CATCHWELL

CATCHWELL
CW20 User Guide

This User guide contains important information to ensure the user's safety and prevent damage to property.
Please read this user guide carefully and use the product accordingly.

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Safety Precautions

Following cautions are to ensure user's safety and to prevent damage to the product. Please read them carefully before use.

Power Supply ⚠

- If any unusual sound, smell or smoke is detected, unplug the electric power cord immediately and contact the customer support center.
- Do not handle the electric power plug with wet hands.
- When thunder or lightening struck outside, do not recharge the battery and unplug the electric power plug of the cradle.
- Do not use the product in an area with much humidity.
- If the product gets wet, turn off the power, remove the battery from the main body and dry it with towel or cloth before re-using it.
- When recharging the battery, please use the cradle if possible.
- After removing an old battery, please replace with a new one within a week.

Installation and storage ⚠

- Do not leave the product inside a vehicle, it might be stolen.
- Keep the product or stylus out of children's reach. Children may get hurt.
- When the product is not used for a long time, place the main body in the cradle for continuous power supply.

While in Use ⚠

- Fully charge the battery before first use of the product.
- Back up the data and programs in a different location before setting the product.
- Unsaved data is to be lost.
- Do not place heavy objects on top of the product.
- Do not use the product in an area with much humidity, lots of dust or excessive heat (heater, cigarette, etc.).
- Do not drop the product or apply excessive force on it.
- If any foreign material is on the touch screen, clean it well with a soft cloth.
- Do not use a sharp object (pen, wire, screwdriver) while using the touch screen, and use the provided stylus or tools designed for touch screen only.
- Use genuine parts only such as battery, power adapter, and cradle provided.
- The warrenty does not cover for the damage caused by other applications installed by user.
- Please do not allow metal objects to touch the battery contact surface.

Communication ⚠

- Please do not manipulate your product nor make a phone call in your vehicle.
- This may cause a traffic accident.
- Please turn off the product while on an airplane. Electromagnetic waves from the product can affect the plane's control panel mechanics.
- Please turn off the product at the hospital. Electromagnetic wave from the product can affect the medical equipment.
- Please obey explosives regulations. It is safe not to use the phone around the gas station.
- Please be careful while using headset (earplug). Long-term exposure to sound at high volumes can damage hearing.
- If the product has flashlight function, do not use the product in front of a person (or
- animal)'s eyes. This may impair the vision.

Repair and Maintenance ⚠

- Do not open, repair or modify the product according to your taste. Doing so will void the warranty.
- If a repair is needed, please contact one of our certified customer support centers, or contact the dealer where you purchased the product.

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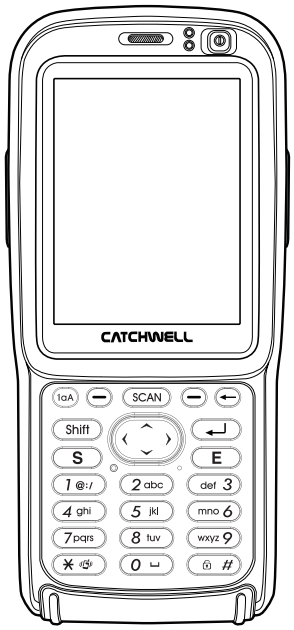
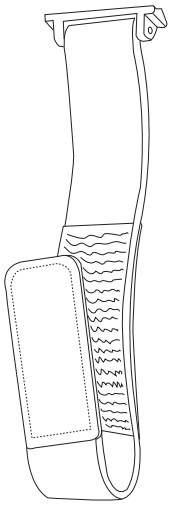
1 Product Components

Product Components

Please check to see if all of the following items are present in the product box. If anything is missing or broken, please contact the place where you purchased the product. The provided components may vary depending on its options.

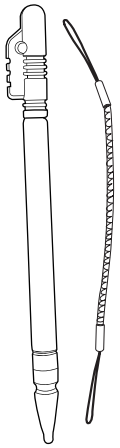


Main unit of PDA

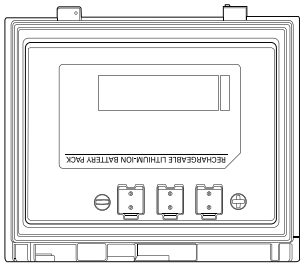


Hand strap

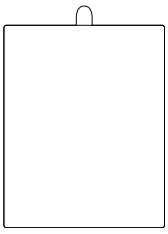
Wrist Strap



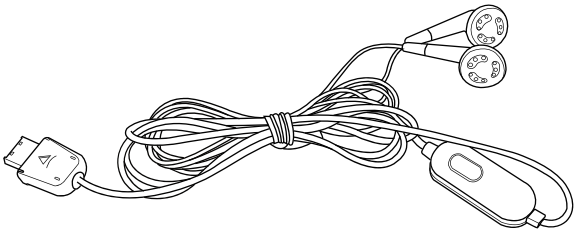
Stylus and its string



Li-ion polymer battery



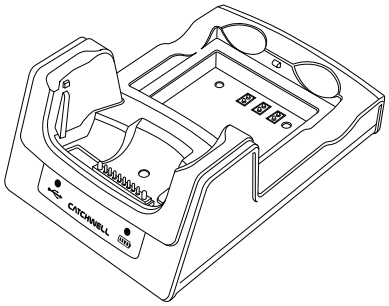
Protective film



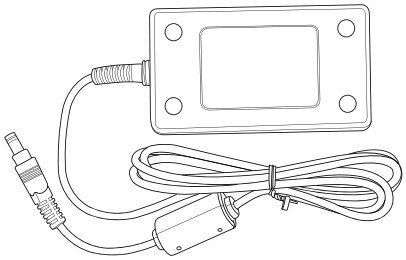
Earset: if it has a phone function

Peripherals and Accessories

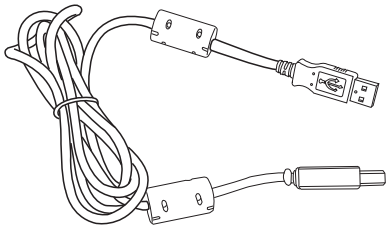
- **1-slot cradle**



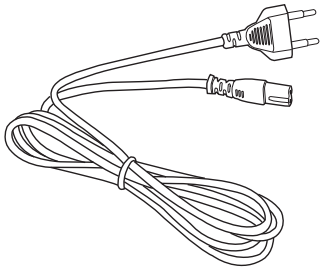
Cradle for charging and communication



Power adapter

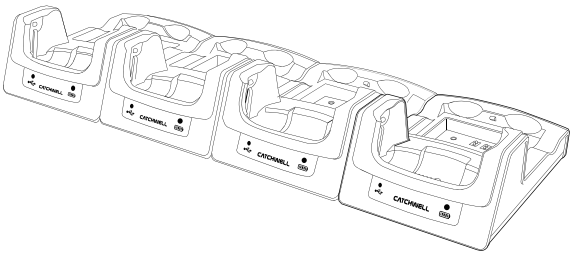


USB cable

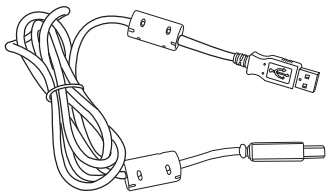


Power cord

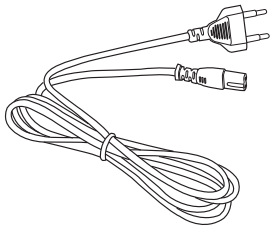
- **4-slot cradle components**



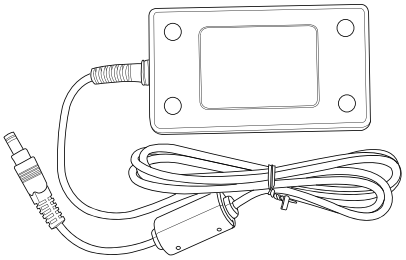
4-slot cradle



USB cable

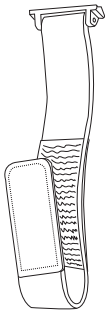


Power cord



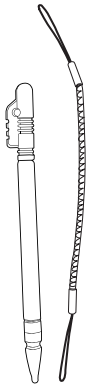
Power adapter

Accessories for individual use

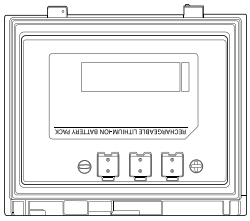


Hand strap

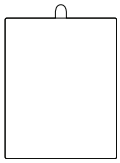
Wrist Strap



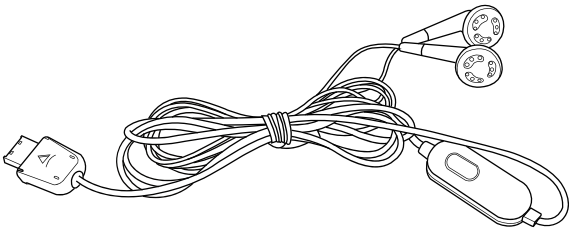
Stylus
Stylus string



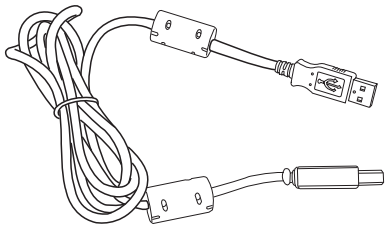
Li-ion polymer battery



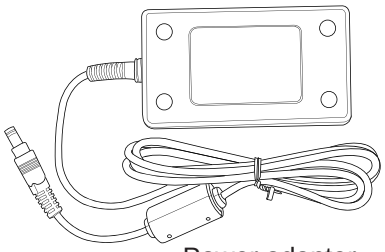
Protective film



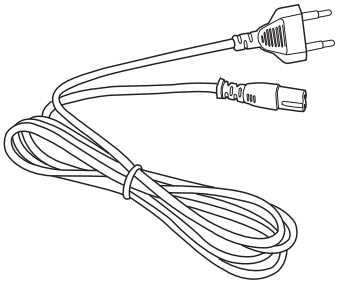
Earset



USB cable



Power adapter

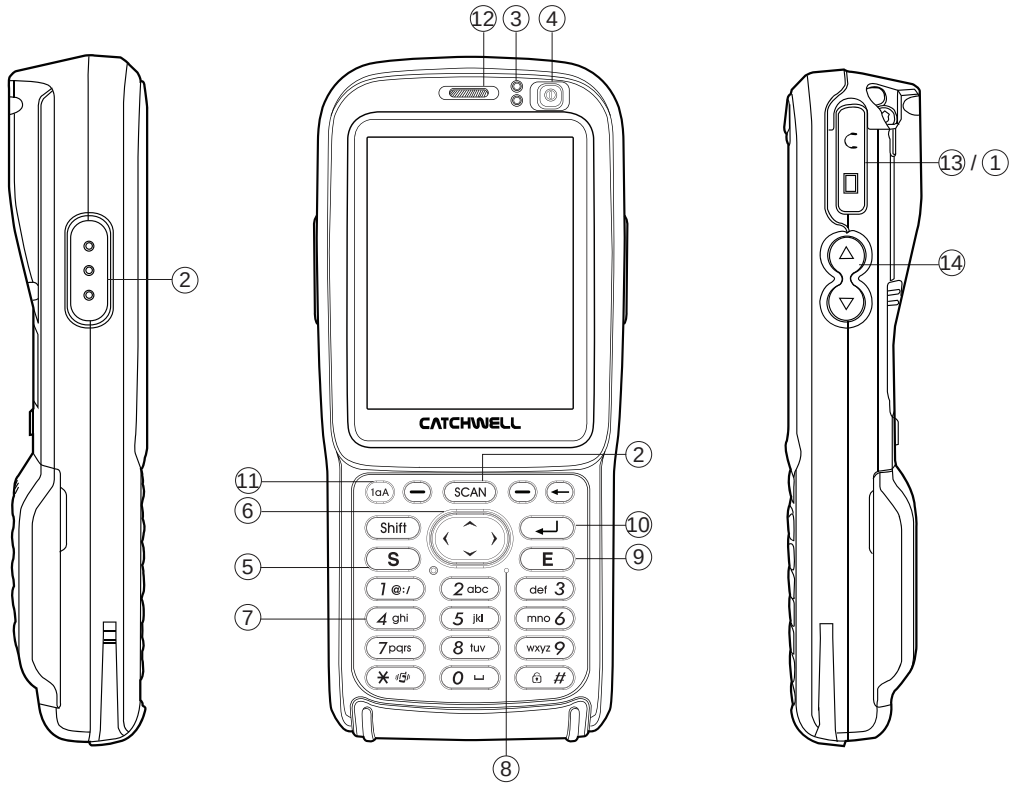


Power cord

2 Part Names and Functions

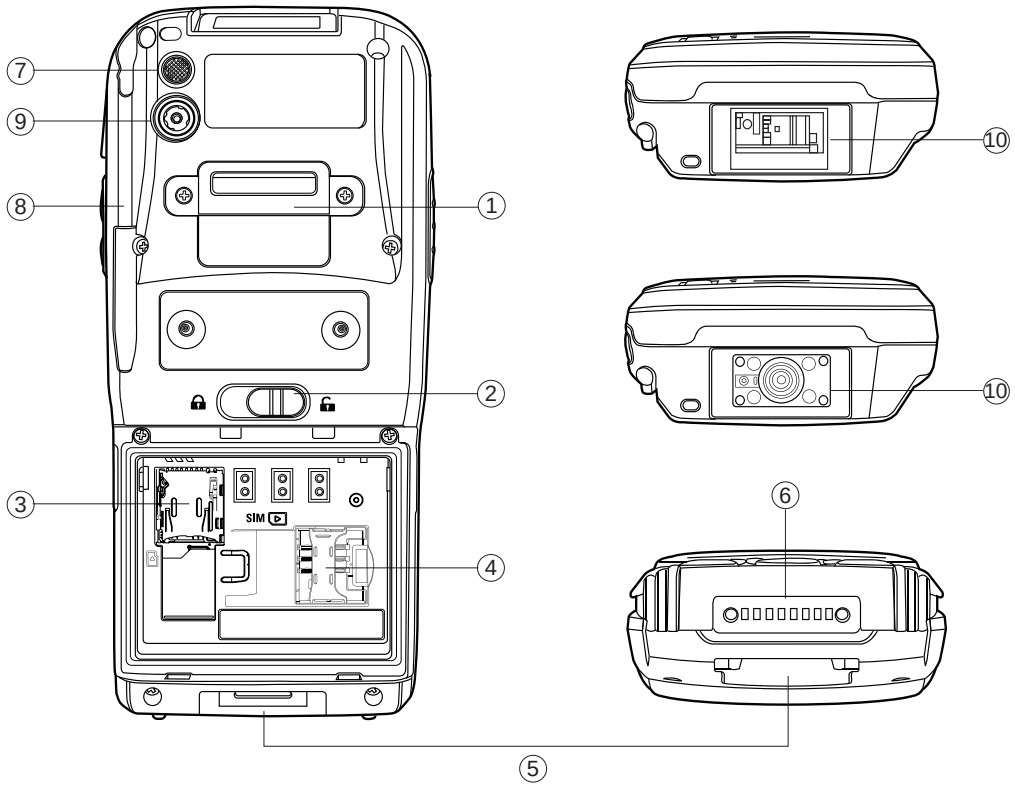
This section explains device parts' names and their functions.

device – Front View



No	Contents
①	Earphone Jack
②	Scan Button
③	Status LED • Charging: Red LED (steady) • Processing: Blue LED (flashing) • Green LED (steady): Charge complete • Red LED (flashing): Contact error
④	Power Button • Short press: Backlight on • Long press: Sleep mode
⑤	Call Send Button
⑥	Navigation Button(Up/Down/Left/Right)
⑦	Alphanumeric Keypad
⑧	Microphone
⑨	Call End Button
⑩	OK Button
⑪	KeyMap Mode Conversion Button
⑫	Front Speaker
⑬	24-pin Connector
⑭	Volume button

device – Rear View

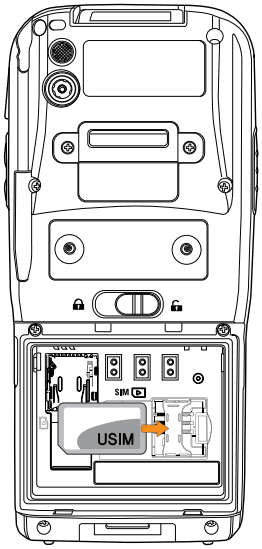


No	Contents
①	Wrist Strap Mount
②	Battery Release Latch
③	MicroSD Memory Card Slot
④	USIM Slot
⑤	Wrist Strap Mount
⑥	Battery Charger Port
⑦	Photo Flash
⑧	Stylus Holder
⑨	Digital Camera
⑩	Barcode Scanner (Scanner shape may vary depending on the model.)

