PIDION

BIP-6000
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 manuals may differ based on the software version of products or conditions of the wireless provider.

Mobile　Camera　GPS

Registered Trademark

PIDION

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.

Contents

Cautions and Instructions

In order to use the product properly and safely, and to prevent accidents in advance please follow the safety guidelines indicated below.

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.

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.

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.

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.

Knowing the Product

1 Components

Thank you for purchasing a PIDION product. Please check and make sure the following components are included in the package.
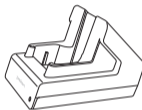
[Cradle]

[Battery(standard)]

[Stylus]

[BIP-6000 PDA]

[Power cable]

[Adapter]

[USB cable]

2 Basic Terms

Barcode scanner window

Stylus

Power Button

Speaker

Power(LED)

GSM (LED)

LCD

Barcode/ Camera Button

Alpha key

Microphone

USB cable connection

Stylus Fixed strap

Flash

Camera

Speaker

RESET

Reset

Battery

Battery Fixed screw

Hand Fixed strap

Ear jack

Barcode/ Camera Button

IrDA

5
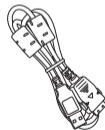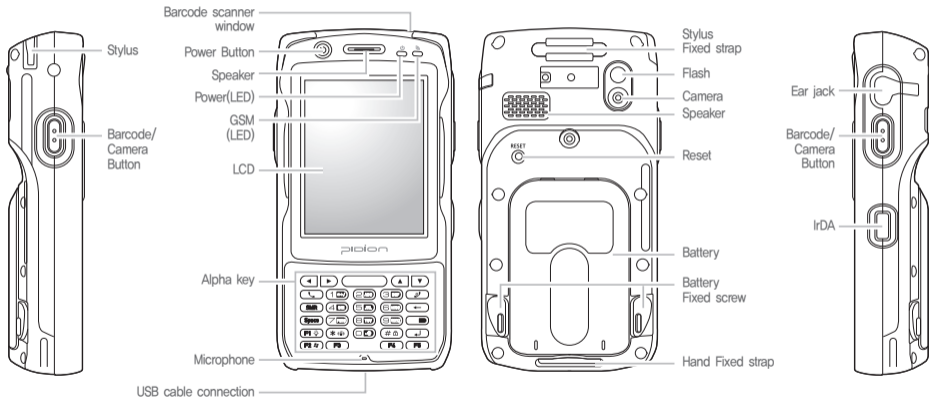
Knowing the Product

3 Button Description

Button	Description
⊙	Use it to turn on/turn off the PDA
(laser/camera button)	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 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.
■	Mode convert The key is to convert numeral letters to lower-case letters or symbols.

Button	Description
Space	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.
1 2 3 4 5 6 7 8 9 0	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.

5 Specification

Contents	Description
CPU	PXA 320, 806MHZ
OS	Windows Mobile 6.1 / Windows CE 6.0
DISPLAY	3.5" QVGA TFT-LCD/3.5" VGA TFT-LCD
INTERFACE	RS-232, USB 1.1 Host & Client
BATTERY	Rechargeable, 3.7V 2200mAh, Li-in
SIZE	80(W) x 160(H) x 35.5(D)mm
WEIGHT	410g
ADAPTER	5V 3A

Contents	Description
WCDMA	Frequency : 826.4 ~ 846.6MHz 1852.4 ~ 1907.6MHz Frequency Accuracy : ±200Hz 이내 Output power : 250mW Modulation type : G7W, D7W
WLAN	Frequency : 2412MHz~2472MHz Channel : 13 Output power : 10mW/MHz Modulation type : GID, D2D
Bluetooth	Frequency : 2402MHz~2480MHz Channel : 79 Output power : 20uW Modulation type : F1D
13.56MHZ RFID	Frequency : 13.5605MHz

Learning the Basics

1 Attaching/Detaching the Battery

Detaching the Battery

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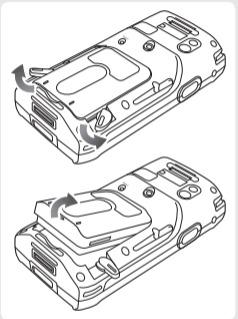
Attaching the Battery

Swivel the screw in arrow direction until detached, take off battery.
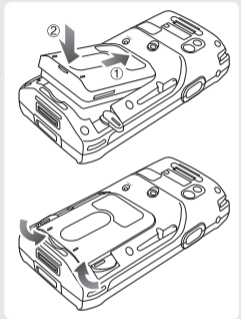
⚠ **CAUTION** Detach the battery only after you turn off the product.
Abruptly turning off the product may cause damage, and you may lose saved data.

