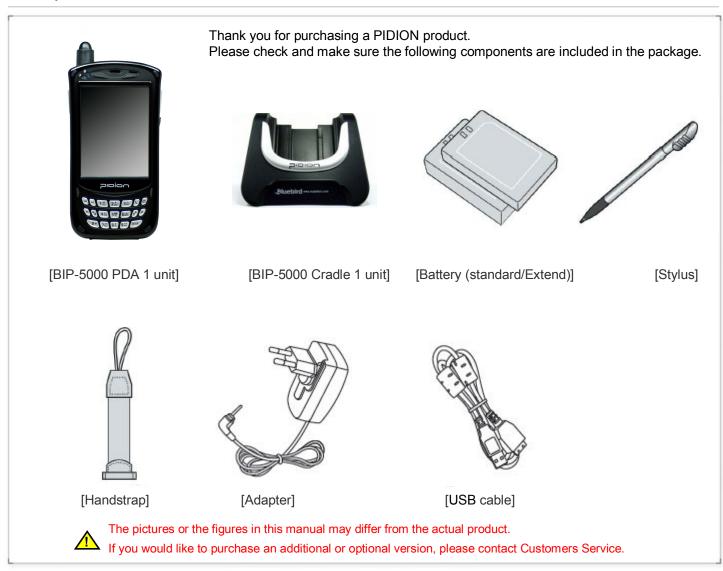
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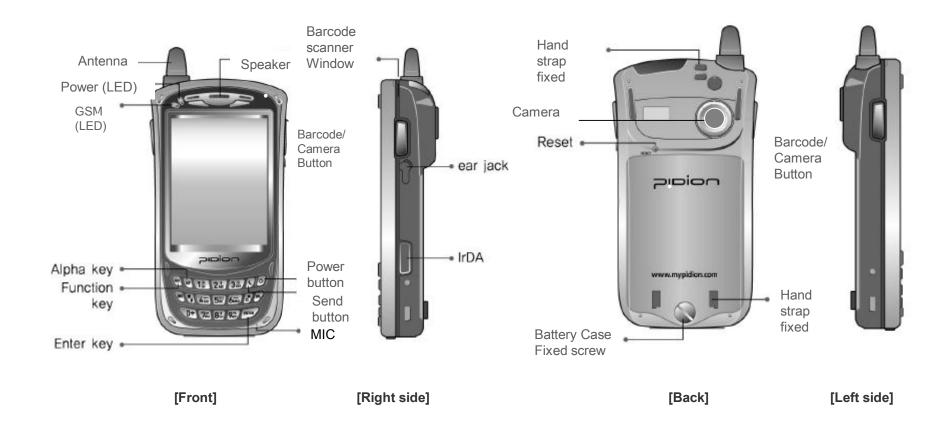


#### 1. Components





#### 2. Basic Terms



Please familiarize yourself with the basic terms of the PDA product.



### 3. Button Description

0	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.
ENTER	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.
O	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.
BKB	Delete a character by moving the cursor one space to the left.
SPC	Move one space to the right.
<b>(*</b>	Press 3 seconds to enable/disable silent mode
<b>(*</b>	Press 3 seconds to lock the PDA. Password must be inserted to use the PDA.



- 4. Function Key Description
- 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 +	Change display.
Function +	Starting menu.



#### 5. Attaching/Detaching the Battery



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



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



- $\ensuremath{\,\divideontimes\,}$  Detach the battery only after you turn off the product.
- \* Abruptly turning off the product may cause damage, and you may lose saved data.



### 6. Charging the Battery

[While connecting the adapter to the table charging cradle]



\* Connect the adapter with table charging cradle as showed.

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



#### 7. About Batteries

#### [Battery charging and working time]

Working time	Standard (2200mhA)
Talk time	6 hours
Standby time	12 hours (LCD on, backlight off), 200hours (LCD off)

Charging Time	Standard (2200mhA)
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%.