3 Insertion/Removal of USIM Card

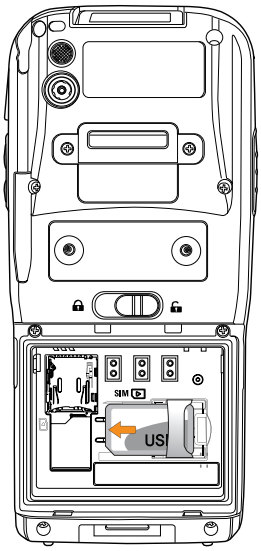
USIM Card Insertion

Insert USIM card to the right.



USIM Card Removal

To remove the USIM card, while pressing down the Lock to the left side of the slot, push the USIM card to the left.

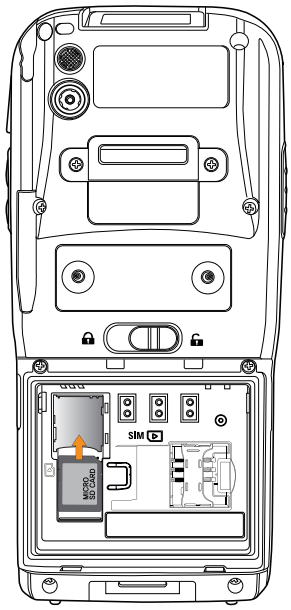


Note

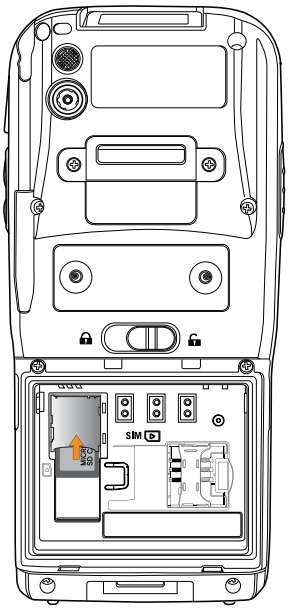
- Please make sure of correct orientation of USIM card when inserting. (The golden contact of the card should face toward the device.)

4 MicroSD Card Insertion

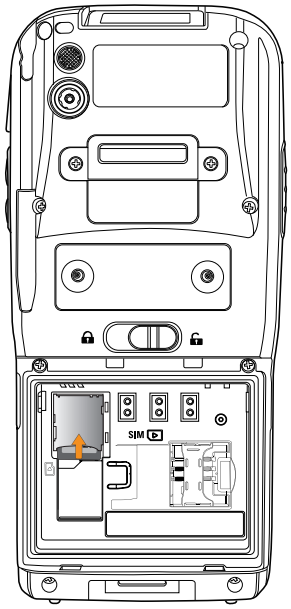
1 Find the MicroSD card slot in the battery bay at the back of the device.



2 Insert the Micro SD card with metallic contacts face down toward the device.



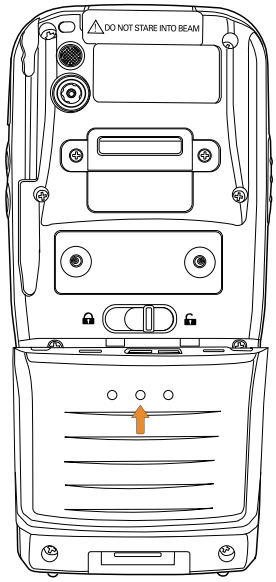
3 Push the card until click sounds.



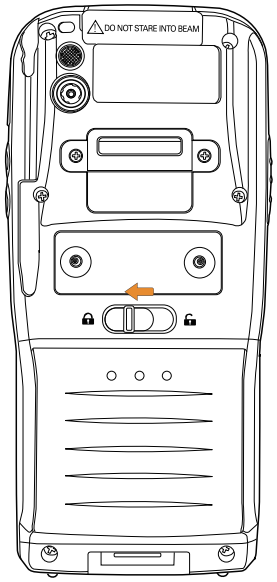
5 Insertion/Removal of Battery

Battery Insertion

1 Place the battery in the battery bay and push and hold it.



2 Push the battery release latch to the left while pressing the battery to lock it.

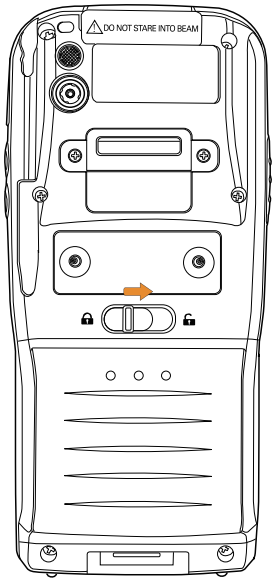


Warning

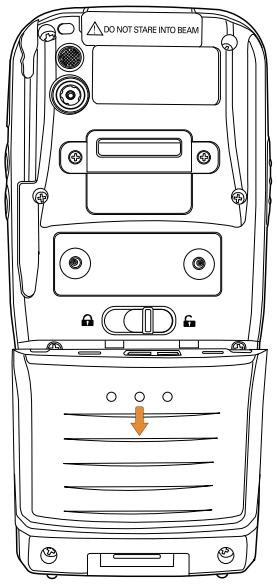
- If you do not press the battery, it may cause damage to the product (or you).

Battery Removal

1 Remove the battery cover by pressing the battery latch to the right at the back of the device.

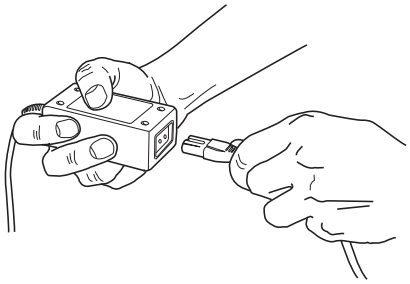


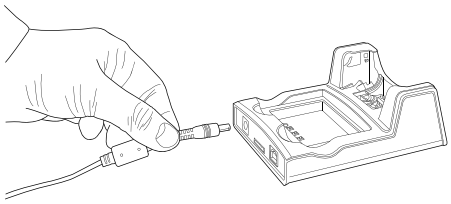
2 As in the picture below, hold the groove of the battery and pull the cover down to remove.



6 Charging the Battery

1 Connect the power cable to the power adapter, then connect it with the cradle's plug-in area.

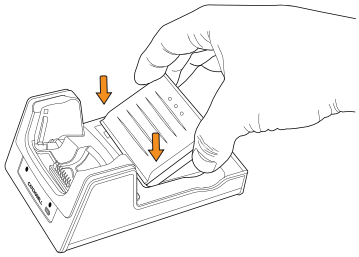




2 Dock the device into the cradle. A red status LED at the front of the cradle lights if the product is correctly docked.

- **Charging the battery in the device**

- **Charging the battery only**

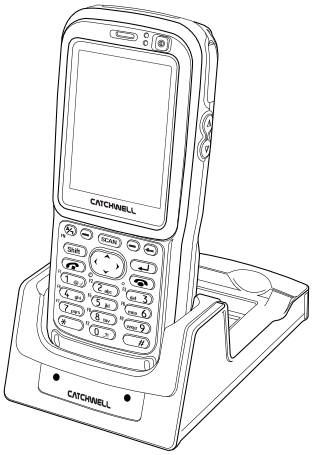


Insert the battery in the slot at the back of the cradle. (Ensure the battery is correctly orientated.)

Warning

- If you do not press the battery, it may cause damage to the product (or you).

3 A complete charge takes approximately four hours. To charge the battery quickly, press and hold the power button to put the device in sleep mode before charging.



LED	device LED Indicators
device LED Indicators	- Red LED (steady): device battery is charging. - Green LED (steady): device battery is fully charged. - Red LED (flashing): Error in charging.
Cradle LED Indicator (Left)	- Red LED (steady): Reserve battery is charging. - Green LED (steady): Reserve battery is fully charged. - Red LED (flashing): Error in charging.
Cradle LED Indicator (Right)	- Green LED (steady): The product is connected to your computer via USB cable.

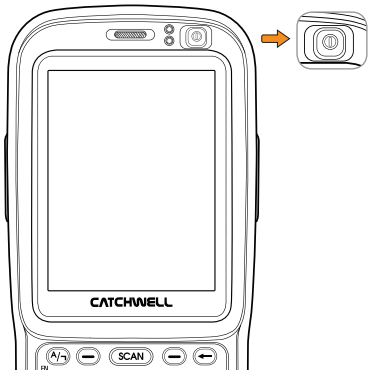
Note

- Please Check the following if Red LED is blinking.
  - There is a contact error between the device and cradle.
  - Clean the cradle connector if any foreign material is on it.

7 device Power On/Off

device Power On

1 Press the power button on the device shortly.



2 After start, Windows® logo appears. (The screen might differ depending on the model.)

Warning

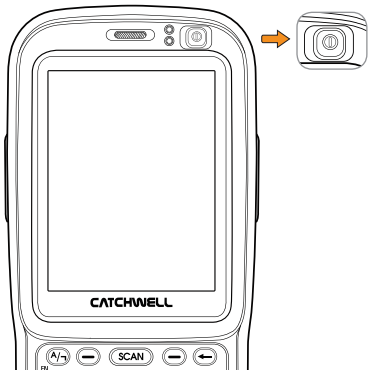
- If the power button is pressed for more than 3 seconds, the device switches to the sleep mode (Suspend).

Note

- If the device does not start after pressing the power button, check if the battery is fully charged, and if the battery is charged, perform hardware reset (cold booting). For more information, please see “device basic usage” > “5. Reset.”

device Power Off

1 Press and hold the device's power button.
- Alternatively, click Windows Start > [Pause].



2 A moment later, device will turn off.

Warning

- If the device will not be used for a long time, remove and store the battery separately. Please use a fully charged battery when turning the device back on.

8 Battery Maintenance

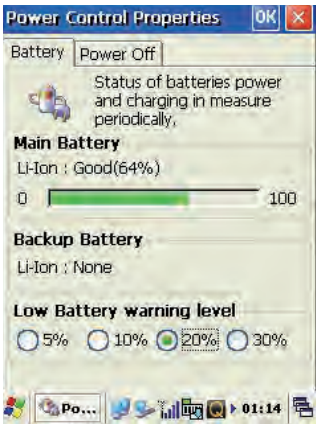
Checking Battery Status

Check the current battery status, and set the low battery warning level.

1 To change the power property, select [Start] > [Settings] > [Control Panel].

2 Click the [Power Control] icon.

3 At the Battery tab in the Power Control Properties window, the battery level can be checked, and the Low Battery warning level can be set.



Note

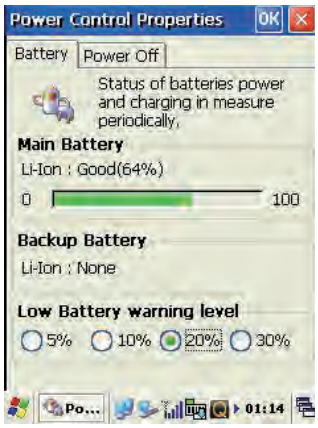
- The Low Battery warning level can be set as 5, 10, 20, and 30%.

Power Cut Setup

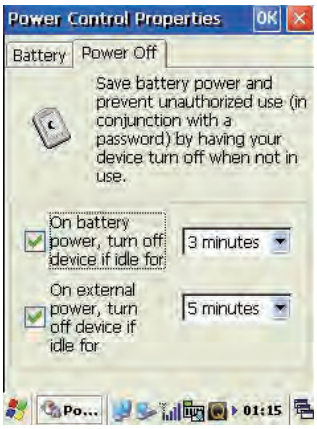
To increase the life span of the battery, you can set the device to turn off the power when it is not used for a certain amount of time.

1 To change the power property, select [Start] > [Settings] > [Control Panel].

2 Click the [Power Control] icon.



3 At the Power Control Properties screen, press Power Off tab, and set the device to turn off the power when it is idle for a certain time.



Warning

- To turn the device back on, press the Power button.

Note

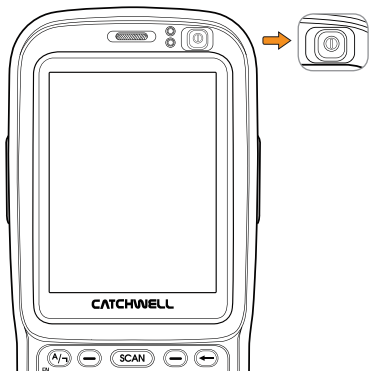
- See the Power section in Chapter 2 for more details.

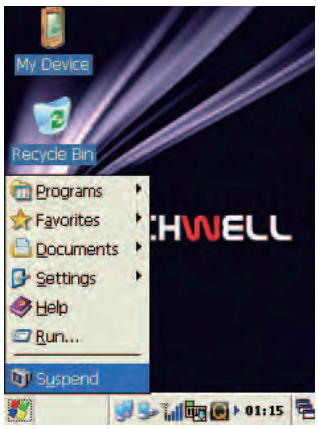
Sleep Mode

The sleep mode can be used when the device will not be used after a specified time.

* Sleep Mode: Sleep Mode saves the battery power when the device is not used after a designated period of time by turning off LCD, keypad, and wireless LAN.

1 Press [Power] button for more than 3 seconds.
- or select Windows [Start] > [Suspend].





2 The device will switches to Sleep Mode.

3 The device will switches to Sleep Mode.

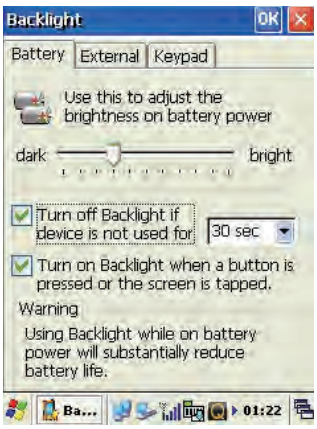
Backlight Setup

To increase the battery life span, set the value for the device's backlight.

1 To change the power property, select [Start] > [Settings] > [Control Panel].

2 Click the [Power Control] icon.

3 At the Power Control Properties screen, press Power Off tab, and set the device to turn off the power when it is idle for a certain time.



9 System Specifications

CPU		Marvell PXA320 (806MHz)
RAM		256MB
Flash ROM		512MB
OS	**Windows Mobile**	Windows Mobile 6.5
	Windows CE.Net	Windows CE 5.0
Scanner	**Laser(1D)**	Symbol SE950, IS4813
	CMOS(1D/2D)	HHP IT5xxx
LCD	**Type**	Color TFT-LCD
	Size	2.8”(Portrait)
	Resolutions	240*320(QVGA)
WWAN		Quad Band GSM/GPRS, Tri-Band HSDPA
LAN	**WLAN**	IEEE 802.11 b/g
PAN	**Bluetooth**	Bluetooth V2.0 Class II EDR
RFID		RFID HF(with NFC)
GPS		Internal
Keypad		20 Alpha/Numeric/Fuction, 2 Scan, 1 Navi and Volume Up/Down, 1 Power keys
Capture Camera	**Quality**	3.0M pixel
	Flash	Flash LED
Audio		Speaker, Receiver, MIC, Earphone-Jack
Battery Pack		3,300 mAh
Expansion Port		20 Pin Expansion Port
Expansion Slot	**SD**	Micro SD(Inside Battery Slot)
	USIM	Inside Battery Slot
Interface	**USB Client**	I/O Connector and 20 Pin Expansion Port
	Serial	I/O Connector and 20 Pin Expansion Port
Charge		Cradle And 20 Pin Expansion Port
Environment	**Drop**	1.8m high, 6 sides, 2 time each (total 12 times against concrete)
	Sealing	IP 65
Cradle	**1, 4 Slot**	USB Client, Serial, Battery Charge Slot, Ethernet(Option)

Chapter 2 device Basic Usage

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1 Start Screen

The Start screen appears when the device is turned on. The screen consists of background and taskbar.