2 Using SIM Card

Detach the battery before using the SIM Card.
As seen in the picture below, the slot located in the upper right section (among the 4 slots) is the SIM Card Slot.
Please insert the SIM card in this slot.
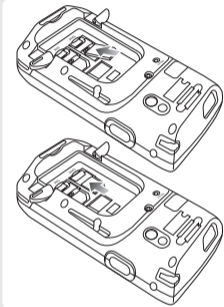
CAUTION

Among the 4 slots only the upper right slot is the SIM Card Slot. The other 3 are SAM Card Slots, so if you insert the SIM Card into the other slots the card will not work properly.

3 Charging the Battery

While connecting the adapter to the table charging cradle
Connect the adapter with table charging cradle as showed.
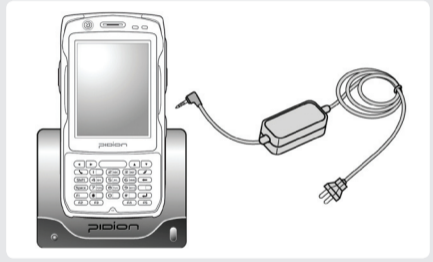
CAUTION

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

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Learning the Basics

4 About Batteries

Battery charging and working time

Working time	Standard
Talk time	8 hours
Standby time	168 hours

※ 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%.

5 Turning On/Off

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.

Power Button

6 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.

Learning the Basics

7 Starting the PDA

Adjusting the Screen

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

align screen

Tap the target firmly and accurately at each location on the screen. The target will continue to move until the screen is aligned.

$+$

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.

Title Bar

Today's Section
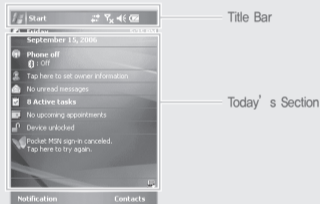
8 Starting the PDA

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

Start Button

Start Menu

Running Programs and Settings
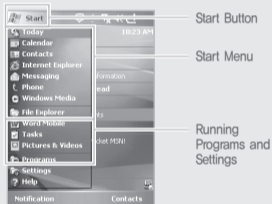
9 Using ear jack

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

13
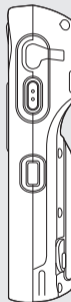
Learning the Basics

⑩ 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.
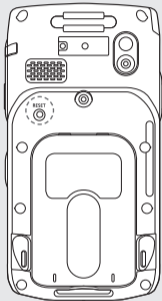
⚠ **CAUTION**

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

⑪ Hardware Reset (Memory Format)

Perform the hard reset using Stylus and buttons.

$$Function + \boxed{6 ▦} + \overset{RESET}{\bigcirc}$$

※ 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.

⚠ **CAUTION**

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

1 Connect the cradle

Connect the PDA (cradle) – cable – computer as shown.

2 Connect to PDA directly

Connect PDA – cable – computer as shown.

CAUTION 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.

Connecting ActiveSync

3 Installing ActiveSync

① Download ActiveSync from http://www.microsoft.com/korea and launch setup.exe.

② When ActiveSync starts, click Next.

③ When the installation screen shows up, click Install.

![New Partnership - Select Synchronization Settings dialog](New Partnership dialog showing synchronization settings)

New Partnership

Select Synchronization Settings
Select the type of information you want to synchronize.

To synchronize a particular type of information, select its check box. To stop synchronization of that information, clear its check box.

Mobile Device	Desktop Computer
☐ AvantGo	AvantGo Channels
☑ Calendar	Microsoft Outlook
☑ Contacts	Microsoft Outlook
☑ Favorites	Internet Explorer
☐ Files	Synchronized Files
☑ Inbox	Microsoft Outlook
☐ Notes	Microsoft Outlook

To find out more about and to customize what gets synchronized, click on that information type in the list and then click Settings.

< 뒤로(B) 다음(N) > 취소 도움말

① Exit the installation by selecting Done once the installation is finished.

② It might be necessary to restart the PC based on the environment of your PC. If requested please restart your PC.

New Partnership

Setup Complete

You are now ready to start exchanging information between your mobile device and this computer.

Upon exiting this wizard, Microsoft ActiveSync will open and:

If your device is a guest, click Explore on the toolbar and start exploring your device.

If your device has a partnership, synchronization starts. Please wait until synchronization is complete before using your device.

Click Finish to exit this wizard.