### 8. PDA Specification

Contents	Description
GSM	GSM/GPRS/EDGE
CPU	Marvell PXA320 806MHz
OS	Window Mobile 6.1
DISPLAY	3.5", 240 x 320 / 260,000 color
INTERFACE	1 x USB 1.1 Client / Host 1 x RS-232C Mini-SD slot IrDA 1.2 (Option: Bluetooth class )
GPS	Integrated GPS
CAMERA	2.0M pixel camera
BATTERY	Standard battery: 3.7V Li-ion :22000mAH / Extend battery : 3.7V Li-ion 3700 mAH
SIZE	79.5(width) x 150.3(length) x 34.9thickness) mm
WEIGHT	314 g
ADAPTER	5V 3A



#### 1. Turning On/Off



- 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.

#### 2. Using the Stylus Pen



- Stylus Pen is an input device that can be used for selecting, launching, and moving items on the touch screen LCD.
- Pressing the Stylus Pen (Tap): Select or launch an item by touching an icon on the screen with the tip of the Stylus Pen.
- Dragging the Stylus Pen (Drag): Used to select multiple items, select characters or images by dragging.
- Holding the Stylus Pen Down (Tap and Hold): See the functions of the selected item(s) that show up in a popup box when you tap the screen with the Stylus Pen.

\* The product can be damaged if you use a pen, nail, pin, etc. instead of the authentic Stylus Pen.



#### 3. Starting the PDA

#### [Adjusting the Screen]

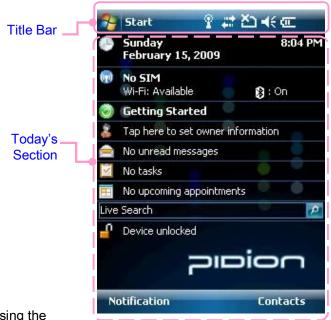
• Optimize the screen input by using the Stylus Pen on the LCD screen.



• When you press the middle of the cross in the center using the Stylus Pen, the target moves. Press it again precisely with the Stylus Pen.

#### [Windows Mobile Starting Screen]

• Once you complete the initial wizard, you will see the starting screen as shown below.





#### 3. Starting the PDA

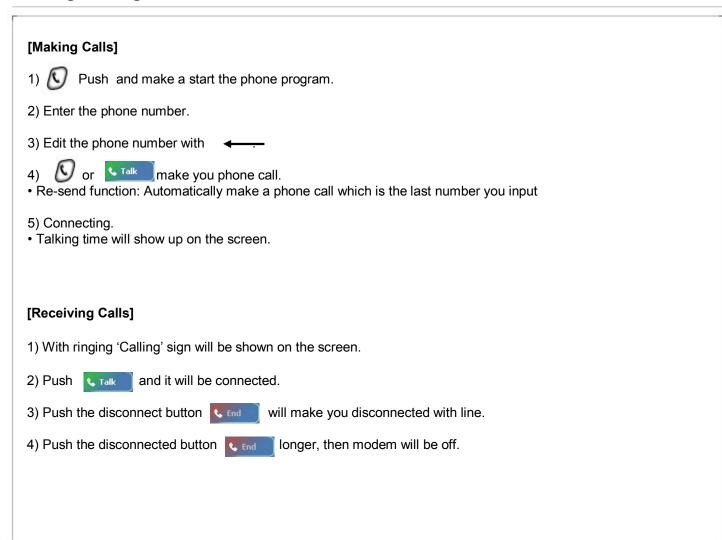
### [Starting Windows Mobile]

• When you press the Start button on the upper left-hand corner of the title bar, the start menu will appear.





4. Making/Receiving Calls





#### 4. Making/Receiving Calls

#### [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
  - Redial function: Without inputting numbers, press the [SEND] button to redial the lasted call number
- d. Communication is available after the call being connected
  - Redial 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.



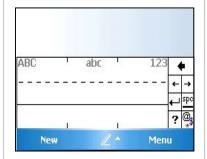
#### 5. Typing

#### [ Keyboard ]



This input method displays an on-screen keyboard that can be used to input characters by tapping the screen using the stylus pen.

#### [Letter Recognizer]



enter texts using your own handwriting.
The screen is divided into three different sections.
A capital letter area, lowercase letter area, and a number area.
Characters are entered by printing letters in each area. The character is then analyzed and typed on the screen automatically.

This option allows you to

#### [Transcriber]

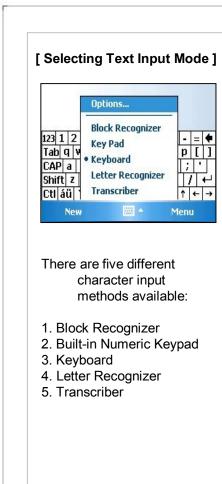


The transcriber option is similar to the letter recognizer. However, instead of entering characters into a designated area, you can enter entire words and sentences using your own handwriting.

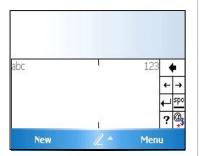
Transcriber supports both printing and cursive writing styles and then automatically types the information on the screen.



#### 5. Typing



#### [ Block Recognizer ]



This input method uses the traditional writing area box split in the middle.

The left side is used to write letters and the right side is for number entries.

Symbols and common functions are located in other smaller boxes located in the right of the writing box area.

#### [ Built-in Numeric Keypad ]



Using Keypad, you can type letters, punctuations, numbers, and other Special characters into the text entry fields or other applications available on your PDA.



### 6. Using SD Memory 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.



#### 7. Software Reset (Initialization)



- · 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.



\* You can reset the software when something unexpected happens to the PDA such as crashing of programs or freezing.

#### 8. Hardware Reset (Memory Format)



- 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.



\* We are not responsible for the loss of data and programs, so we strongly advise that you backup your data when launching Hardware Reset.



### 9. Using SIM Card

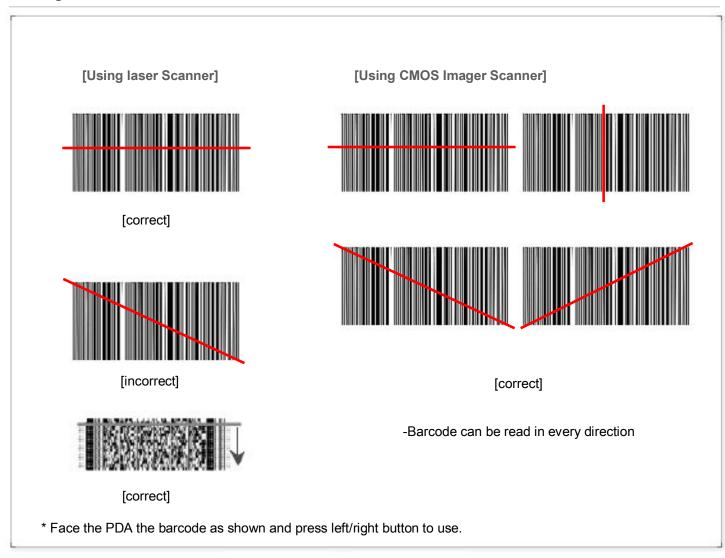
Detach the battery before using the SIM Card. Please insert the SIM card in this slot.



**SIM Card Slot** 



### 1. Using Barcode Reader





1. Using Barcode Reader

[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.



1. Using Barcode Reader [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.



#### 2. Using Camera

#### [Taking Photo]

- Go to [Start]  $\rightarrow$  [Programs]  $\rightarrow$  [CAMERA] program.
- If you use Mapping to use the side button of the PDA as the camera button, the [CAMERA] program will launch when you press the side button.



- If you press the [Barcode] button, the terminal takes the Still/Video and automatically saves the Still/Video in the album.
- Menu

**Video**: Switches into video recording. **Mode**: You can select Normal/Burst/Timer.

**Resolution**:  $480 \times 640/600 \times 800/768 \times 1024/1536 \times 2048$ .

Flash: Select/deselect flash function.

**Full Screen**: The display is extended to the entire screen. **Options...**: You can select Name/Folder/Size of files





#### 2. Using Camera

#### [Viewing album]







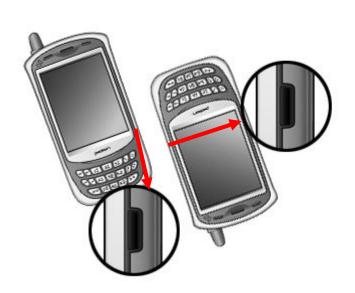
### Start ► Programs ► Camera► Thumbnails

You can extend/reduce the selected Still/Video, or check information on the Still/Video.

By selecting the [Menu] button, you can select Zoom, Play Slide Show, Set as Today Background, Beam picture, Save, Edit, Properties, Options or Send to your space for the selected Still/Video.



#### 3. Using Infrared Port (IrDA)



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

### 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



#### 4. Using Bluetooth

Devices Mode COM Ports

200

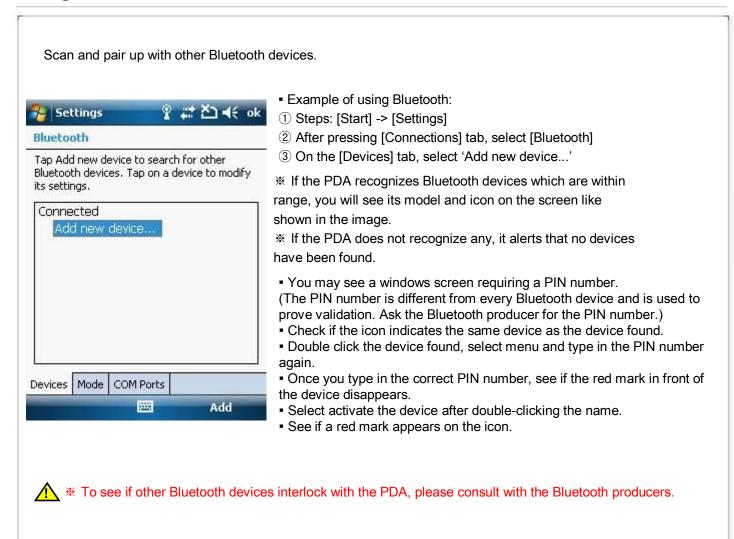
You can launch Bluetooth devices (Bluetooth printer, card reader, etc.) separately from the PDA. Devices and connections of Bluetooth can be setup. • Example of Using Bluetooth: 🔧 Settings ① Steps: [Start] -> [Settings] Bluetooth 2 Press [Connections] tab and select [Bluetooth] 3 Check 'Turn on Bluetooth' from the [Mode] tab, and click ✓ Turn on Bluetooth [OK] Make this device visible to other Turn on Bluetooth To connect to a device, click on the Devices tab below. - By checking or un-checking Bluetooth it will indicate whether it is in use or not. \* Please select OFF when Bluetooth is not in use. You can save the battery by doing so. Setting up so other devices can find your device

5000.

- When Bluetooth is in use, other devices can search BIP-



4. Using Bluetooth





#### 5. Using Wireless Admin

As an overall wireless administration, you can set up Bluetooth and Wi-Fi (Wireless LAN) easily and conveniently. 🔧 Wireless Managei 🦞 🚅 🔼 🤫 🗴 • Example of using Wireless Admin: 1 Step: [Start] -> [Settings] 2 After going to [Connections] tab, select [Wireless Admin] All 3 Select 'Wi-Fi' or 'Bluetooth' button Wi-Fi \* The items Wireless Admin supports can differ due to the network spec of Available the PDA. 0 Bluetooth \* Using the 'Select All' button you can turn on/off all the features On simultaneously, and you can also turn on/off individual features using 'Wi-Fi,' 'Bluetooth,' and 'send' button. Phone On \* When you turn on 'Wi-Fi' or 'Bluetooth,' there will be additional detailed settings shown below the name of the function. You can set it individually Done .... Menu through the menu button at the bottom even after it is turned off.

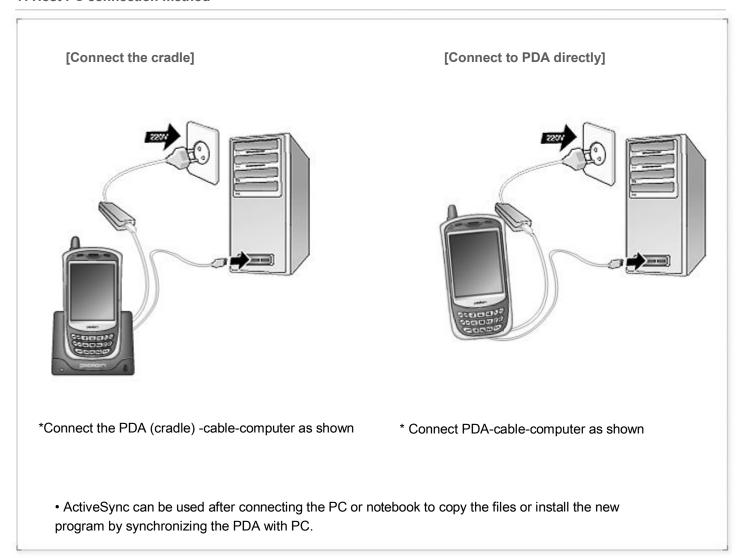


#### 6. Using Wireless LAN Features

- 1) The "WLAGS4681" menu window appears.
  cf) If the "WLAGS4681" menu window does not appear, double click " "in 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.

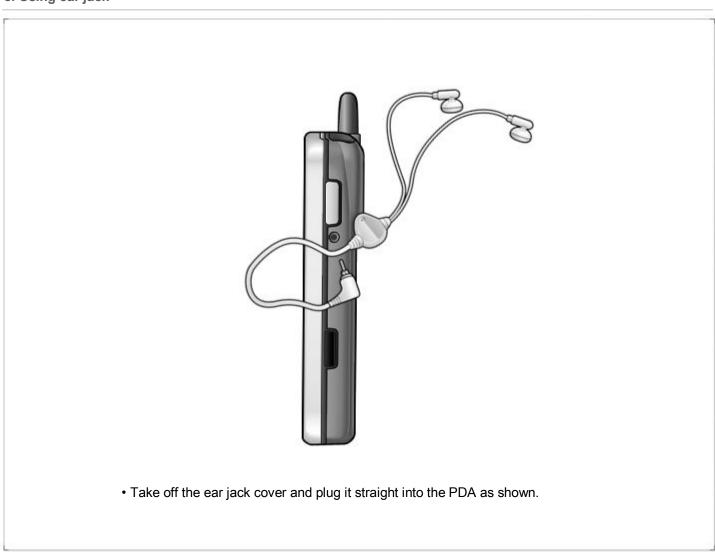


#### 7. Host PC connection method





### 8. Using ear jack





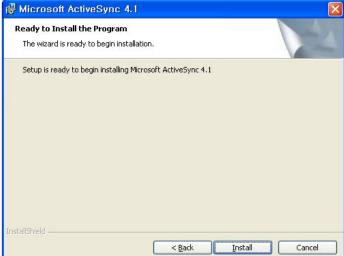
## IV. Connecting ActiveSync

#### 1. Installing ActiveSync

- Download Microsoft ActiveSync Version 4.5 from http://www.microsoft.com/downloads/
- When ActiveSync starts, click Next.

• When the installation screen shows up, click Install.







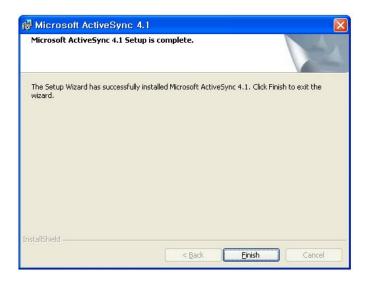
\* The screenshots are for the Korean version of Microsoft ActiveSync 4.1. There may be differences on the screen or differences in the menu functions/features if you use other versions of the product.



## IV. Connecting ActiveSync

#### 1. Installing ActiveSync

- Exit the installation by selecting Done once the installation is finished.
- It might be necessary to restart the PC based on the environment of your PC. If requested please restart your PC.



\* If you connect the PDA to your PC for the first time, the new hardware search wizard will launch on your PC.



- \* You do not have to install any additional drivers if you already have Microsoft ActiveSync installed.
- \* You might experience failure when you connect the PDA and PC for the first time (initial installation failure). If this happens, please exit and start again.



## IV. Connecting ActiveSync

#### 2. Downloading Files

- In order to use ActiveSync, connect your PC or laptop to the PDA with the USB cable.
- Or, you can also attach the PDA on the cradle and connect the cradle to your PC or laptop with the USB cable.
- If the PDA is turned on when connecting with the PC, the PC automatically senses it and launches ActiveSync.
- Open Mobile devices window by clicking Explore button on ActiveSync window.



- Once you connect the PDA to the PC with ActiveSync, you can synchronize features such as Favorites, Contact,
   Schedule, Tasks, E-mail Inbox, etc. You can also copy or paste files, and get help on installing new programs.
- Copy desired files by using Explorer on the PC, and move them into the folder you want in PocketStore.





## V. Setting

Phone

- Phone Tab
- You can select/deselect sound of the terminal.
- Start ➤ Settings ➤ Personal
- Tab ► Phone ► Phone Tab
- Ring type: You can select Ring
- / Increasing ring / Ring once
- / Vibrate / Vibrate and ring /
- Vibrate then ring / None.
- Ring tone: You can select a bell.
- Keypad: You can set the keypad
- tone from Long tones / Short
- tones / Off.





## VI. Appendix

#### 1. Q&A

#### Q. What should I do if the PDA gets wet?

A. You should detach the battery from the PDA, and lay it out to dry. If your PDA does not work even after drying you may need to change the main board or other components, so please contact Customers Service.

#### Q. The PDA will not boot.

A. The program may be damaged. Try resetting and if it still does not work please contact Customers Service.

#### Q. I cannot charge the battery.

A. Check if the PDA and cradle are connected properly and if the lamp is working. Clean the charge terminal, and if the machine still does not charge, either the battery is defective or you need a new battery (Warranty period for batteries is 6 months).

#### Q. How do I request after-sales service?

A. You can send the product directly to Customers Service Center.

#### Q. How can I know that the PDA has been delivered?

A. We will inform you of the invoice number if you contact our Customers Service Center, or you may contact the delivery company as well.



### VI. Appendix

#### 2. Customer Services

#### [Before Requesting Customers Service]

- Please backup all the data in your PDA before requesting customers 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 Customers Service ]

• Phone: +82-2-1588-1380

• FAX: +82-2-548-0870

• E-Mail : gcs@bluebird.co.kr

• Address: Customers Service Center 2<sup>nd</sup> Floor, 558-8,

Shinsa-dong Gangnam-gu Seoul, Korea

< Hours - GMT Time: +9 Hours>

• Mon.-Fri.: 9 A.M. ~ 6 P.M.

•We are not open on Saturday, Sundays and National

Holidays.

#### [Registering for Customers Service]

- According to company rules, registering for customers service requires prepaid postal or delivery service, or visitation.
- If you have purchased the product through any stores other than Bluebird Soft, you have to be registered as a user in order to request customers service.
- In order to be registered as a user, call Bluebird Soft Inc. Call center +82-2-1588-1380.
- When you register for after-sales 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 the customers service center 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.



## VI. Appendix

#### 3. Authenticated Facts

- Name of Authenticator: Bluebird Soft Inc.
- Name of Product: Wireless product for the wireless data communications system (Industrial PDA)
- Model: BIP-5000
- Date of Production: 2009. 06.
- Manufacturer/Country: Bluebird Soft Inc./Republic of Korea
- Authenticator Identification: BBS