Name	Descri ption
My device	Allows to see and to change folders and files in the device
Recycle Bin	Contains the deleted files and data temporarily. Can delete contents or recover them.
Start Button	Can start various programs by pressing the Start button.
Taskbar	Displays the open programs: Network Connection, Running programs, and others.

2 Status Icon

It describes the status icons on the taskbar.

Name	Icon	Descri ption
Network Status		Displays the current network connection status. (Connected: Disconnected:)
Mobile Wireless Signal Status		Displays the wireless signal strength. (CDMA or GSM)
USB Connection		Displays the USB connection status.
Bluetooth Status		Displays the Bluetooth connection status.
Barcode Mode		Displays the current barcode scan mode.
Quick Launcher		Displays the most widely used program setting menus (Volume, Power, Backlight, Wireless, WLanSetting).
Input Setting		Displays the input mode. (Keyboard, writing recognition)
Time	01:53	Displays the current time on the device.
Window		Displays the running window.

3 Setting Up

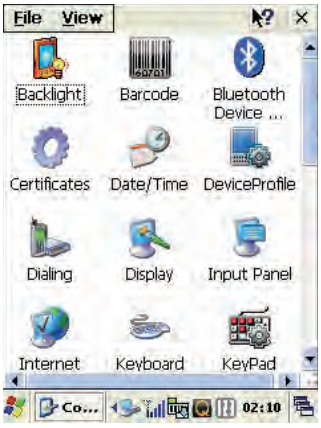
Set the date/time, network, dsplay, volume, power, system, and others.

Opening [Control Panel]

1 Select [Start] > [Settings] > [Control Panel].

2 [Control Panel] window appears. The viewing mode (Big icon, Small icon, Detailed, etc.) can be changed at the [View] option, and the icons can be sorted.

Example) 'By Name' sorting

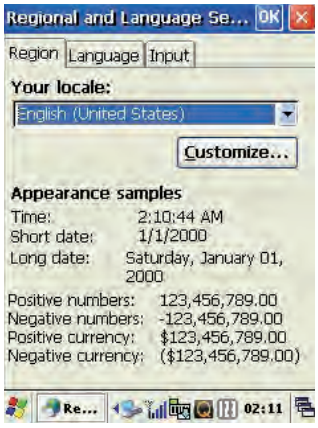


Region and Language Settings

Set the locale, numbers, currency, time, and date.

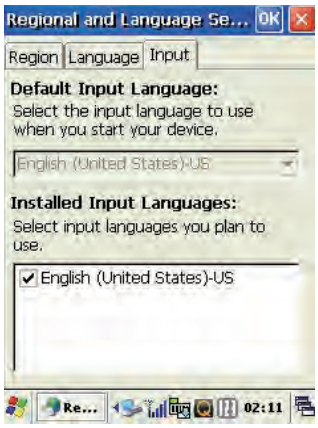
1 Select [Start] > [Settings] > [Control Panel] > [Regional Settings].

- **Local**
  Select the country where the device is being used.



- **Language**
  Select the Windows language. Only English is installed so for the other languages, please contact the service engineer.

- **Input**
  Select the device's input language. Only the installed language appears, and for other language, please contact the service engineer.



Date/Time

Set the device's local date, time, time zone, and the clock.

1 Select [Start] > [Settings] > [Control Panel] > [Date/Time].

2 At Time Zone (Z), press select bar to find the correct time zone.

3 Use left/Right arrows to select year and month.

4 Click the current date on the calendar to set the date.

5 Write the current time in the time box.

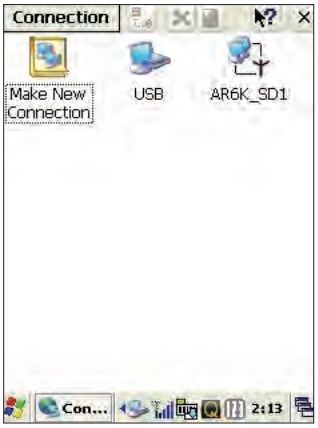
6 Press [Apply] button or [OK] button to save the changes.

Network and Dial-Up Connections

Connect the device to the network using various methods (Ethernet, Wireless LAN, and Modem). You can send or receive email, access network server files, and search them using Internet or Intranet via network connection.

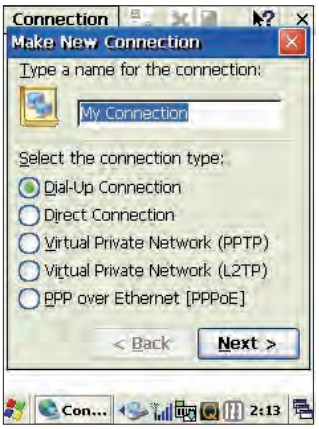
- **Setting Internet via Modem** (Only if the modem is installed)

1 Select [Date/Time] > [Network and Dial-up connections].



2 Click the Make New Connection.

3 Type a name for the connection, select Dial-Up Connection, and then press [Next].

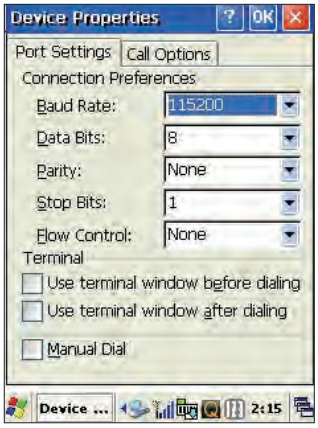


Note

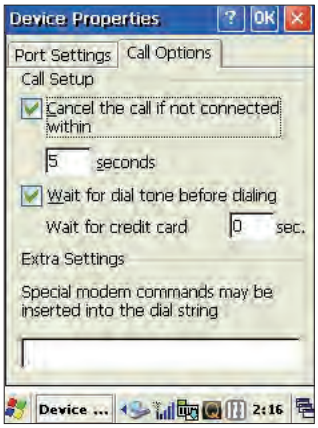
- Connect to the network using the modem if Wi-Fi or wireless Internet is not available.

4 Select a modem on the device and press [Next >].

5 Press [Configure...] to open the screen and configure settings as shown below.
- Contact the telecommunication provider for the Preference values.

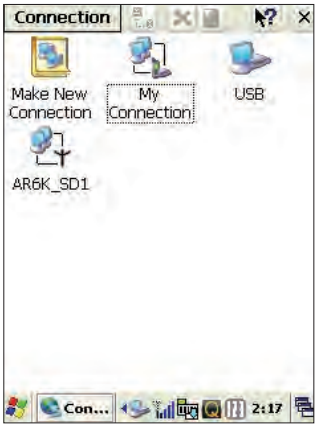


6 Press Call Options to set the special modem commands, and then press [OK] on the device Properties window.



7 After typing in Phone number, press [Finish]. (Ask your telecommunication provider for the connection phone number).

8 Through modem, the network has been established, and connections between networks can be used.



Warning

- The phone access number and connection setup method may differ depending on the telecommunication provider. Check with the provider for the setting method before using the connection.

Display

To change the background image or active window's color, open the Display Properties window. (Right click menus appear when the stylus touches the screen for more than 1 second.)

- **Background**
  Follow the instructions below to change the background image.

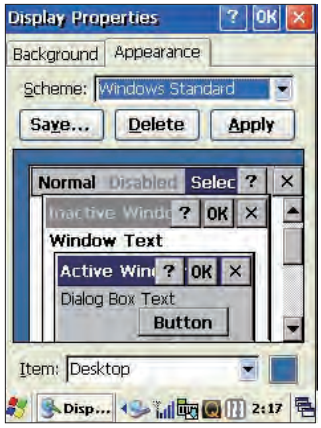
1 Select [Start] > [Settings] > [Control Panel] > [Display].

2 Select the Background tab.

3 Press [Browse] and select an image for the background.

4 To set the image like tiles, select 'Tile image on the background' menu.

- **Appearance**
  Set colors for window and text.



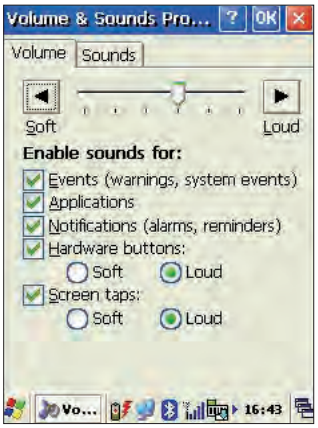
Volume and Sound

Set the device's volume and sound types.

1 Select [Start] > [Settings] > [Control Panel] > [Volume & Sound].

- **Volume**

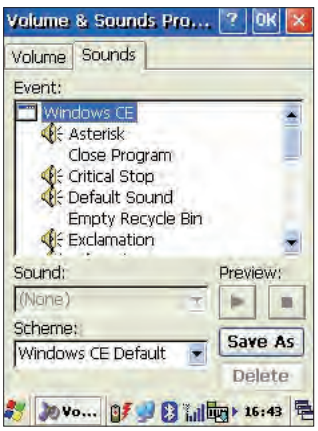
1 Press left/right arrow icons or move the slide bar to set the desired volume.



2 Select cases, like Events (warnings, system events), Applications, and Notifications (alarms, reminders), in which the sounds will be enabled).

- **Sounds**

1 Select Event from the list.



2 Select Sound from the list.
Check the sound from Preview.

3 To remove the Sound from the certain event, select [None].

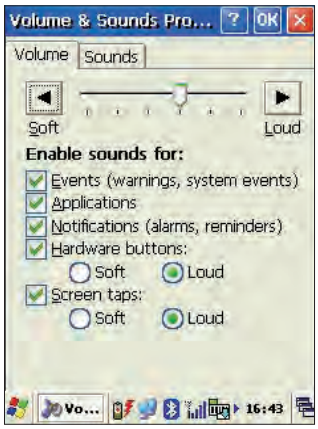
4 To save the changes for the different scheme, press [Save As] and type the name for the scheme.

5 To remove the Scheme, select a Scheme and press [Delete].

Mouse

Set the double click sensitivity of your stylus.

1 Select [Start] > [Settings] > [Control Panel] > [Mouse].



2 Double click the check patterned picture. Press [OK] to auto-save the sensitivity speed.

Owner Properties

Set the device user information or network ID.

1 Select [Start] > [Settings] > [Control 1 Panel] > [Owner].

- **Owner Identification**
  Type name, company, address, work phone number, and home phone number on the Identification tab. To display information on the start screen, check “Display owner identification.”

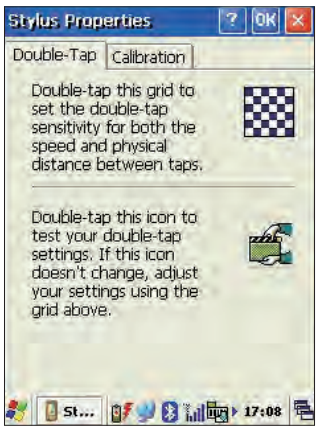
- **Network ID**
  Set the user name, password, and domain provided by the network administrator.

- **Notes**
  Type additional information in the ‘Notes’ box.To display on the start screen, check “Display owner notes.”

Stylus

Set the double tapping and calibration of the stylus.

1 Select [Start] > [Settings] > [Control Panel] > [Stylus Properties].



- **Double-Tap**
  Double-tap the check patterned picture to auto-save the speed.

- **Calibration**
  Calibrate the stylus.
  (See “4. Screen Calibration.”)

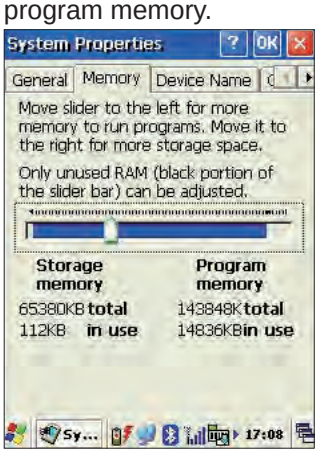
System Properties

Display the device’s system information, memory status, and others.

1 Select [Start] > [Settings] > [Control Panel] > [System].

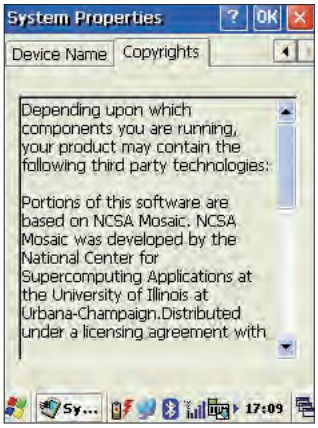
- **General**
  Displays operating system, software version, and computer hardware information.

- **Memory**
  Select sizes for data storage memory and program memory.



- **Device Name**
  Sets the device name.

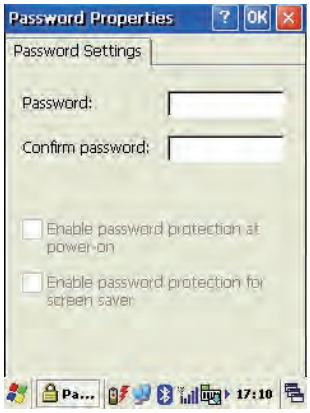
- **Copyrights**
  Check to see the information on the copyrights of the system.



Password

Set the password.

1 Select [Start] > [Settings] > [Control Panel] > [Password].



Note

- After setting the password, the password window appears on the start screen when turning on the power or after soft reset. The device can be accessed only when the correct password is entered. To remove the password, delete the password in the Password Properties window.

Warning

- If you check the password enabling option on the system start screen, be sure to remember the specified password. Even if the hardware is reset, the password is not initialized. If you cannot remember the password, please contact the certified service center.

Certificates

For trusted and safe communication, some programs require certificates.

Note

- Certificates are issued only from the official approval institute and valid for certain period of time. The Windows CE administrator manages various storage areas for certificates.

1 Select [Start] > [Settings] > [Control Panel] > [Certificates].

- **Import**
  To add certificate or related key, press [Import] and select the method to Import the certificate or key. This can be selected from the file or smart card.
- **View**
  To see extension code, expiration date, or other certificate-related information, press [View].
- **Remove**
  To delete the selected certificate, press [Remove].

Internet Options

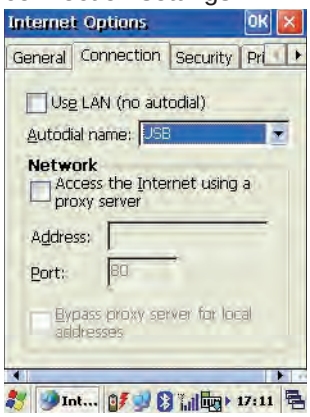
Set the Internet connection, security, and other properties to use the Internet.

1 Select [Start] > [Settings] > [Control Panel] > [Internet Options].

- **General**
  Sets the start page, search page, and others.

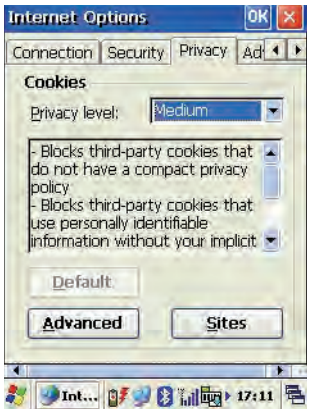
  Clear Cache: Deletes the saved system cashe.
  Clear History: Deletes the list of previously opened pages.

- **Connection**
  Sets the proxy server address, port, and other Internet connection settings.

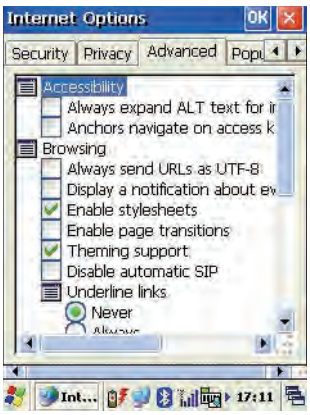


- **Security**
  Sets security options.

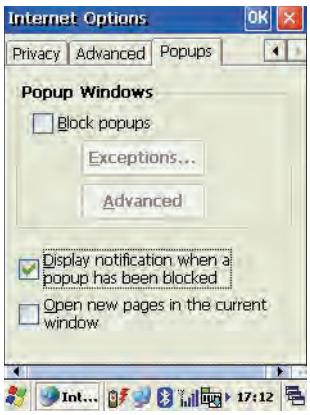
- **Privacy**
  Sets the level of private information blocking.



- **Advanced**
  Sets advanced Internet options.



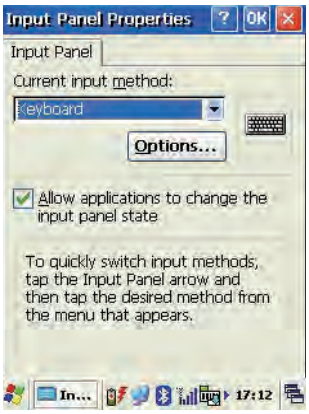
- **Popup**
  Sets webpage popup blocking options.

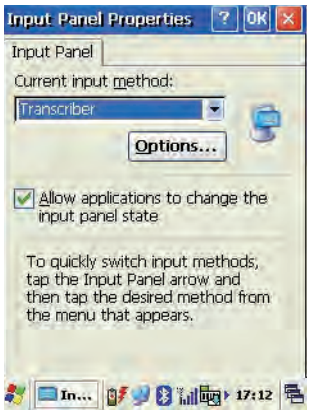


Input Panel

Change the input method for Keyboard or Transcriber and set the case options (upper case/lower case).

1 Select [Start] > [Settings] > [Control Panel] > [Internet Options] > [Input Panel].





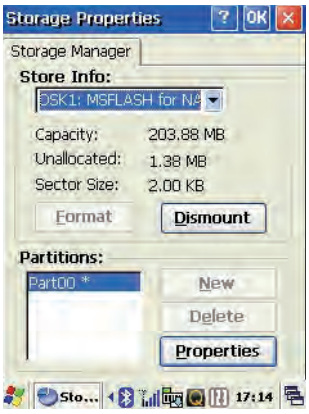
Note

- For more details, see “Chapter 6 Using Applications.”

Storage Manager

Use Storage Manager to set the flash ROM (Disk1). Disk1 is normally used to save data and files.

1 Select [Start] > [Settings] > [Control Panel] > [Storage].



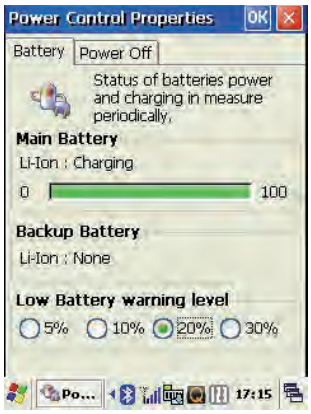
- **Format**
  Formats the selected disk.
- **Dismount**
  Formats the selected disk’s partition.
- **New**
  Creates a new partition and gives it a name.
- **Delete**
  Deletes the desired partition. For this, select the partition, press Dismount, and then press Delete.
- **Properties**
  Checks the created partition’s properties.

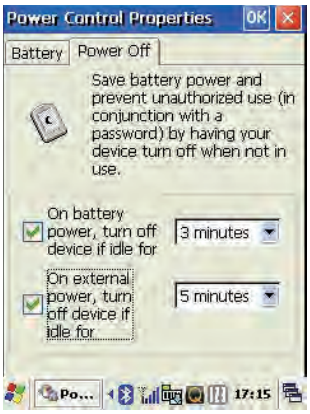
Warning

- If you format the disk, all the data including files and programs are deleted and they cannot be restored. Before use of this function, please consult your system administrator.

Power Control Properties

Check the battery remaining amount, and set the warning level and power off time.





- **Main Battery**
  Shows the current amount of the main battery's power.
- **Low Battery Warning Level**
  Select the level for battery warning sign (5%, 10%, 20%, 30%) in case of low battery.

Warning

- When the battery warning sounds, change the main battery immediately. Otherwise, a data loss, system error,or malfunction of specific parts can occur.

Note

- Power Off
- Sets the automatic power off setting.
  (See "Chapter 1 Battery Maintenance.")

Dialing

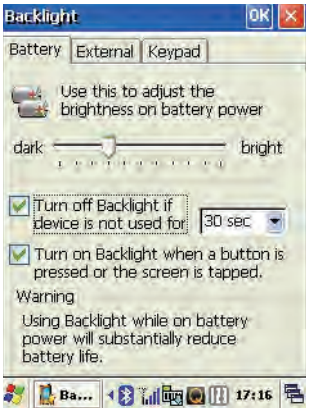
Set the Dialing properties.

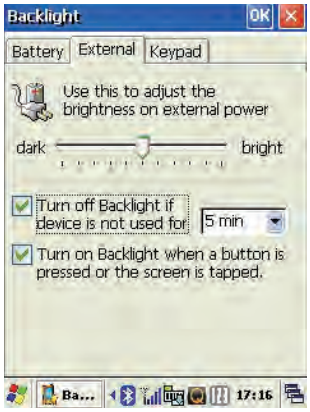
1 Select [Start] > [Settings] > [Control Panel] > [Dialing].

Backlight

Set the screen's brightness, backlight turn off, backlight on time, and keypad backlight.

1 Select [Start] > [Settings] > [Control Panel] > [Backlight].

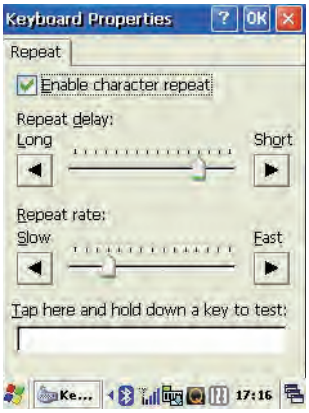




Keyboard

Set the keyboard's repeat delay and repeat rate. The Key repeat rate can be checked by testing a key repeat performance.

1 Select [Start] > [Settings] > [Control Panel] > [Keyboard].



Remove Programs

You can remove installed programs. Select program to delete from the list and press [Remove].

1 Select [Start] > [Settings] > [Control Panel] > [Remove Program].

Warning

- Please make sure what you are about to delete. Deleting some programs may cause a fatal system error. Please consult your system administrator before deleting any programs.

Barcode

This section explains how to set up barcode program. Press [Admin] and enter the password to set up the barcode program. Please consult your administrator to change the properties.

1 Select [Start] > [Settings] > [Control Panel] > [Barcode].

Warning

- If any program is deleted, the device may not work properly. Be sure to consult your system administrator in this case.

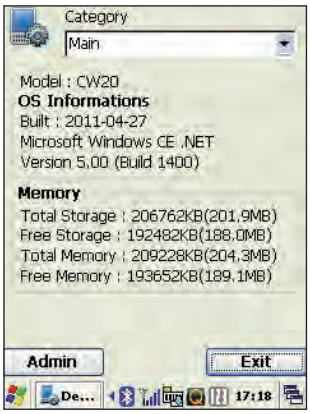
Bluetooth Manager

This section explains how to connect Bluetooth or change the set up values. (Not recommended when using SPP Profile). See Chapter 4 1. Bluetooth (77p)

Device Profile

This section explains how to display hardware and software's device information. Click [Admin] and enter the password to re-load the information or to save as a file. (Please consult your administrator to change the properties.)

1 Select [Start] > [Settings] > [Control Panel] > [Barcode] > [device Profile].

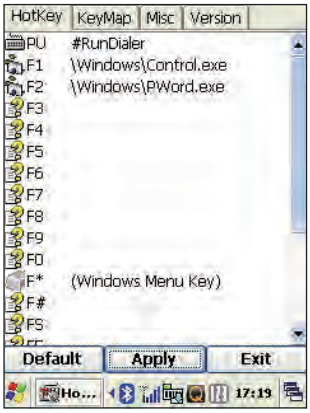


KeyPad

This section explains how to set up various keypad options.

1 Select [Start] > [Settings] > [Control Panel] > [Keypad].

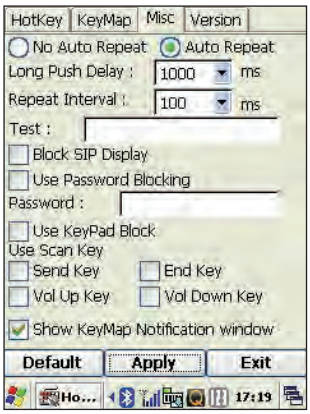
- **Hotkey**
  Check list of hotkeys and can change them (Ex: FN+F1).



- **KeyMap**
  Change or check currently using keys.

Press AP button on the keypad to change the keymap.
(Number) > (Upper Case) > (Lower Case) > (Number) repeated.
KeyMap may vary depending on suppliers or regions.

- **MISC**
  Set up keypad's reading time and other related options.



- **Version**
  Displays current program version of KeyPad.

PC Connection

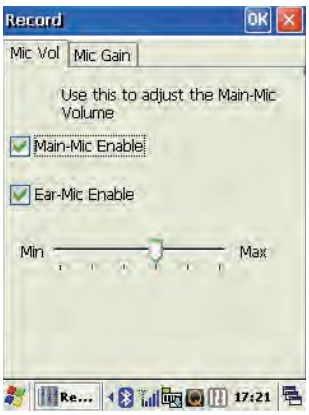
Set the PC connection properties to directly connect to the desktop computer. Select [Change Connection] to select the connection method to the desktop computer.

1 Select [Start] > [Settings] > [Control Panel] > [PC Connection].

Record Settings

Set the microphone, phone volume, and other extra volumes.

- **Mic Vol**
  Sets the device's mainmicrophone or earmicrophone's volume.



- **Mic Gain**
  Sets the loudness of the microphone volume during calls.

Utility Manager

Through Utility Manager, set the Start program and Quick Launcher. Press [Admin] and enter the password for Utility Manager.
(Please consult your administrator to change the configuration.)

Note

- For more information about Utility Manager, please see “How to use applications” in Chapter 6.

Wireless Setting

Set the wireless connections. You can set the status for Wi-Fi, phone, Bluetooth, and GPS to “On” or “Off.”

1 Select [Start] > [Settings] > [Control Panel] > [Wireless Setting]

4 Screen Calibration

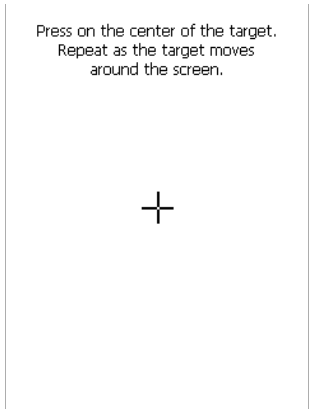
You may require recalibration if the device does not respond precisely to the stylus.

1 Before screen calibration, put the device on hold, or place it on the secured place.

2 Press [Start]> [Settings] > [Control Panel] > [Stylus].

3 Select [Calibration] tab > press [Recalibrate].

4 Tap on targets that appear on the screen with the stylus.



5 The following screen appears after you tap all targets and the recalibration process is complete. Tap anywhere on the screen to finish the process. Make sure recalibration has been performed correctly.

5 Reconfiguration (Reset)

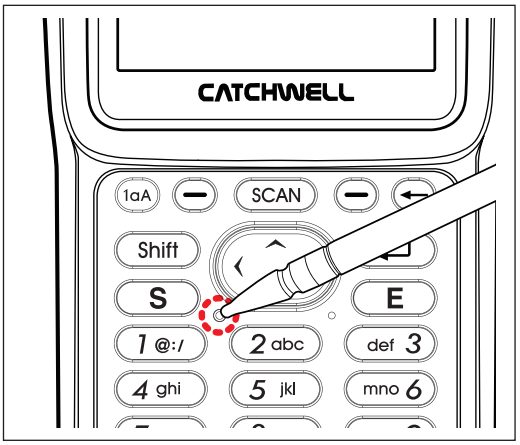
If the screen freezes while using the device, or if the program does not work properly, the device can be reset. There are two methods to reset the device to its original status: Software reset and Hardware reset.

Warning

- Please make sure what you are about to delete. Deleting some programs may cause a fatal system error. Please consult your system administrator before deleting any programs.

Software Reset

The software reset closes running programs and restarts the device. To start the software reset, press the Reset button on the upper right corner of the battery compartment using the stylus.

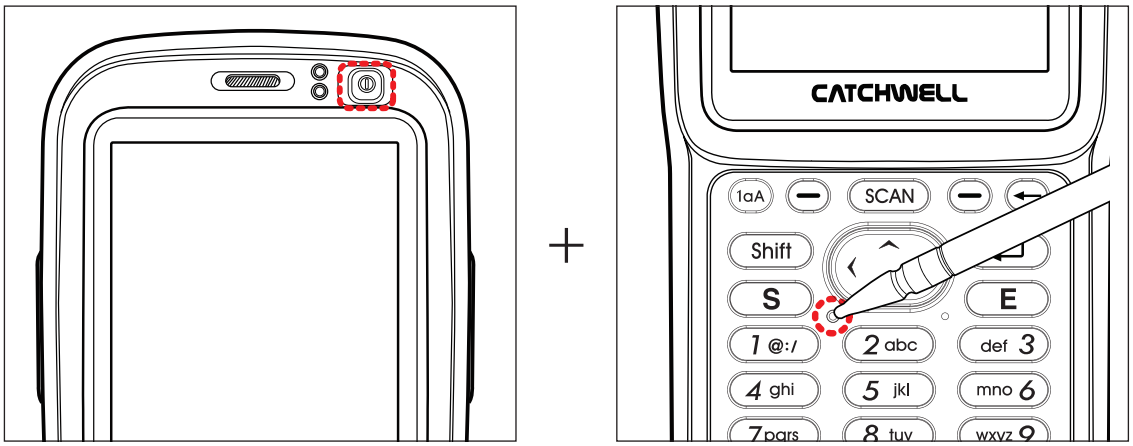


Warning

- Please back up running programs or data before performing the software reset. The software reset does not affect any data stored but it can affect any data or file that is being created.

Hardware Reset

It is recommended to use the hardware reset if the device does not work properly even after performing the software reset. To perform the hardware reset, press the Reset buttons on both the front and the back of the device at the same time.



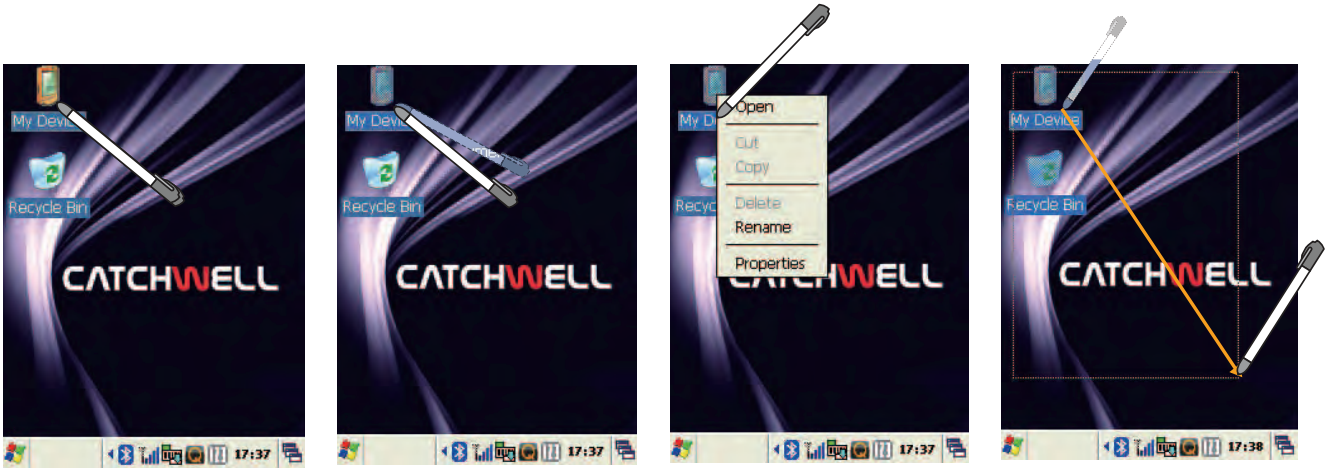
Warning

- Do not perform the hardware reset frequently. It may cause damage or malfunction to the device.

6 Using the Stylus

Stylus is used to execute commands or input data from the touch screen.

- **Click**
  Tap an icon once (to make a selection or launch an application program).
- **Double-click**
  Double-tap an icon (to open a folder or launch an application program).
- **Press and Hold**
  Press and hold until the command menu appears on the screen(to copy, paste, delete files, make keyboard entries, etc.).
- **Drag**
  Press, drag, and release at the desired location on the screen (to select multiple icons or to move icons).



Note

- To ensure a prolonged use of the touch screen:
  1. Clean it before use when any foreign material is on the screen.
  2. Be careful not to make scratches while using the touch screen.
  3. Use only the provided stylus or the touch screen dedicated stylus, and do not use sharp objects (pen, wire, screwdriver, or others).
  4. Use a genuine screen protective film, and replace it periodically.

Warning

- Keep the device or the stylus out of children's reach. Children may get hurt with the sharp end of the stylus.

Chapter 3 How to Use Phone

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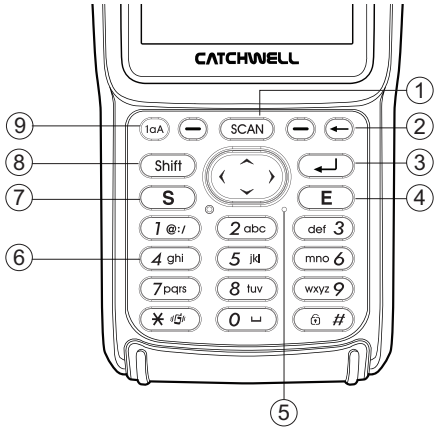
Data Capture

For more details, see page 108 “Chapter 6 Using Application Program > 1 WordPad explanation.”



No	Part	Function
①	Scan button	
②	Back space	Erases a character backward.
③	Enter button	Performs the line feed
④	End Call button	Ends a call.
⑤	Mic	Microphone hole
⑥	1~9 button	Endters number or characters
⑦	Call button	Makes a call.
⑧	Shift button	Shift fuction
⑨	1aA button	Change a chracter/ number

1 Device Buttons for the Phone Program

No	Part	Function
①	Taskbar	Displays the signal strength, call volume, message confirmation, manner mode, lock, and battery status.
②	Home	Moves to the main screen.
③	Phone Number Address Tab	Used to register, edit, and delete phone numbers.
④	Call History	Checks the history of the received, sent, and missed calls.
⑤	Message Inbox	Creates a new message, or displays the list of the sent/received messages.
⑥	Configuration	Includes the setup information, volume ettings, screen properties, network settings, USIM environments, messages, phone settings, phone book management, SPAM blocking, and others.
⑦	Hotkey	Displays (S) (−) (−) (E) buttons.
⑧	Call Method and Signal Strength	Displays the call method and signal strength.

Note

- By clicking the phone tray icon, the main screen can be active (or inactive)
  - In active mode, pressing the left [−] button changes to inactive.
  - In inactive mode, pressing the [S] button changes to active.

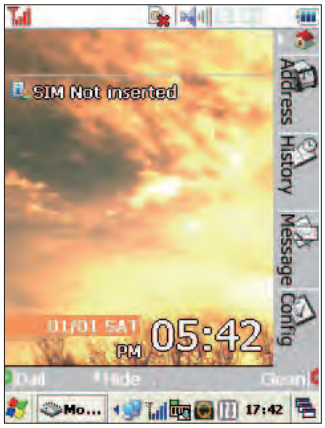
2 Turning Phone On/Off

Turn the phone function On or Off.

Turning On

1 Press and hold the device's [E] button.

2 [ ] icon appears on the taskbar as shown below and the phone number entry screen appears.



Note

- When starting the phone program for the first time or restarting modem, modem goes through reset process and it takes time before the device is ready to use. Do not perform other task while modem is being reset. When turning phone modem, if the USIM is inserted, USIM is automatically recognized and phone function can be used.

Turning Off

1 While the modem is On, press and hold the device's [E] button.

Note

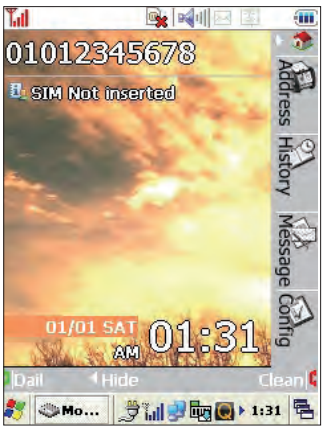
- While the modem power is off, the phone call/receive and message send/receive are not available. The caller is connected to the voice mail.

3 Phone Call / Receive

Make and receive a phone call.

Making a Phone Call

Using the number pad, enter the phone number and press the Call button [S].



Receiving a Phone Call

When a call is coming, press the [Connect] or Call button [S].

Note

- To adjust the volume, press up/down buttons on the keypad.

4 SMS Message

You can type or check a message.

SMS message screen

The SMS message screen consists of the following:

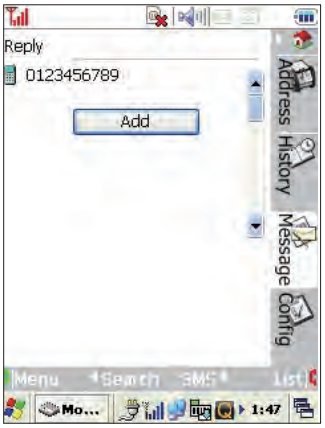
Icon	Message	Function
	Sent Message	Shows sent messages
	Read Message	Shows read messages
	Unread Message	Shows unread messages

Sending Message

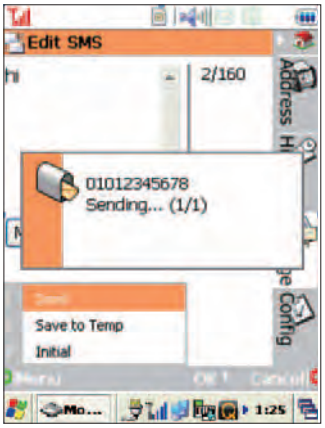
1 Select the Message tab on the right of the phone program, and select [New SMS].

2 Select the Message tab on the right of the phone program, and select [New SMS].

3 Enter the receiver's phone number, then press the [Add] button to add the number to the list.



4 Press the [S] button and select [1. Send] to send the message.



Note

- It can receive up to a maximum of 99 text messages. If a new text message is received when the number exceeds the limit, the first received message is deleted.
- Because it does not support MMS, it may not interoperate with the Device embedded camera and other devices.

5 Address Book

Add a phone number in the Address Book or modify the entry.

Adding Phone Number

1 Press [Address] tab and select [New Phone Number].

2 Enter the name, group, and phone number, then press the [S] button for saving.

Note

- A phone number can be added from the Call History list as well.

Edit Phone Number

1 Press the [Address] tab and double click the number (S)–Send, [E]-Main Screen, [−]-Menu Popup, [−]-Edit Address book).

2 After the number appears, edit the entries and press the [S] button to save the change.

6 Call History

It displays recent 100 calls sent and received.

Icon	Type	Description
	Sent	Mark sent calls
	Received	Mark received calls
	Missed	Mark missed calls

Note

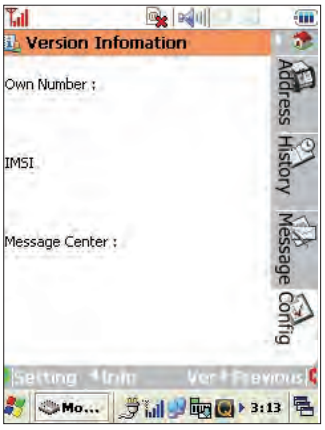
- *Button Description: [S]-Send, [E]-Main Screen, [⊖]-Menu Popup, [⊖]-Detail.
  * The call history only shows detailed information on the subscription of the caller identification service (CID). For information on how to start the service, contact the mobile company.
  *The numbers registered in the Address book appear with the name of the Address book.

7 Phone Setting

Set the basic phone options. The icons in the Setting menu are as follows:

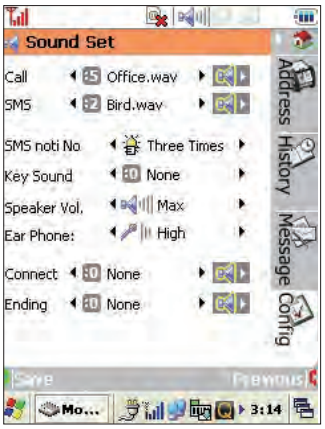
Version Information

It displays information of the telephone and modem, and their versions.



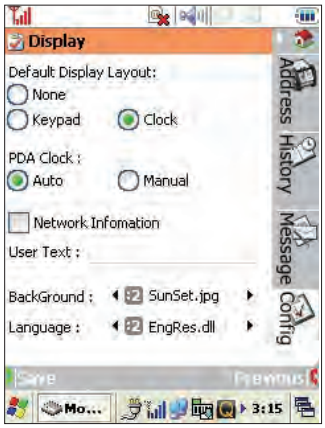
Sound Set

Set the sound options.
([S]-Save Changes, [E]-Main Screen).

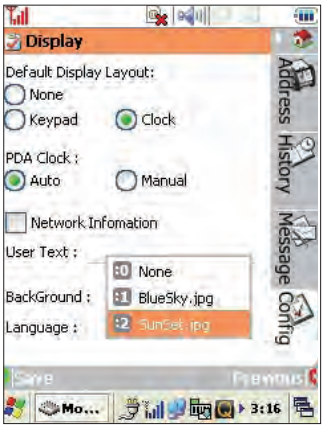


Display

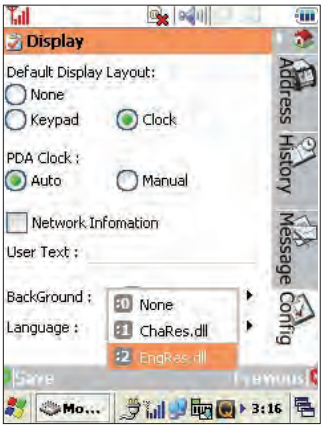
Set various options for the phone display.
([S]-Save Changes, [E]-Main Screen)



Can select the phone's background. (Basic setting is 1. Sunset.jpg)

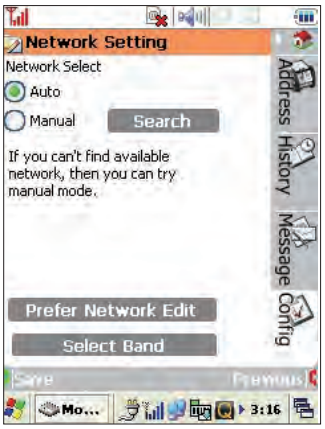


Can select the language for the device on the Display setting screen.



Network Setting

Configure the network settings and set the preferred network. Press [Select Band] to select a band from the list.

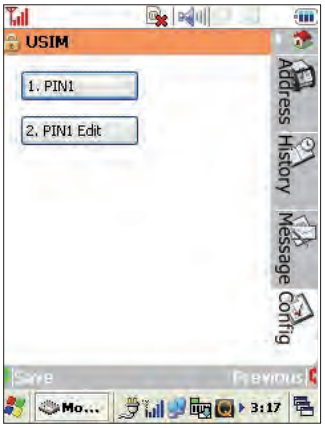


Note

- Communication might not be available if the network is set as Manual.

USIM

Set the values for USIM PIN or edit them.



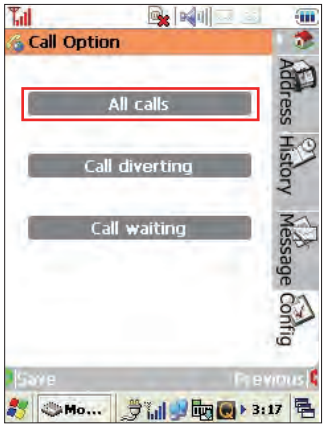
SMS

Add an SMS Center manually. (Normally, information is obtained through the USIM card, so there is no need for setup) Determine whether or not to delete old SMS messages when memory is full.

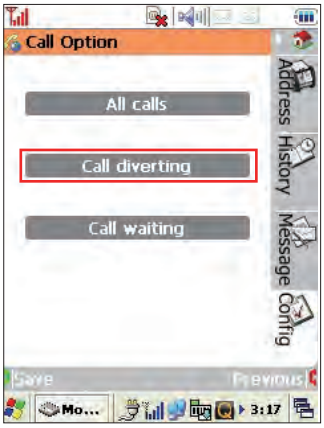
Call Option Management

Set the Call option.

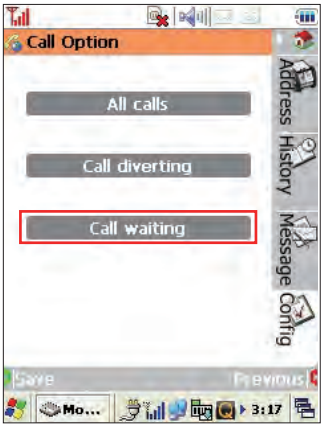
- **All calls**
  Determines whether or not to use the standby option while receiving/diverting calls and talking with someone.



- **Call diverting**
  Determines whether or not to use the call diverting option.

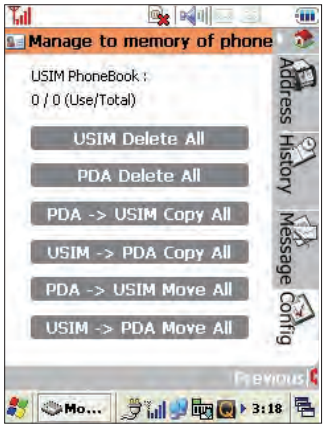


- **Call waiting**
  Determines whether or not to use the standby option while talking.



Managing Phonebook

You can copy, move, or delete a phonebook between the device and USIM.



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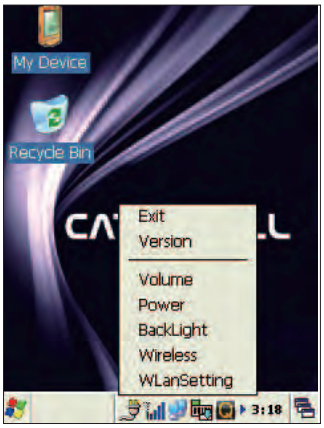
1 Bluetooth

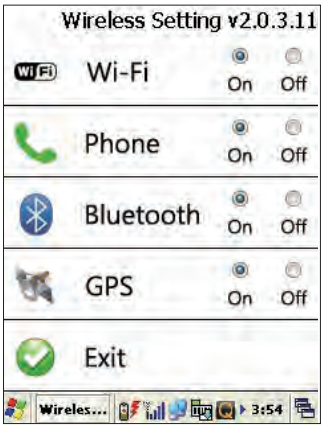
Connect the device and a Bluetooth device. Before purchasing a Bluetooth printer, consult your administrator for compatibility.

1 Turn the power of Bluetooth device (Bluetooth printer) on.



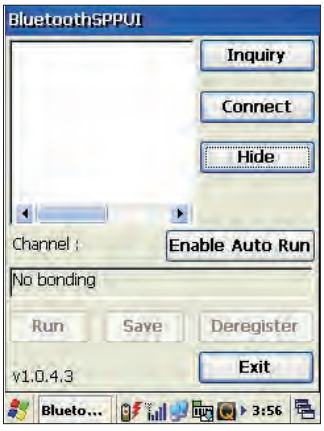
2 Select QuickLauncher from the taskbar or select [Wireless Setting] in Control Panel.

3 From Wireless Setting, check 'On' for Bluetooth and press [Exit].



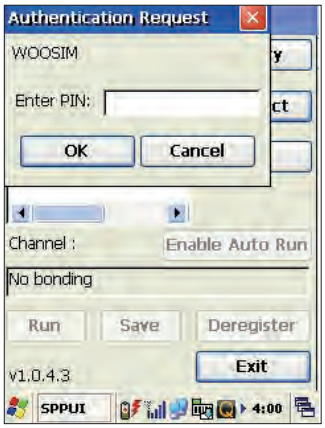
4 Run SPPUI in \Storage\BTprinter.

5 When the next window appears, press [Inquiry] to search for any Bluetooth device.



6 When a Bluetooth device appears, press [Connect] for connection.

7 Enter the PIN code and channel respectively (PIN:1234, Channel:1).



Note

- The PIN and channel number might differ depending on the Bluetooth device.

8 The Bluetooth Status icon appears on the taskbar.

9 To disconnect the Bluetooth device, select Bluetooth icon from the taskbar or [SPPUI] from [Programs] in the [Start] menu to open the window as shown below, and press [Exit] or [Stop] to disconnect the Bluetooth device.

Note

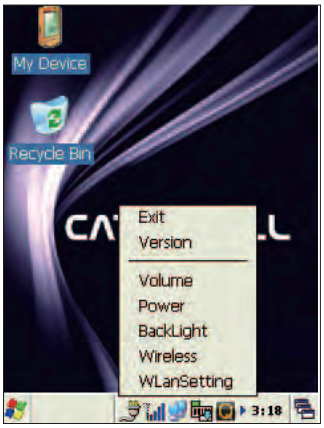
- A Bluetooth can be turned On/Off from Wireless Setting.

2 WI-FI Wireless Communication

Use the device's wireless LAN function.

Adding Quick luancher list

1 Select the Quick Launcher icon or [Wireless Setting] from the [Control Panel].



2 Select On for Wi-Fi in the Wireless Setting window and press [Exit].

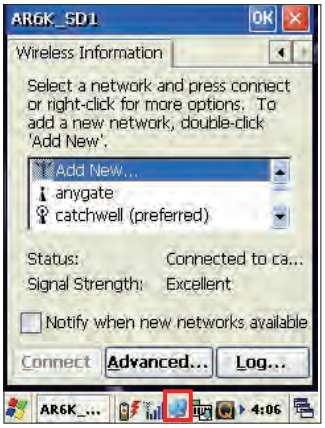
3 Double click the Network icon in the taskbar.

4 From the list of networks (Access Point device or Ad-hoc device), select one that you are using and press [Connect] to connect.(Network Key must be entered in case of secured wireless network).

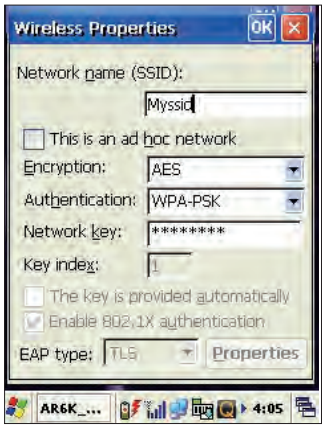
How to Set up Wireless LAN Configuration

1 Select On for Wi-Fi in the [Wireless Setting] window.

2 Double click the Network icon in the taskbar.

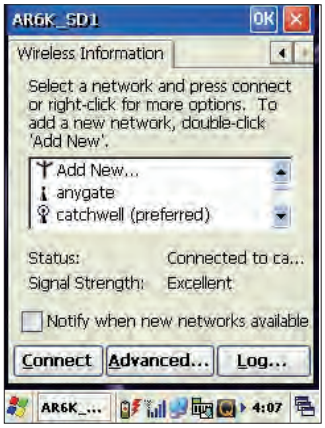


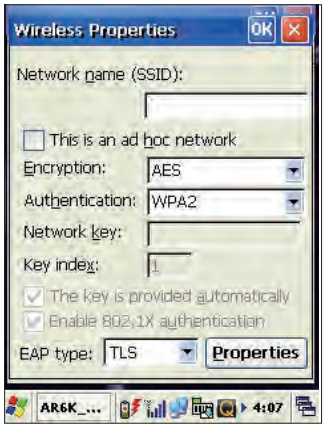
3 From the list of networks (Access Point device or Ad-hoc device), select one that you are using and press [Connect] to connect.(Network Key must be entered in case of secured wireless network).



5 Check if the network is connected correctly.

6 If the desired network is not available, use [Add New] for setup and connection. In case of [Add New], the network name must be entered.

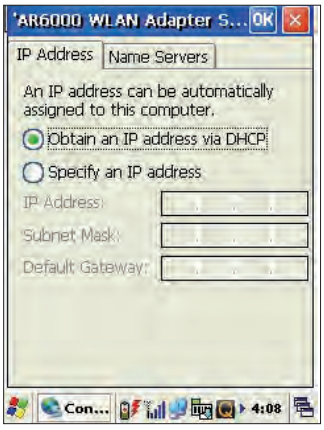


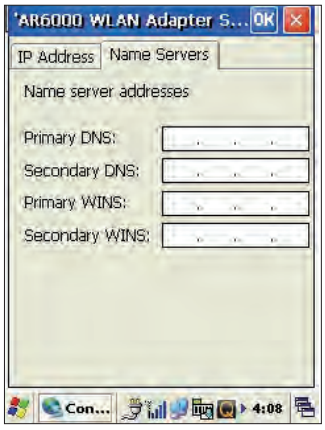


IP Setting

1 After turning Wi-Fi “On” from the [Wireless Setting], select [Start] > [Network and Dial-Up Connections], and click the icon as shown below (AR6K_SD1).

2 When the following screen appears, enter the IP addresses for Fixed IP Address, Subnet ask, and Name Server.

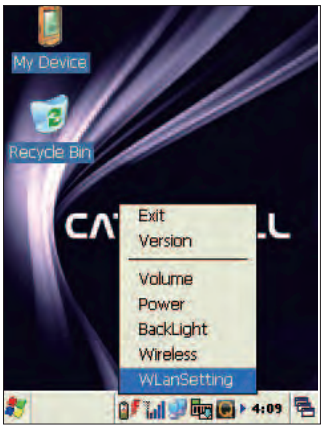




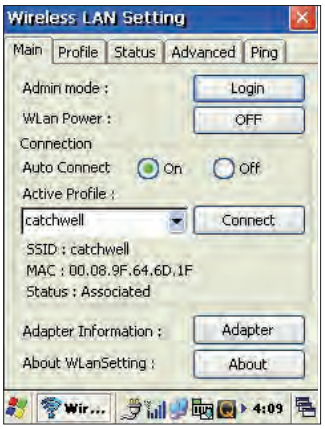
Wireless LAN Setting

Use the Wireless LAN application programs.

1 Select WLANSetting from 1 the QuickLauncher.



2 The following screen appears.

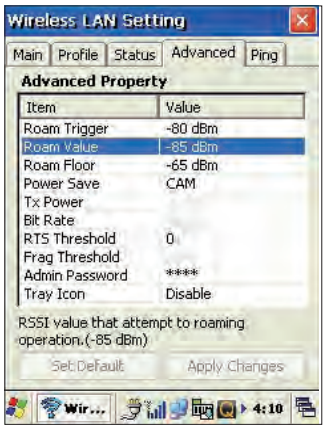


3 Checking available SSID, setting wireless LAN, checking signal strength, testing Ping, and checking wireless LAN information can be done.

- **Network Available List(SSID)**

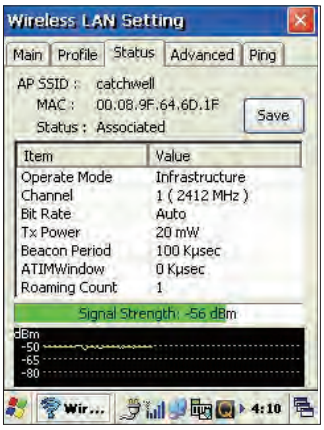
SSID(Service Set Identifier) It is the unique ID for packets exchanged through a wireless LAN. It identifies the wireless LAN from other ones.

- **Power Mode Setting**



There are three different options **No** : The power mode is not used. CAM(Constantly Awake Mode)
Normal : The power mode is used by default
Max : The value for the power mode is the maximum.

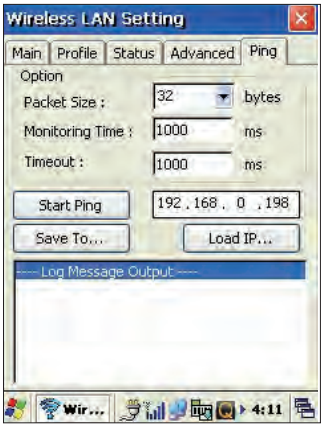
- **Signal Strength**



It displays the continuous type of graph for the signals of the connected AP.

Information
It displays the Mac address and then the roaming count in the parentheses.

- **PING**



It is the program used to check the network connection status.

- **WLAN INFO**

You can check the program version, driver version, and Mac address of the wireless LAN.

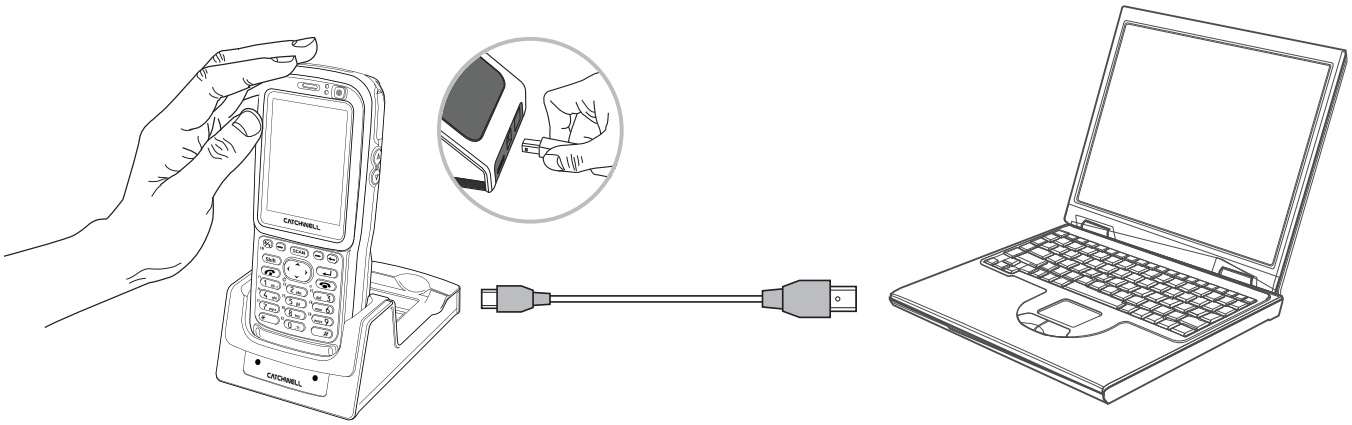
3 Connecting devices Using USB Cable

Connect PC to the device (It is recommended to install the ActiveSync program before connection).

Connecting PC through Cradle

1 Insert the device in the cradle.

2 Use the USB cable to connect between the USB port of your PC and the cradle.



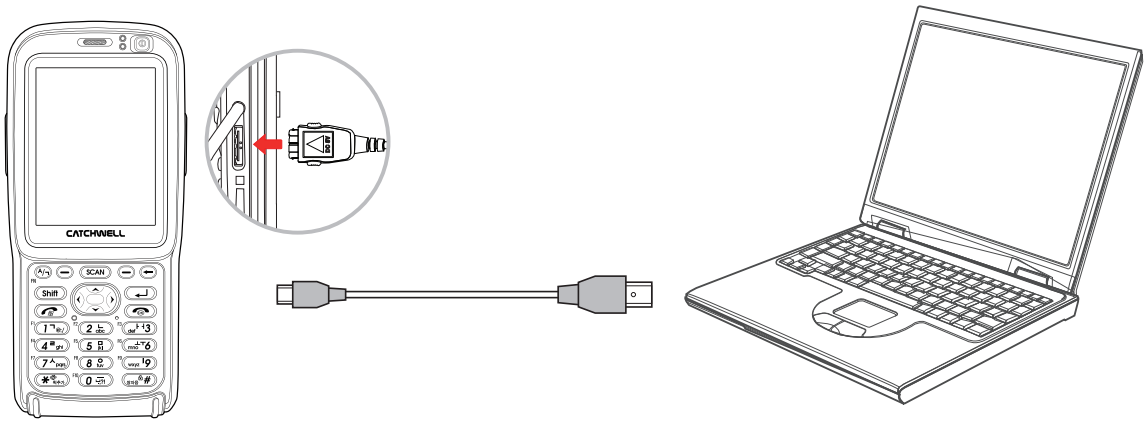
Note

- After connecting the USB cable, sending data and connecting to the Internet can be done.

Connecting PC with USB Cable Directly

1 Use the 24-pin USB cable for connection.

2 The device is automatically connected after automatic recognition.



Note

- The 24-pin USB cable needs to be purchased separately.

4 Communication with PC

Through the ActiveSync program, the data can be transferred between the device and PC.

* What is ActiveSync?

ActiveSync® is a communication program between PC and the device developed by Microsoft®, and it allows file transfer, deletion, content synchronization/modification, and other features.

If any other device is connected to your PC before installation, please remove them before installation process.

Note

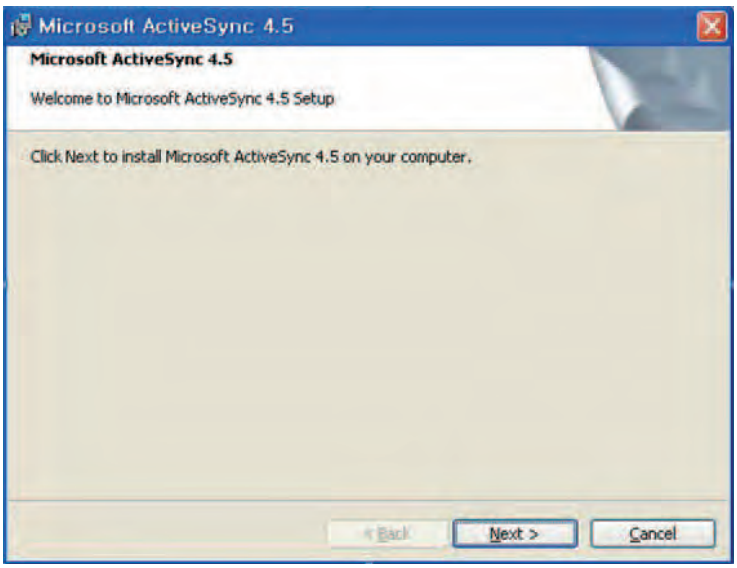
- Use either cradle or 24-pin USB cable for connection between the device and PC.

Installing ActiveSync® on PC

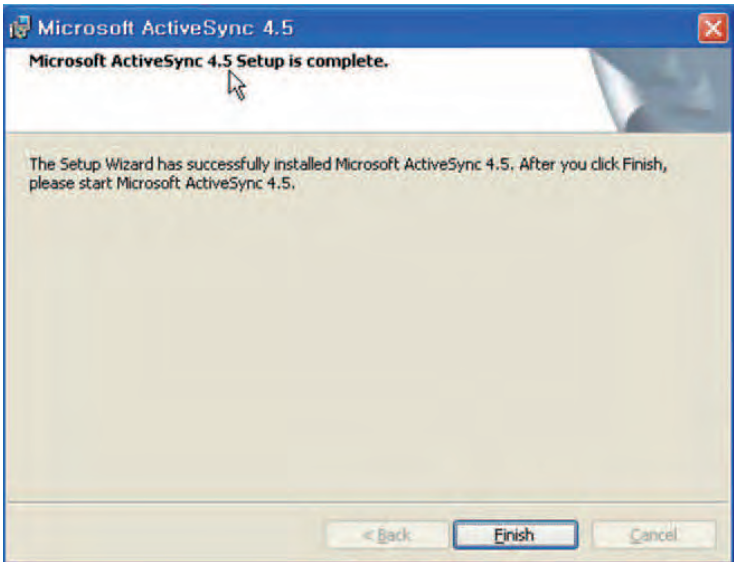
Use the provided CD or visit Microsoft® website (http://www.microsoft.com/downloads) to install ActiveSync program on your PC. It is recommended to install the latest version. If the PC has Microsoft® Windows Vista or the later version of Windows, instead of ActiveSync®, install Windows Mobile device Center® (http://www.microsoft.com/windowsmobile/ko-kr/help/v6-5/ Windows-Mobile-device-Center-touch.aspx).

1 Download the ActiveSync program on your PC (based on ActiveSync 4.5). When the following screen appears, click [Install].

2 Click the downloaded ActiveSync program to begin the installation process.



3 When the installation of ActiveSync is complete, the following screen appears.

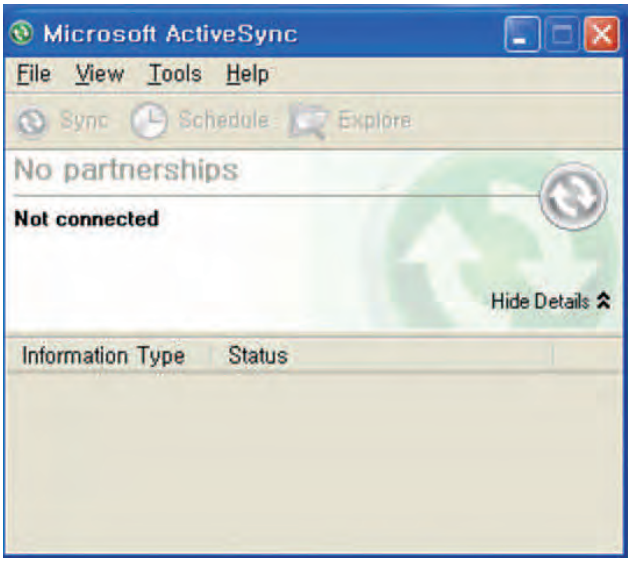


How to Set up a Partnership

For the PC with ActiveSync installed, Internet access or file transfer can be done through partnership.

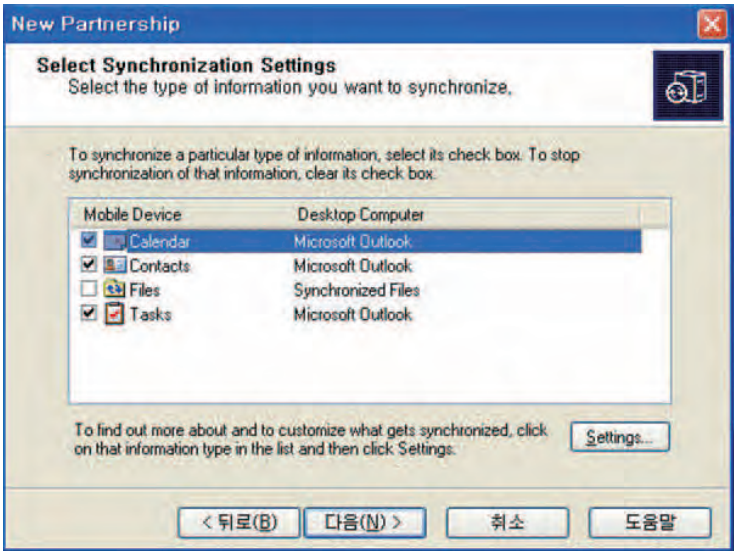
1 Connect the ActiveSync installed PC to the cradle using the USB cable.

2 The following screen appears when the device is inserted into the cradle.



3 If the connection is successful, the Set Up a Partnership screen appears. Select either Yes(Y) or No(N) then press [Next >].

4 If Yes(Y) is selected, the screen below appears. Check the items for synchronization and press [Next >].

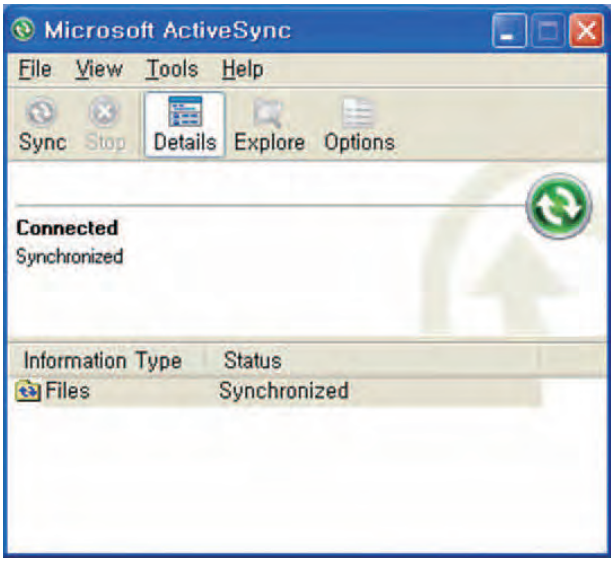


5 After synchronization, the Set up Complete screen appears as shown below. Press [Finish].

Note

- The mobile device are automatically installed on My Computer after first synchronization.

6 When synchronization is complete, the connection window appears.



Note

- After synchronization is established, the following tasks can be performed.
  1. Install a program for the work.
  2. Manage/Create backup for the work data.
  3. Manage the phonebook and other contact information.

5 GPS Communications

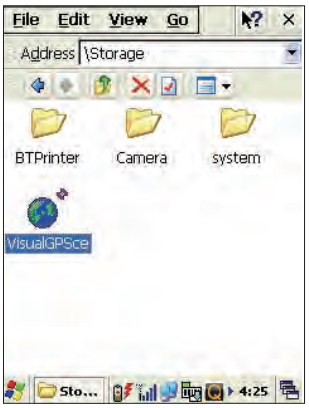
Use GPS (Built-in GPS is optional).

Note

- To use the Navigation function, the Navigation software needs to be installed separately. To purchase the software, contact your local distributor.

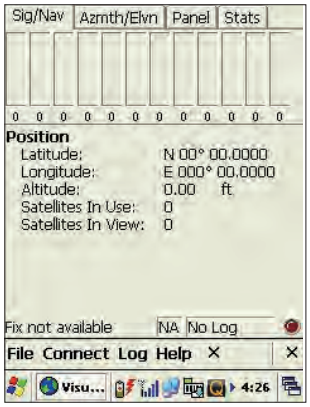
How to Set Up GPS

1 Select VisualGPSce from [Start] > [Programs] or [My device] > [Storage] > [GPS].

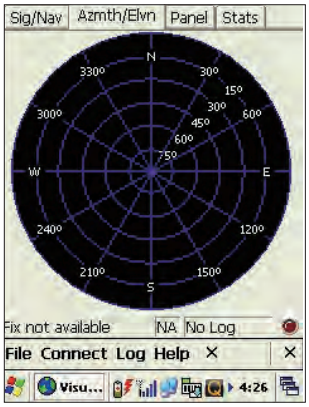


2 If the connection is good, the following screens appears with displaying the status of GPS.

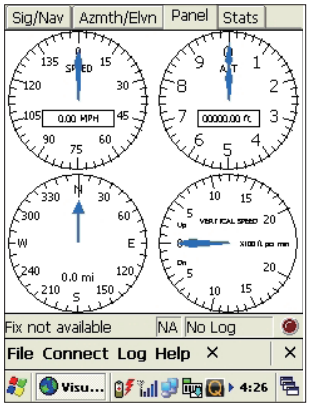
Strengths of each signal appear only when GPS signals are received properly. (In case proper signals are received: red light on the bottom disappears.)



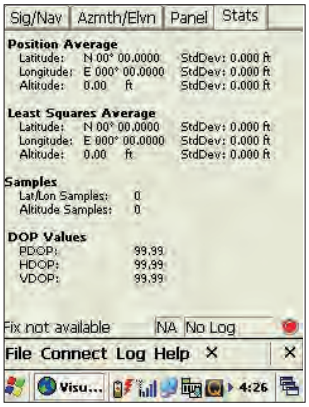
Satellites for each GPS signal appear.



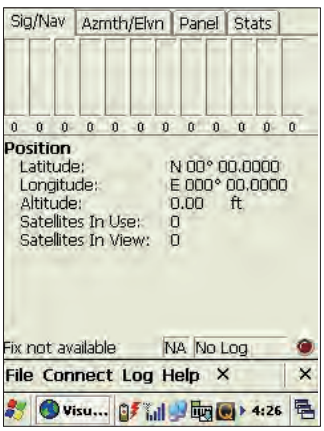
Information on speed, altitude, and others appears.



Statistical information of the position and DOP appears.



3 On the bottom menu, select Serial Port(Comm Port) to open the following screens.



- For built-in GPS: Set Port 1, 9600.
- For other Bluetooth GPS: Set Port 7, 9600
  (For more details, please refer to the GPS device manual)

Chapter 5 How to Use Scanner /Camera

Laser scanning (1D Scanner) ...67

Imager scanning (1D/2D Scanner) 68

Taking Picture..... 69

Recording Video..... 69

Digital Camera 69

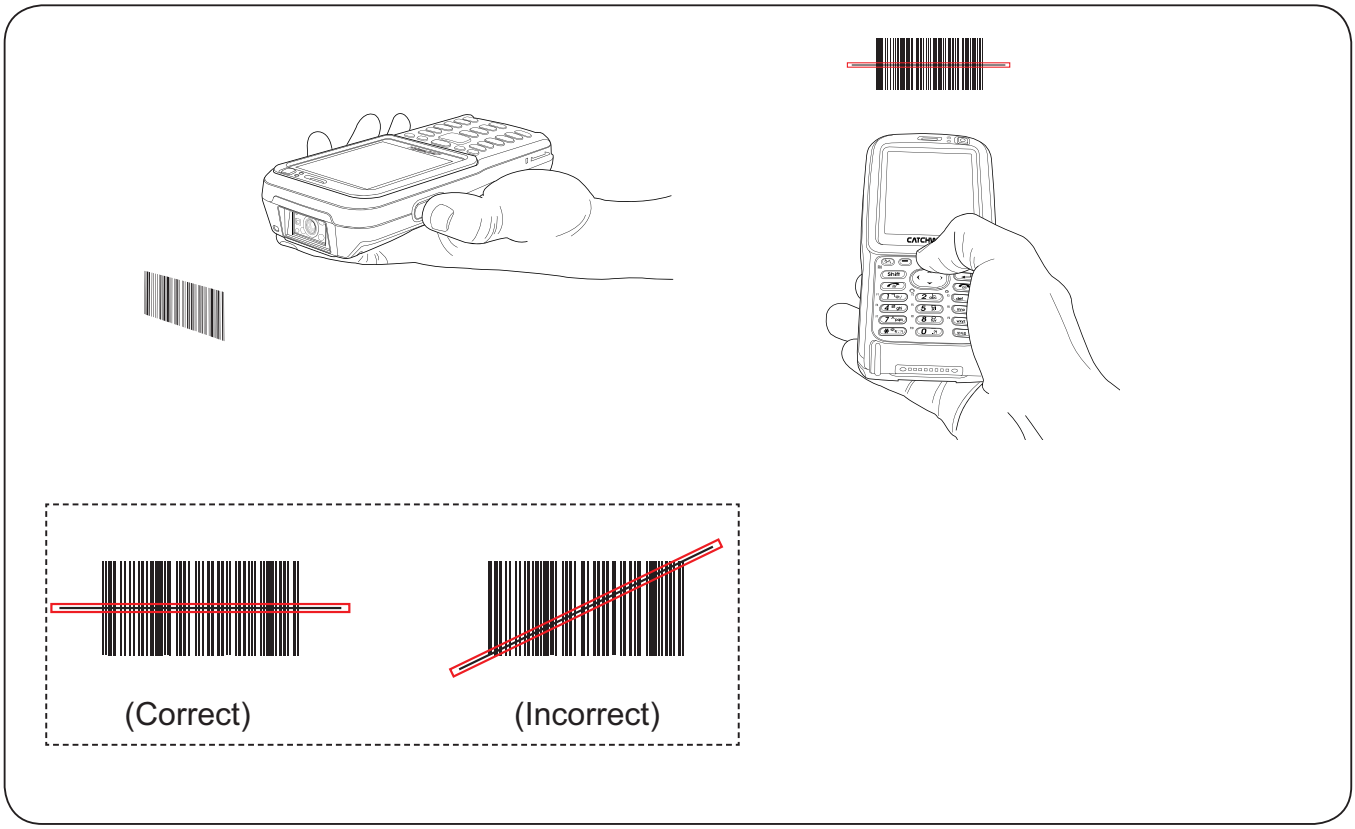
1 Laser scanning (1D Scanner)

Use the barcode scanner or take digital photos.

1 Click the barcode icon on the taskbar to open the menu.
(Show Barcode Info Mode, Tigger Off Mode)
- Show Barcode Info Mode : Shows the barcode type and the value.
- Tigger Off Mode : Stops barcode scanning.

2 Press the scan button (Orange button [SCAN] on the center of the keypad, or the button on the side of the device).

Scan method
- Laser beam is projected when the scan button is pressed.
- Align the horizontal laser beam with the center of the barcode.
- Keep a distance of approximately 10 cm from the barcode and at a horizontal level.
  (The effective distance may vary depending on the type and size of the barcode.)



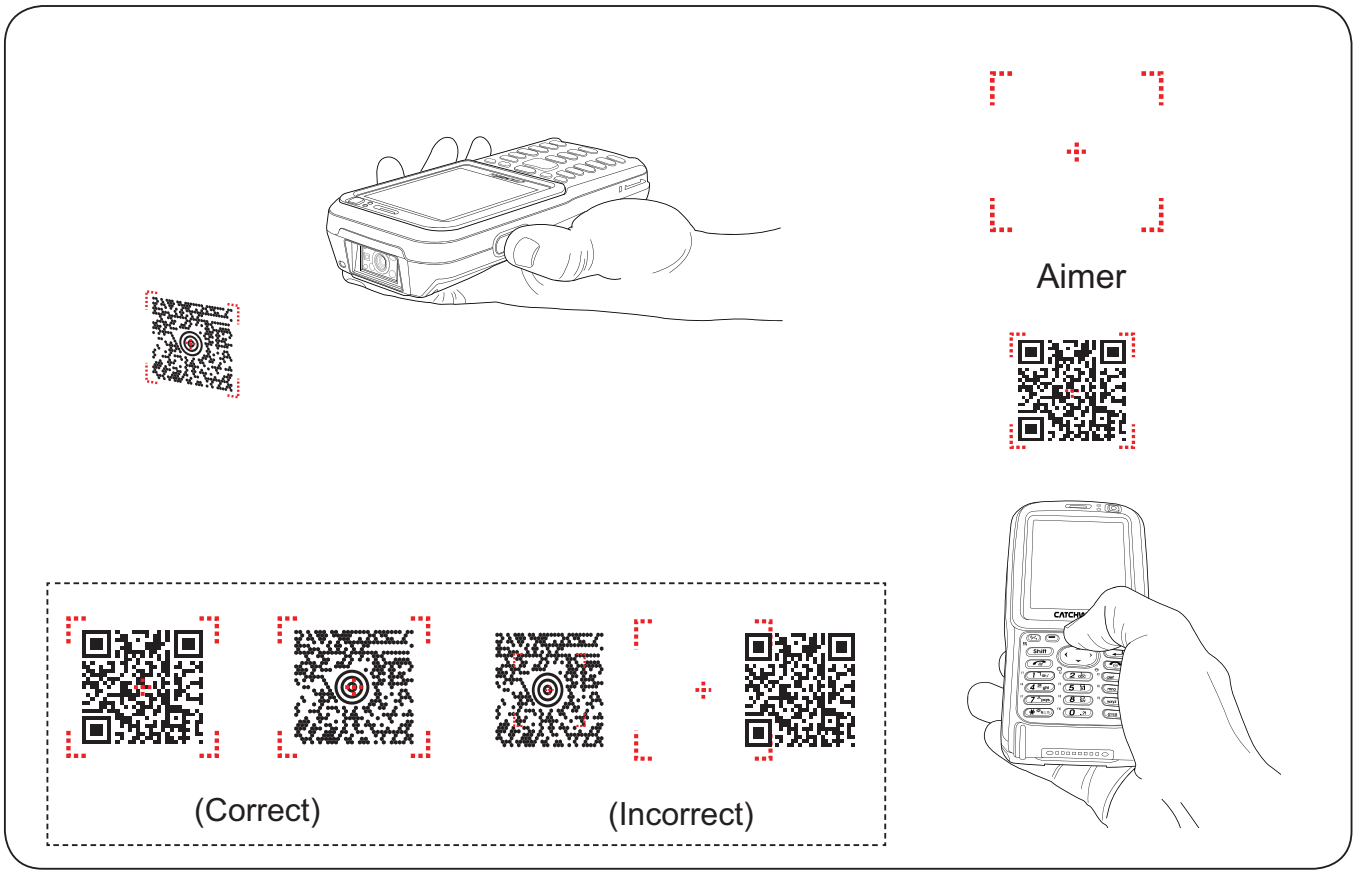
2 Imager scanning (1D/2D Scanner)

Scan 1D, 2D barcodes.

1 Click the barcode icon from the taskbar and select Scanning.
(Decode only, Image &Decode, MultiScan Mode)

2 Press the scan button (Orange button [SCAN] on the center of the keypad, or the button on the side of the device).

Scan method
- Aimer appears when the scan button is pressed.
- Align the center of the aimer with the barcode.
- Move the aimer to fit the barcode inside the square frame.
- Keep a distance of approximately 10 cm from the barcode and at a horizontal level.
  (The effective distance may vary depending on the type and size of the barcode.)

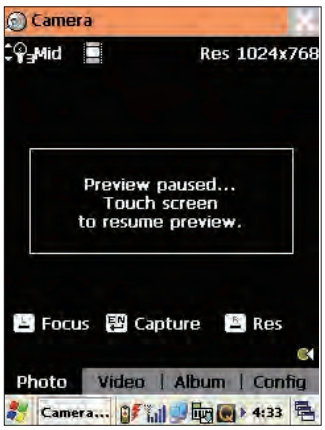


3 Digital Camera

Take pictures and record videos.

Taking Picture

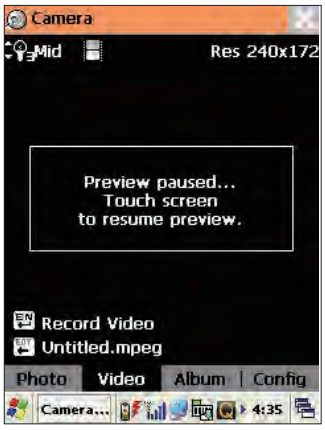
1 To take pictures, Select camera program (\Storage\camera). The screen below appears. Click the screen for preview.



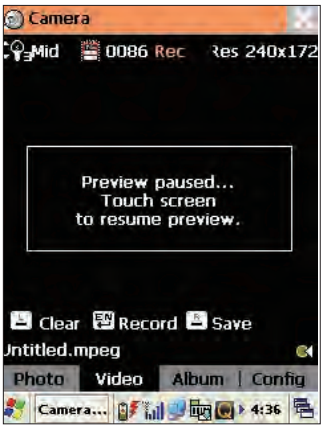
2 Set up Paths, Sound, Resolution and other options from Config tab and press the [EN] button to take a picture.

Recording Video

1 To record a video, select [Video] on the bottom of the screen.



2 Set up Paths, Sound, Resolution and other options from Config tab and press the Video tab. To record a video, press the [EN] button. While recording it, the recording time appears on the top.



Note

- Adjust the brightness in 5 level (1~5).
  Press [ ] to show focus while taking pictures.
  Supporting Resolutions are 640x480 / 800x600 / 1024x768 / 1600x1200 / 2048x1536.
  The flash light can be turned on or off while taking pictures.
  While using the flash function, press the [BKSP] button on the Numeric pad to make the function active or not.

Chapter 6 How to Use Applications

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How to Set Up Quick Launcher..... 75

1 Microsoft Word Pad

The device provides a basic writing program provided by Microsoft, and a document can be created using this program. User can select one of keyboard and transcriber for the input method. (The document created in your device can be uploaded to/downloaded from PC using MicrosoftActiveSync®).

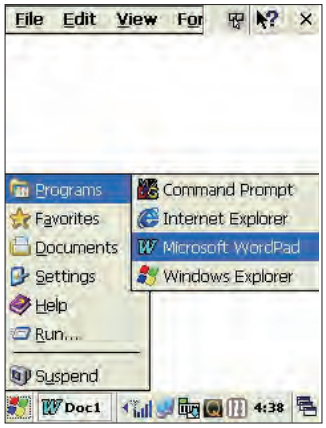
How to Use Keyboard

Use the virtual keyboard to create a document.

Note

Arrange of keys on the virtual keyboard may differ depending on the language setting or can be modified without notice.

1 Click the WordPad icon in the main screen or by selecting [Start] > [Programs] to open the program as shown below.



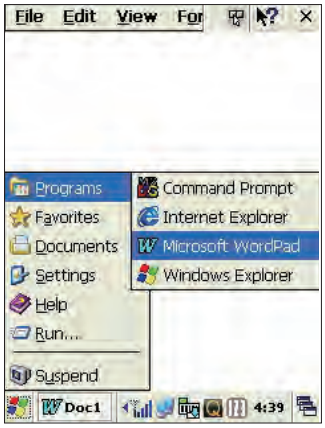
2 Click the [ ] icon in the taskbar to show the keyboard.

3 Adjust the location of the keyboard for convenience. Drag the keyboard to a different location using the stylus.

How to Use Transcriber

Use the stylus to write letters.

1 Click the WordPad icon in the main screen or by selecting [Start] > [Programs] to open the program as shown below:



2 Click and hold the [ ] icon on the task bar to open the keyboard menu and select Transcriber.

3 The input menu appears on the bottom of the screen. Use the stylus to write characters, and it is automatically recognized.(The character type can be selected from Input Character Type on the writing area.)

4 The position of writing can be moved in case of confusion. Drag the top of writing area to a different location using the stylus.

Note

- Write a letter at a time for better recognition when using the transcriber. If the letter is not written in cursive and written in a different writing style, or more than two letters are written at a time, the writing might not be recognized correctly. To change from Transcriber to Keyboard, in Step 2, select Keyboard.

2 Utility Manager

Configure the settings for the start program and Quick Launcher using Utility Manager.

Note

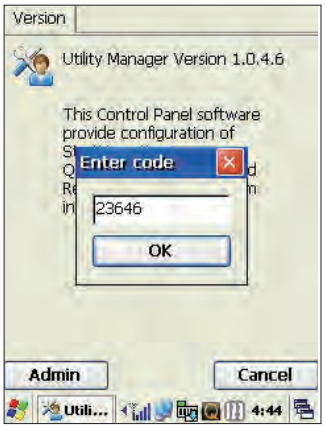
- Faulty configuration can lead to a system malfunction. Please configure it after consulting your system administrator.

Starting Utility Manager

Use the stylus to write letters.

1 Select [Start] > [Settings] > [Control Panel] > [Utility Manager].

2 Press the [Admin] button and enter the password (admin password is 23646).



How to Set Up Start Program

Set the files that start automatically when the device boots up.

1 Select the Startup tab from the Utility Manager.

2 Press Add to select a start program and enter Type, RunType, and Name, then press [OK].

Type	Description	Function
Type	System	System Program
	User	User Program
RunType	WarmBoot / ColdBoot	Start on Booting
	None	Do not Execute
Name		Program Name
Path		File Path
Option		Option Parameter
Description		User Description

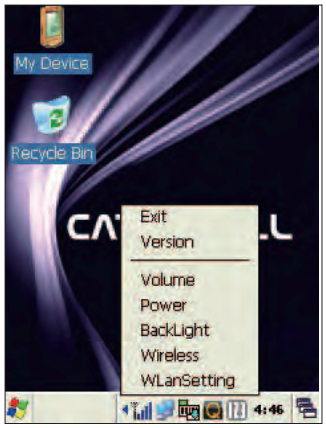
How to Set Up Quick Launcher

Configure the settings for Quick Launcher programs on the taskbar.

1 The Quick Launcher menu is changed after changing the configuration.

2 Click the desired program to change Name and Path, or press Add to add it on the list.

3 The Quick Launcher menu is changed after changing the configuration.



TroubleShooting

Case	Symptom	Solution
The system is not bootable.	No battery or discharged	Install a new battery or recharge the current battery.
	The reset is pressed.	Remove the battery and contact with the purchased site or manufacturer for services.
The device is frequently shut down.	The PDA is frequently switched to the sleep mode.	Select Start > Settings > Control Panel > Power and click the custom configuration tab to change the status change time.
The battery cannot be charged.	Battery damage or failure	Exchange batteries and then perform cold booting.
	The charge indicator (red) blinks and charging is not in progress.	The terminal is not properly placed in the cradle or a loose contact happens. Clean the connection area and try again. If the symptom persists, contact with the purchased site or manufacturer for services.
The screen does not appear.	The screen is dead.	Press the power button.
	The battery is discharged.	Recharge the battery and turn on the power. Otherwise, exchange batteries and try again.
The wireless LAN does not operate properly.	The wireless LAN is off.	Activate the wireless LAN by using the WirelessLanSetting program.
	The IP cannot be received.	Set the values for SSID and IP, and try again.
The touch screen does not work properly.	Cannot click buttons and icons.	Change the settings under Start > Settings > Control Panel > Stylus > Calibration.
“Insufficient memory to continue the execution of the program” appears.	So many application programs are running.	Terminate the programs that are not being used.
“Close a task window or increase the program memory.” appears.	Only one program is running.	Under My Computer > Control Panel > System > Memory, increase the program memory or delete unnecessary programs.
“Internal memory is full” appears.	So many files are resident in memory.	Move the PDA programs to your PC or delete some for free space.
	Memory setting problem	Change the memory allocation size. Change the memory allocation setting under Start > Settings > Control Panel > System > Memory.
	So many application programs are installed.	Select the programs to delete under Start > Settings > Control Panel > Add/remove Programs and press the Delete key.
After scanning, data entry is not made.	The scan window is dirty or impaired	Clean the scan window or replace it.
	No scanning program icon	Restart the scanning program by performing reset.
ActiveSync does not work properly.	There is no connection sign displayed even though connected.	Remove your PDA from the cradle, reinstall ActiveSync, and try to connect it.
	ActiveSync is not installed.	Install the newest version of the program after downloading it from the Microsoft website.
	The program cannot be installed under Windows 7.	Install the program after downloading it from the Windows Mobile Device Center in the Microsoft website.

No sound is heard.	**The volume is too low or no sound is heard.**	Adjust the volume slider up or down under Start > Settings > Control Panel > Sounds and Audio Devices. Deselect Mute if selected. If the symptom persists, contact with the purchased site or manufacturer for services.
	The speaker is clogged by foreign materials.	Remove foreign materials from the speaker.
A fluid flowed into the terminal.		Promply remove the battery and contact with the purchased site or manufacturer for services.
The screen is stopped and no operation is allowed.	**The program is stopped.**	Press the reset. If the symptom persists, contact with the purchased site or manufacturer for services.
No connection to the PC through the USB cable	**No connection**	Check whether your computer and the device are all On.
	In case of using the USB hub	Check the USB cable connection status. When connecting between the device and PC through the USB cable, do not use the USB hub but connect them directly.
	Setting problem	Under Control Panel > PC Connection, check whether “Enable direct connection to the desktop computer” is checked.

FCC compliance information

This device complies with Part 15 of 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.

Information to User

For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:NOTE: This equipment has been tested and found to comply with the limits fora Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits aredesigned to provide reasonable protection against harmful interference whenthe equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- The user who makes changes or modifications to the unit without the express approval by the manufacturer will void user authority to operate the equipment.

Body worm operation

This device was tested for typical body-worn operations with the back of the phone kept 20 mm. from the body. To maintain compliance with FCC RF exposure requirements, use only belt-clips, holsters or similar accessories that maintain a 20 mm. separation distance between the user's body and the back of the phone, including the antenna. The use of belt-clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

SAR INFORMATION

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health. The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *

Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output. Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is **0.632 W/Kg** and when worn on the body , as described in this user guide, is **0.254 W/Kg**. (Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure. The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/ oet/ fccid after searching on **FCC ID: ZP4CW20**.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Asso-ciation (CTIA) web-site at http://www.wow-com.com. * In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a sub-stantial margin of safety to give additional protection for the public and to account for any variations in measurements.

LIMITED WARRANTY

CATCHWELL, Inc. ("CATCHWELL") warrants to the original end user purchaser ("You") that for the Warranty Period listed below, the Product (excluding any third party software) will be free of defects in materials and workmanship under normal use.

You must have proof of purchase before returning defective products to CATCHWELL. Returned products must be shipped prepaid and packaged appropriately to prevent any damage in transit, and it is recommended that the package should be insured or sent by a carrier who provides a tracking number of the package. CATCHWELL is not responsible for any Product that is lost or damaged in transit. If CATCHWELL ships a replacement product to you before receiving the original product and you fail to return the original product to CATCHWELL within thirty (30) days from the date the warranty service authorization is issued, CATCHWELL will charge you the current manufacturer's suggested retail price of such product.

Your exclusive remedy and CATCHWELL's entire liability under this warranty will be for CATCHWELL at its option to repair or replace the Product or refund your purchase price less any rebates. CATCHWELL does not warrant against loss of any data or images (including data stored on Product returned to CATCHWELL for service), and assumes no liability for such loss.

ALL IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, SATISFACTORY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THE APPLICABLE EXPRESS WARRANTY. ALL OTHER EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF NON-INFRINGEMENT, ARE DISCLAIMED TO THE FULLEST EXTENT PERMITTED BY LAW.

There are inherent risks associated with any biometric sensor technology and security safeguard, including encryption technology, and biometric sensors and security safeguards, by their nature, are capable of circumvention. CATCHWELL cannot, and does not, guarantee that your data will not be accessed by unauthorized persons, and CATCHWELL disclaims any warranties to that effect to the fullest extent permitted by law. You should not use this product to protect sensitive data such as financial information or for accessing corporate networks.

Some jurisdictions do not allow limitations on how long an implied warranty lasts or at all, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary by jurisdiction. This limitation does not affect your statutory rights.

All third party software provided with the Product is provided "AS IS". You assume the entire risk as to the quality, performance, accuracy and effect of such software, and should it prove defective, you, and not CATCHWELL, assume the entire cost of all necessary servicing or repair.

TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL CATCHWELL BE LIABLE FOR ANY LOST IMAGES, DATA, REVENUE OR PROFIT, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES, HOWEVER CAUSED REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF OR RELATED TO THE USE OF OR INABILITY TO USE THE PRODUCT, EVEN IF CATCHWELL HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL CATCHWELL'S LIABILITY EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT.

The foregoing limitations will apply even if any warranty or remedy provided under this Agreement fails of its essential purpose.

Product	Warranty Period
CATCHWELL CW20 / CW30 : Handheld Mobile Computer	15 month from the manufactured date

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