< 뒤로(B) 마침 취소 도움말

4 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.
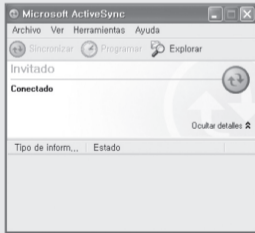
Once you connect the PDA to the PC with ActiveSync, you can synchronize features such as Favorites, Contact, Schedule, Tasks, E-mail Inbox, etc. You can also copy or paste files, and get help on installing new programs.

Copy desired files by using Explorer on the PC, and move them into the folder you want in PocketStore.

Typing
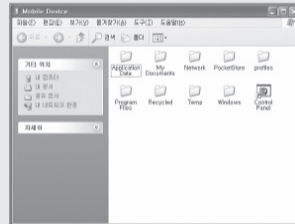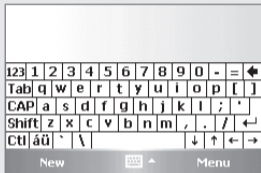
1 Keyboard

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

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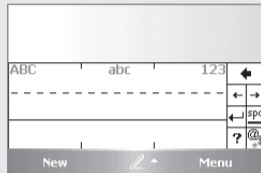
This option allows you to enter texts using your own handwriting.
The screen is divided into three different sections.
A capital letter area, lowercase letter area, and a number area.
Characters are entered by printing letters in each area.
The character is then analyzed and typed on the screen automatically.

3 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.

4 Selecting Text Input Mode
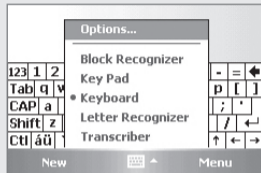
There are five different character input methods available :

1. Block Recognizer
2. Built-in Numeric Keypad
3. Keyboard
4. Letter Recognizer
5. Transcriber

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5 Block Recognizer

6 Built-in Numeric Keypad

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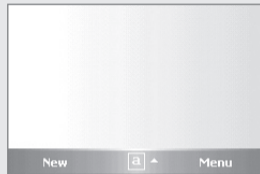
Using Keypad, you can type letters, punctuations, numbers, and other Special characters into the text entry fields or other applications available on your PDA.

1 Barcode Reader
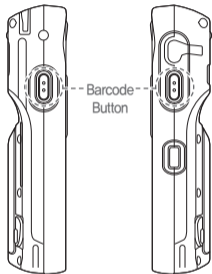
Face the PDA the barcode as shown and press left/right button to use.

Barcode Button

Correct ———— Incorrect

2 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.

Using Camera

1 Launching Camera Program

Go to [Start] ▶ [Programs], and launch [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.

※ Or, you can also launch the Camera program or photo album as described below :
Go to [Start] ▶ [Programs] ▶ [File Explorer]
Select [My Devices] on the top of the explorer and go to [ProgramStore] folder.
Go to [CAMERA] folder and launch [CAMERA] program.

❶ Close Camera Program
❷ Adjust Brightness
❸ Set Resolutions: 320*240 ～ 1600*1200
❹ Special Effects: Normal, Gray, Solaris, Aqua, Negative
❺ Quality: High(H), Medium(M), Low(L)
❻ Add the Flash Icon: Flash On / Off
❼ Photograph
❽ Photo Album

2 Launching the Photo Album

Go to [Start] ▶ [Programs]
Then launch [ImageViewer] program
Or touch the [Viewer] button on the upper left corner of the camera screen.

❶ Close Photo Album
❷ Go to the List of Photos
❸ Zoom In/Out
❹ Delete Picture
❺ Go back to Camera Mode

Using Wireless Admin

As an overall wireless administration, you can set up Bluetooth and Wi-Fi (Wireless LAN) easily and conveniently.

Example of using Wireless Admin :
① [Start] ▶ [Settings]
② After going to [Connections] tab, select [Wireless Admin]
③ Select 'Wi-Fi' or 'Bluetooth' button

※ Using the 'Select All' button you can turn on/off all the features simultaneously, and you can also turn on/off individual features using 'Wi-Fi,' 'Bluetooth,' and 'send' button.

※ 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 through the menu button at the bottom even after it is turned off.

The items Wireless Admin supports can differ due to the network spec of the PDA.

CAUTION

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.

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 2nd 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.

[Regulations on Free/Charging Repairs]

Type of Customer Damage		Contents of Compensation	
		Within the Term of Guarantee	After term of guarantee
When requesting important repairs within 10 days of purchase		Exchange or Repayment	
Requesting important repairs within 1 month since purchase date		Exchange or Repair Free of Charge	
An important repair is needed after 1 month of exchange		Exchange or Repair Free of Charge	
When it is impossible to exchange within 1 month		Repayment	
Possible Repairs	The same problem occurs 3 times	Repair Free of Charge	Charged Repair
	The same problem occurs 4 times	Exchange or Repayment	Charged Repair
	5 problems in all different parts		
Impossible Repairs	When the manufacturer has lost the product in which the customer has requested for a repair	Exchange or Repayment	Exchange after depreciation of the fixed price.
	When it is impossible to repair within 1 month.		
	Impossible to exchange.	Repayment	Exchange after adding 10% to the depreciated price of the fix price (the highest price-purchased price).

• Abiding to the Regulations of Customer Damage Repayment, Terms of Component Possession: 3 years
• Exchange will be made to the same product. If an exchange for the same product is impossible, then it will be exchanged for a similar product. However, there should be a repayment if the customer does not want an exchange for a similar product.
• Repayment amount should be the amount written in the receipt
• If the price on the receipt is higher than the price, than the usual price will be used as a standard, considering that other incidental expenses had been added to the higher price.

Service Center Information

[Charged Service]

1. If it is not a default, it will be charged when requesting for after-sales service.
- Service request due to inappropriate use of the customer
- Loss of a PIN number
- Use of programs that might effect the program (over-clock, forceful changes in the input of the system, personal developments)

2. Default due to a mistake on the part of the customer
- Default due to inappropriate or careless use of the product (dropping, submersion under water, shock, damage, unreasonable operations, etc).
- Default due to a repair or unauthorized technician.
- Default caused intentionally or by carelessness of the customer.
- Default due to the use of fraudulent parts or components.

3. Other cases
- Default due to nature (fire, damage due to sea wind, flood damage, etc.).
- Expendable parts have exhausted there life (batteries, antenna, or other component parts).

4. Regulations of treatment after charged service
- If the same default occurs on the part that had been repaired within a 2 months(60 days) period, it will be provided with free of charge repair service.

There will be no returning of goods or repayment upon the following situation:

- Removal of the sealing of the product if it had been sealed.
- If the product has been damaged due to careless use by the customer or due to a natural disaster (floods, rain, fire, etc.).
- Loss of product or other components (CD, diskette, manual, connecting cables, etc).
- Damage to the product after 10 days of purchase, the product will either be exchanged or provided with after-sales service (note, returning of goods or repayment is not allowed).

Certificate of Guarantee

Thank you for purchasing a product from Bluebird Soft Inc.

- If a circumstance arises where you lose a receipt or the certificate of guarantee, then the term of guarantee will be calculated 3 months (certified by the number of the manufacture, a certificate of inspection) after the date of manufacture.

- In case of accessories (such as batteries), only those that match the sales list managed by the service center will be eligible for customer service.

- A repair or an exchange of batteries that does not match the sales list of the service center due to the carelessness of the customer will be fully charged.

Name of Product		Name of Model	BIP-6000
Date of Purchase		Manufacture Number	
Place of Purchase		Term of Guarantee	1 year from purchase

[Guarantee of the Product]

1. Due to the regulations of the customer damage compensation, Bluebird Soft Inc. (hereafter Bluebird) will guarantee the products as follows.

2. If Bluebird had been notified of the defaults within the term of the guarantee and the extent of guarantee, Bluebird will repair or exchange those products according to the guarantee policies.

3. If Bluebird cannot repair or exchange defaulted products that had been sent within the term of the guarantee, but falls within the coverage of the guarantee policies, Bluebird will compensate for the products.

4. Bluebird does not have any responsibility to repair, exchange, or repay products until the customer returns the defaulted product. The exchanged product will be provided with one that has a quality equal to that of the brand new product.

5. Bluebird will guarantee those products that are from countries in which Bluebird rightfully distributed the guaranteed products.

6. Bluebird products may include parts, composition, accessories, and materials that have the same capability as a brand new product.

7. If it is a software product, guaranteed service will be offered only in cases where the programming commands cannot be launched. Bluebird cannot guarantee that the product will never stop or there will never be an error when using the product.

Bluebird

Bluebird constantly strives to bring utmost satisfaction to all our customers.

FCC Warning

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.

(2)This device must accept any interference received, including interference that may cause
undesired operation.

15.105 Federal Communications Commission (FCC) Requirements, Part 15

This equipment has been tested and found to comply with the limits for a class B 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 or 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.

FCC Warning

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

" For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions that handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines."