

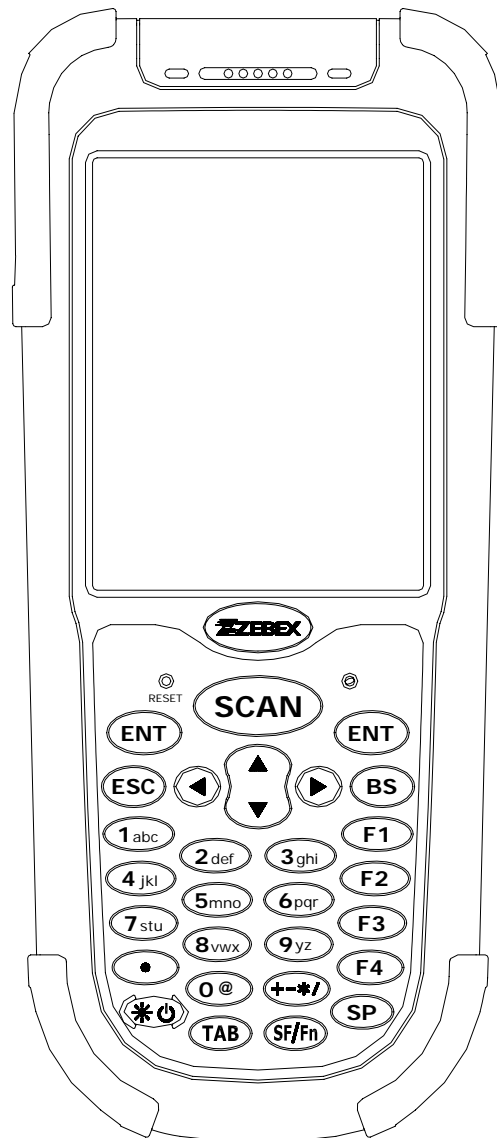


Handheld Computer

Z-2060 series

(Version 2.00)

User's Manual



ZEBEX INDUSTRIES INC.
WWW.ZEBEX.COM

Editorial Record

Version	Date of edited	Page	Content
Ver 2.00	2009/3/2	9	Revise the picture of Package contents
Ver 2.00	2009/3/2	10	Revise the picture of Cradle Package
Ver 2.00	2009/3/2	11,12	Revise the picture Purchaseable accessories
Ver 2.00	2009/3/2	26~52	Adding the instruction of Using PowerPack
Ver 2.00	2009/3/2	53~56	Adding the picture of How to order

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Preface

About This Manual

Thank you for your purchase of the ZEBEX Z-2060 series handheld computer. ZEBEX Z-2060 series product is at the forefront of handheld computer technology, and this manual will provide the necessary information on the many and varied options available to you.

The Z-2060 series product is a compact, ergonomic and durable handheld computer. It is designed with an integrated 802.11b/g wireless communication, 1D/2D barcode scanner, touch screen and 29-keys keypad. The design is complies with IP64 regulations and ideal for the mobile worker as it simple and easy to use anywhere along a supply chain.

Symbols used in this manual



A triangular shape indicates you should exercise caution.



A circle shape indicates something you should not do.



A black circle indicates something you must to do.



A note symbol indicates you the information that is important and you should be observed.

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Safety Information

Your safety is of the utmost importance so please observe and follow the following guidelines that allow you to use the scanner in a safe and responsible way.

Laser Safety

The Z-2060 series handheld computer complies with safety standard IEC825-1(1993) for a Class 2 laser product. It also complies with U.S.21CFR1040 as applicable to a Class II laser product. Avoid staring at direct laser light as the laser beam may hurt your eyes.



LASER BEAM

Never look directly into the laser beam. Doing so can cause serious eye damage.

Safety Operation

WARNING



Disassembly and Modification

Never try to disassemble or modify the device in any way. All servicing should be carried out by qualified Zebex personnel or Zebex- approved engineers.



Interior Parts and Components

Never touch interior high voltage parts or components. Doing so creates the danger of electrical shock.



Drop and Knock the Device

Be careful when using the device; do not drop or knock the device as irreversible damage to the unit may occur.



Extreme temperature

Do not operate the device under extreme temperature.



Battery and Charger

The use of third-party battery or charger may either damage the device or shorten the life of the device.

CAUTION



Dropping and Damage

Should the drop the device and damage it, immediately turn off the power and contact your original dealer or an authorized ZEBEX service provider. Continued use creates the danger of fire and electrical shock.



Abnormal Conditions

Should the device become hot or start to emit smoke or an original dealer or an authorized ZEBEX service provider. Continued use creates the danger of fire and electrical shock.



Foreign Objects

Should any foreign matter ever get into the device, immediately turn off the power and contact your original dealer or an authorized ZEBEX service provider. Continued use creates the danger of fire and electrical shock.



Moisture

Keep the device away from vases, planters, cups, glasses and other containers of liquid. Also keep it away from metal. Water and metal getting into the device creates the danger of fire and electrical shock.

Federal Communication Commission (FCC) Statement

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in the accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

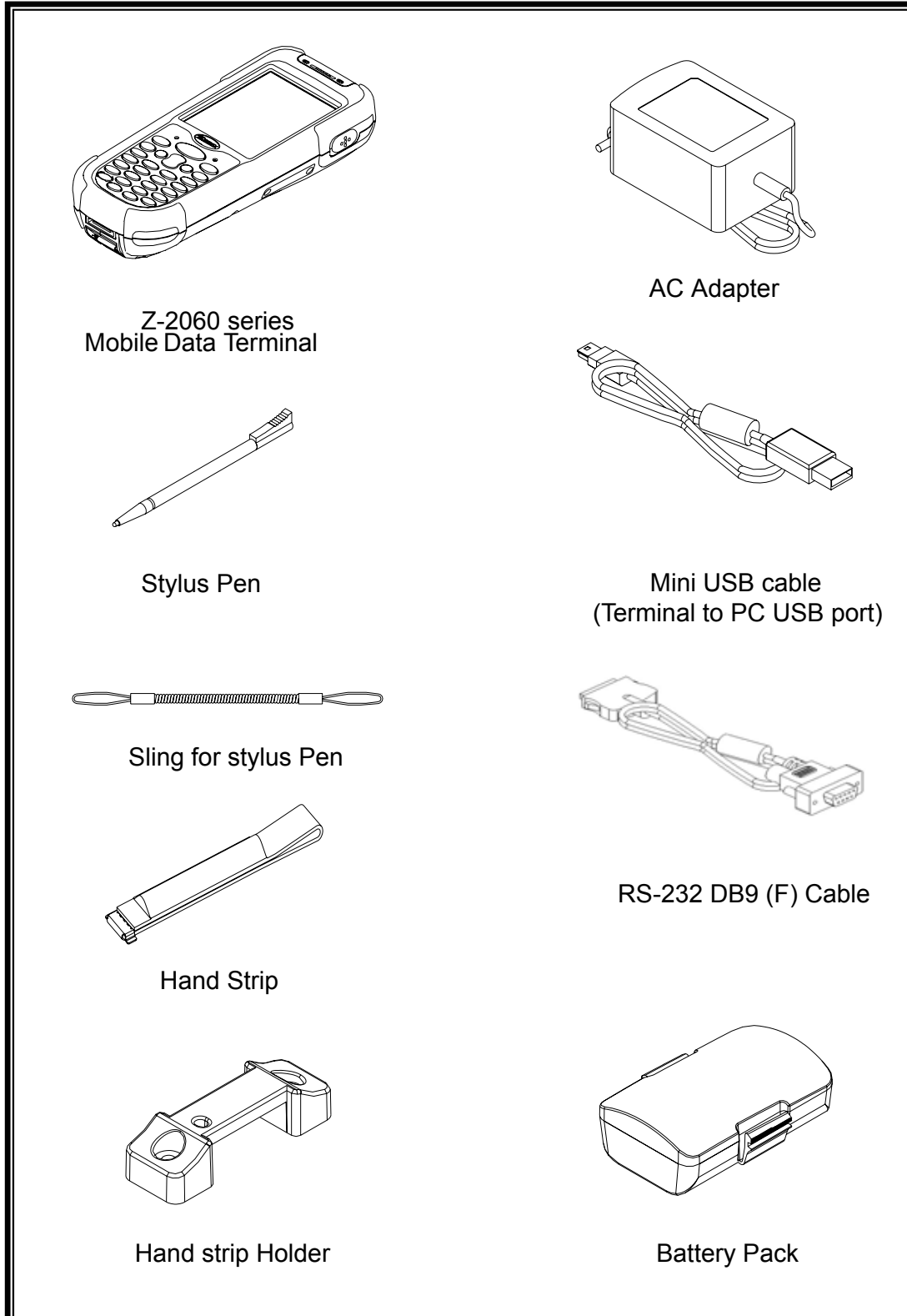
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

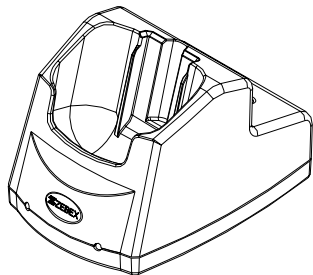
Unpacking

Package Contents

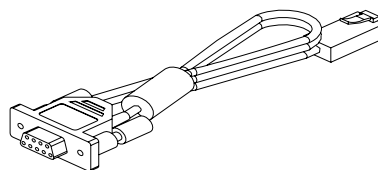


Optional Parts

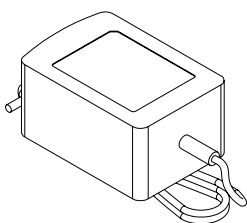
Cradle package



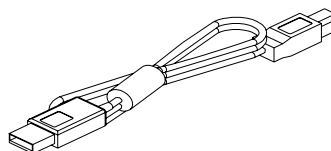
Docking Cradle



RS232 cable

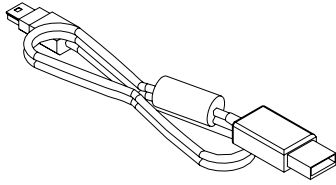


AC Adapter

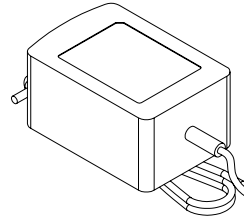


USB cable
(Cradle to USB)

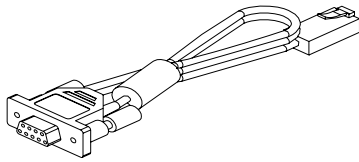
Purchaseable Accessories



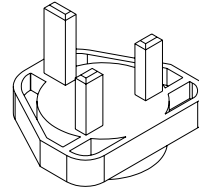
Mini USB Cable



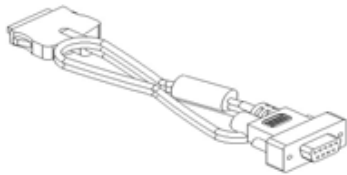
AC Adapter



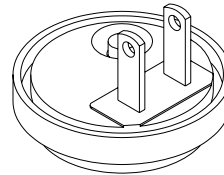
RS232 Cable



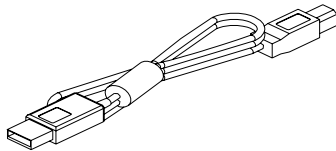
Britain Plug head



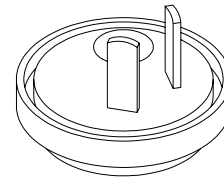
RS-232 DB9 (F) Cable



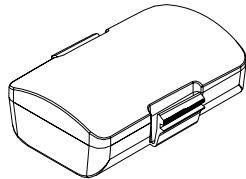
U.S. Plug head



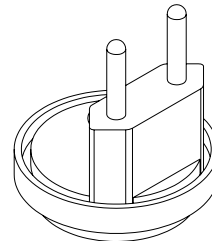
USB cable (Cradle to USB)



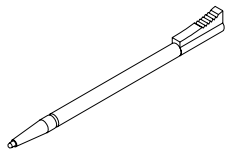
Australia Plug head



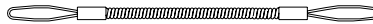
Battery Pack



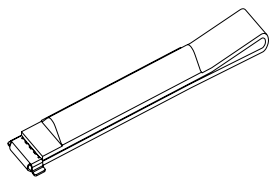
Europe Plug head



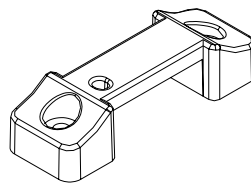
Stylus Pen



Sling for stylus Pen

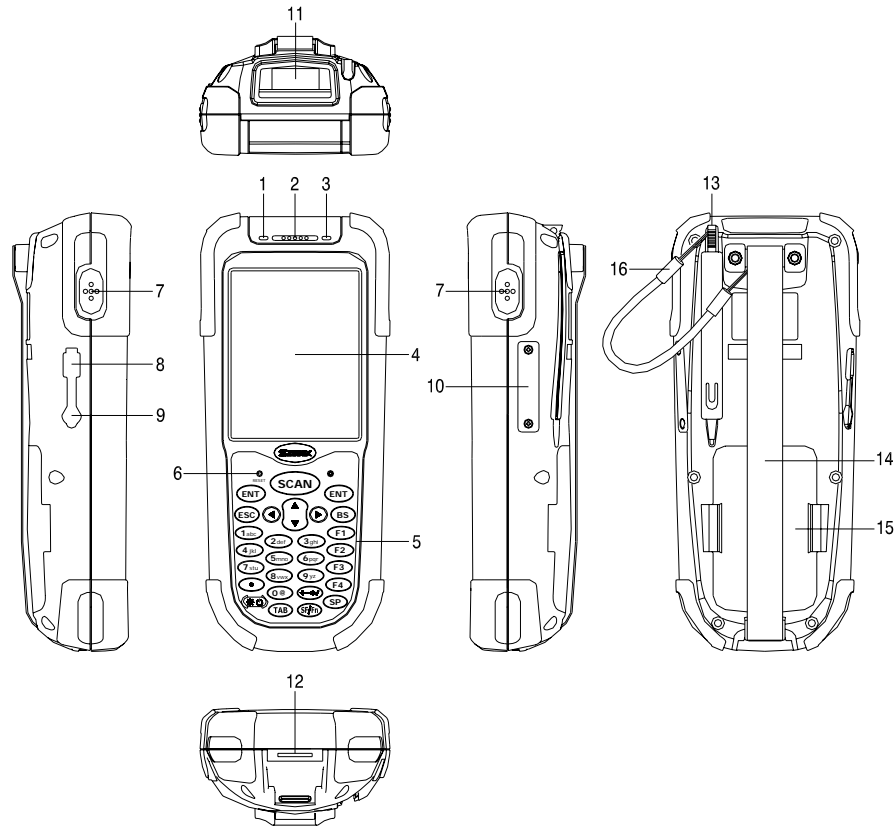


Hand Strip

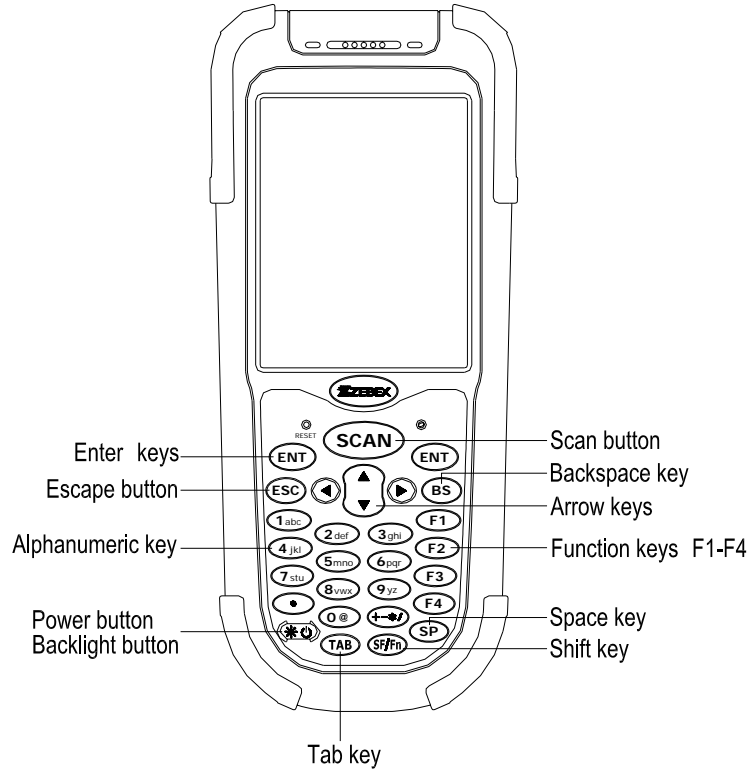



Hand strip Holder

General Guide



1	LED indicator	Indicates the status of read bar code or battery charge : Green for successful read barcode or full charge of battery. Red for battery just on charging.
2	Buzzer	Outputs operation confirmation tones.
3	LED indicator for WI-FI	Flashes in red when operating via WLAN communication
4	LCD screen	Display various data when a program is being run.
5	Stroke keys	A total of 29 keys are provided to turn power ON or OFF and other operations.
6	Reset switch (inside the hole)	Use reset needle (take off the other side of stylus pen cover) to press the RESET switch located inside the hole.
7	Scan button	For Barcode reading.
8	Mini USB port	This port is for USB communication with PC.
9	Ear Jack	Listens to the voice.
10	Mini SD I/O card slot	Install the Mini SD I/O card
11	Scan windows	Emits a laser for bar code reading.
12	RS-232 port	This port is for RS-232 communication with PC
13	Stylus pen	For touch screen operation and press RESET switch.
14	Hand strip	Protects the Handheld Terminal to drop.
15	Battery	Main battery
16	Sling	Sling for stylus pen

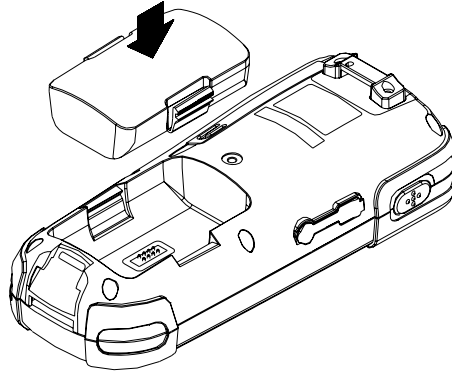


Arrow	Arrow keys	Press these to move around the screen.
ENT	Enter key	Press to confirm entries or commands.
0-9	Alphanumeric keypad	Press to enter numerical or alphabetical data.
F1-F4	Function keys	Press to access function keys 1-4.
BS	Backspace key	Press to move cursor and deletes the previous character each time.
	Power/Backlight on key	<ol style="list-style-type: none"> 1. Press to turn the power on. 2. Press more then 3 seconds for turn the terminal power off and go into the suspend mode. 3. Press to turn the LCD backlight on when it is off.
ESC	Escape key	Press to perform a cancel action.
SCAN	Scan key	Press and hold to scan a barcode.
SF/Fn	Shift key	<p>The key is used in combination with other keys to type special characters or perform other function keys.</p> <ol style="list-style-type: none"> 1. Press after SF/Fn key and press Up key to turn the input method into upper alphabetical. 2. Press after SF/Fn key and press Down key to turn the input method into lower alphabetical. 3. Press after SF/Fn key and press Left or Right key to turn the input method into numerical. 4. Press after SF/Fn key and press F1-F4 key to perform F5 - F8 key.
TAB	Tab key	Press to add a tab indentation.
SP	Space key	Press to add a space character.

Getting Started

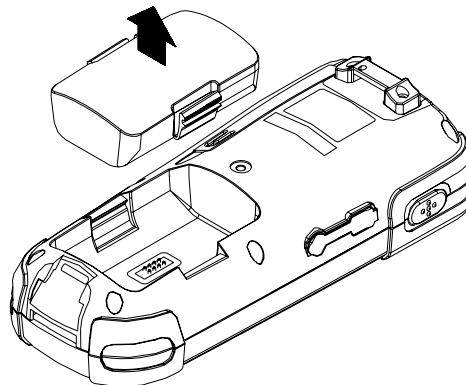
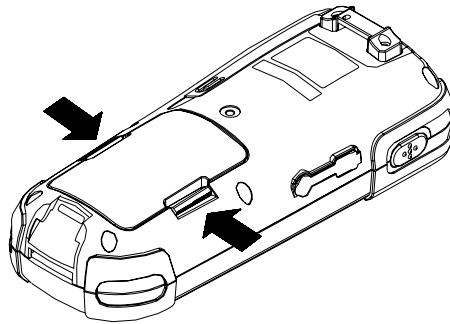
Inserting the Battery

Insert the battery pack as shown and watch the battery direction..



Remove the Battery

Push the side lock to pick up the battery pack.

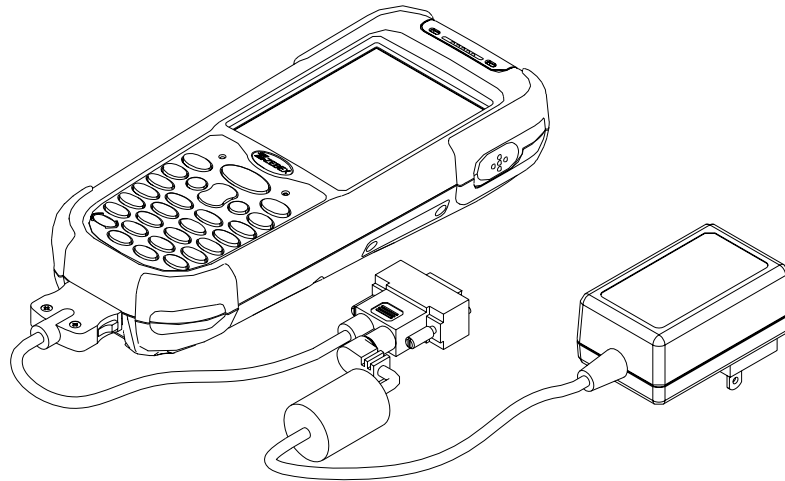


Charging the Battery

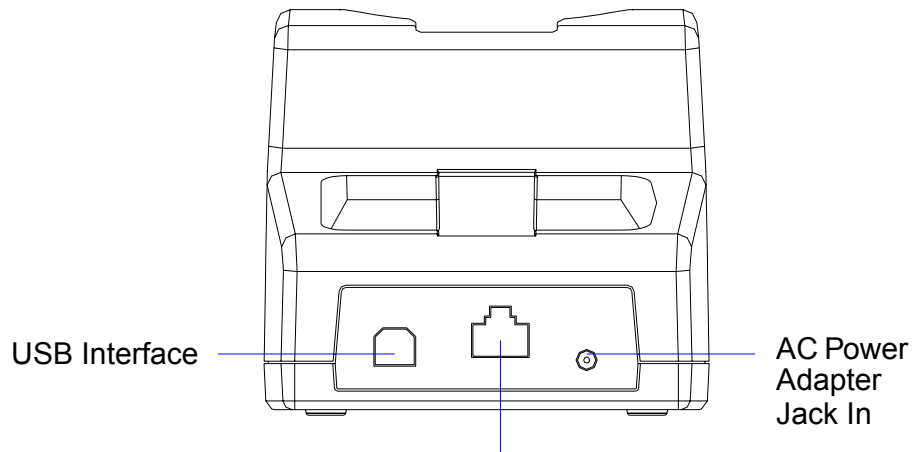
The Li-ion rechargeable battery can be charged while inserted in the device itself or independently via the recharging slot at the back of the cradle.

Charging by cable

Connect the charging cable and AC adaptor as shown.

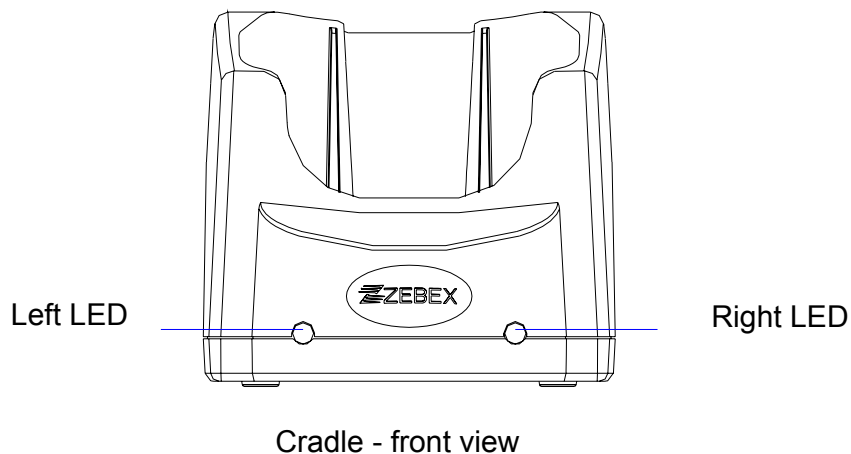


Charging by cradle



RS232/COM port Interface

Cradle - rear view



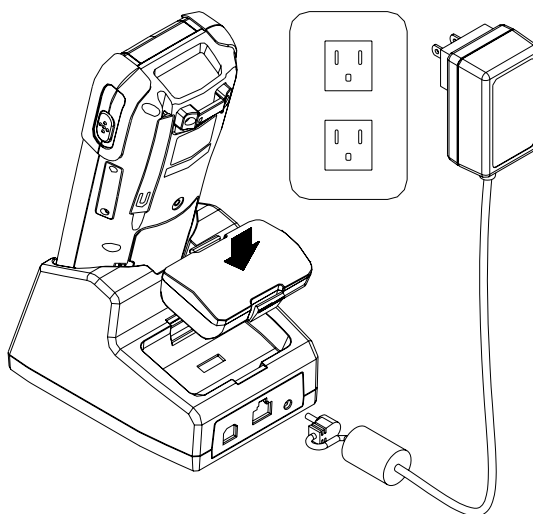
Cradle LEDs

Left LED - The LED lit when a battery is inserted into the rear battery slot of the cradle for recharge. It remains lit until the charge is complete.

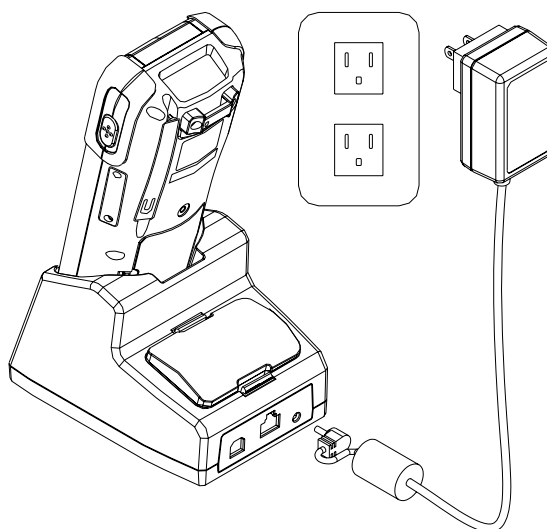
Right LED - The LED lit when the cradle is connected to AC power.

Charging the battery separately in the cradle

Insert the battery into the compartment at the rear of the cradle.



Connect the power jack to the cradle and plug AC adapter into the socket.



NOTES

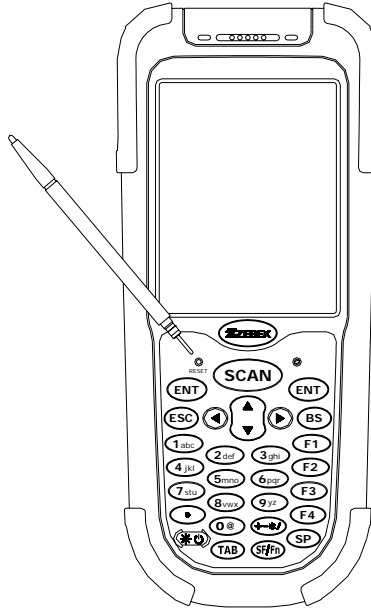
When charging the battery for the first time, charge for at least 12 hours prior to use.

System Reset

Using the Warm reset function

Warm reset function allows you to return the device to the default settings, while not wiping all data from the memory.

Insert the needle into the reset hole as shown and press down gently, to reset the device.



Using the Cold reset function

Cold reset function allows you to return the device to the factory settings, while wiping all data from the memory.

Press down and hold the power key and Insert the needle into the reset hole to cold reset the device.



WARNING

Cold reset will erase ALL pre-configured data on the scanner. Check carefully to make sure you have uploaded all important files to your PC before proceeding with the reset.

PC System Requirements

Windows XP Operating System
64 MB RAM
50 MB free HDD space
Interface : USB / RS-232 ports
WLAN transmitter (optional)
Bluetooth transmitter/receiver (optional)

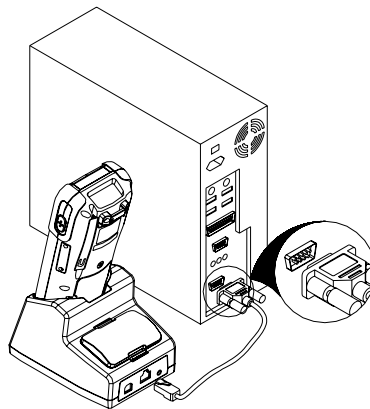
Connecting To a PC

In order to use the software supplied with the Z-2060, the mobile data terminal must be connected to a PC.

Connecting via the RS232

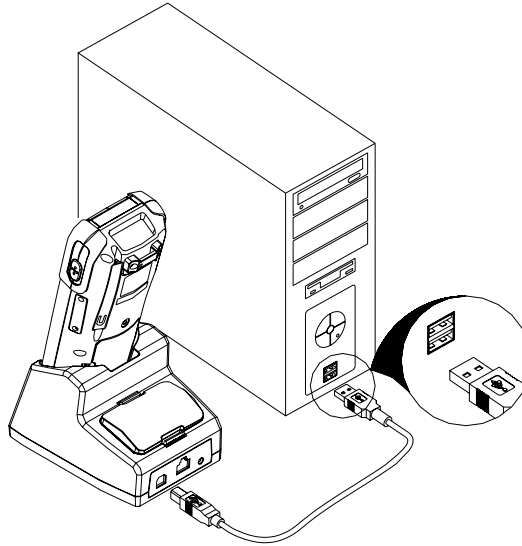
In order for the sync software to work properly, the cradle must be connected to your computer's COM port. Attach one end of the RS232 cable to the RS232/COM interface connector on the cradle and the other to the COM1 port on your PC.

1. Or can use attach one RS-232 cable to connect with your computer's COM port directly.



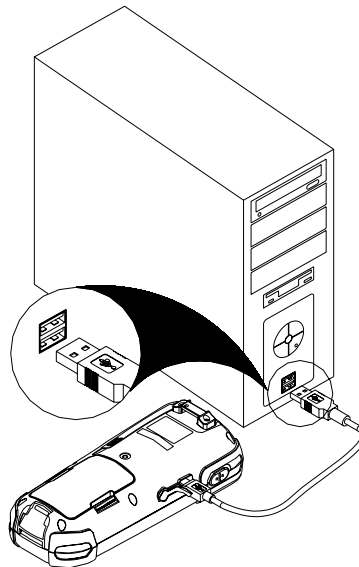
Connecting via USB Cradle

The cradle must also be connected via one of your PC's USB ports. Attach one end of the cable to the USB interface on the cradle and the other to your PC.



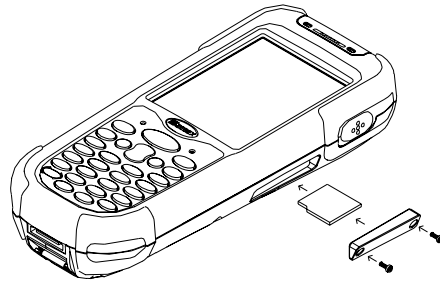
Connecting the Z-2060 directly via Mini USB

You can connect the Z-2060 directly to your PC, without the need for the cradle, using the Mini USB cable, attaching it to the port on the left hand side of the device.



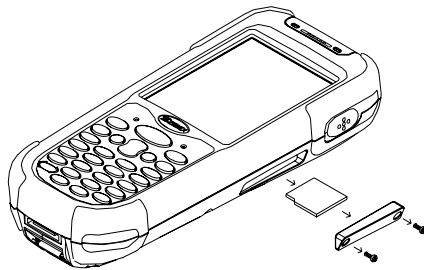
Inserting SD Card

1. Make sure the power is turn off.
2. Open the SD Slot cover as shown, Insert the SD card.
3. Close the SD slot Cover.



Remove the SD Card

1. Make sure the power is turn off.
2. Open the SD Slot cover as shown, Take off the SD card.
3. Closed the SD slot cover.



About The Product

The Z-2060 is a compact, ergonomic and durable portable data terminal. It is designed with an integrated wireless communication and 1D/2D barcode data capture touch screen and 29-key keypad. The design is ideal for the mobile worker as it simple and easy to use anywhere along a supply chain. It complies with IP64 regulations, and also supports the WLAN communication model by Z-2060WL.

The Z-2060 features a Intel PXA-270 processor (520MHz) and Windows CE.NET version 5.0 operation system. This combination delivers high performance, low power consumption and the diversity of a wireless networking platform. Compared with other systems currently available on the market, Z-2060 is the most cost-effective to offering optimum performance.

Prerequisites

Skills Required

The following skills are required by developers aiming to develop application software for the ZEBEX Z-2060 series.

- Windows programming
- Good knowledge of one or more of the following:
 - * Visual C++
 - * Visual Basic .NET
 - * Visual studio .NET
 - * Visual C#
 - * Active Server Pages and web programming

The following skills or experiences are also desirable.

- Windows CE devices
- ActiveSync
- Something networking experience.

Hardware Required

The following models of the ZEBEX Z-2060 series and the dedicated options are available.

Available models and the features:

Model name	Barcode scanner	Bluetooth	IEEE802.11b/g
Z-2060BA	1D Laser scanner	No	No
Z-2060WL	1D Laser scanner	Integrated	Integrated
Z-2062BA	2D image scanner	No	No
Z-2062WL	2D image scanner	Integrated	Integrated

Specifications

Model	Z-2060 series
System	
CPU	Inter PXA 270 processor (Max. 520MHz)
RAM	128 Mbyte
F-ROM	64 Mbyte
LCD Display	3.5", QVGA 240 X 320 TFT color panel with touch screen
Operating System	Microsoft Windows CE.NET 5.0
Power Management	
Main Battery	3.7V5,000mAH Li-ion rechargeable battery
3.7V 2,200 mAH Li-ion rechargeable	3.7V, 120mAH, Li-Poly rechargeable battery
Battery Life	8 hours (without wireless communication activated)
Scanning Performance	
Scan Engine	Symbol SE-955 1D laser engine Symbol SE-4400 2D image engine (optional)
Light Source	650 nm visible Laser Diode
Scan Rate	100 scans per second
Print Contrast	30% @ UPC/EAN 100%
Decoding Capability	
Barcode Symbologies	UPC/ EAN/ JAN, Code 128/EAN 128, Code 39, Code 93, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI/Plessey
Card Slots	1 x Mini SD I/O card
Communications / Interfaces	
Bluetooth	Bluetooth Class 2
IrDA	Standard IrDA 1.3
USB	USB 2.0
RS-232	Programmable up to 115,200 bps
WLAN	802.11b/g (optional)
Dimensions	190.5 mm (L) x82..8 mm (W) x 50.5 mm (H)
Weight	Approx. 480 g (battery included)
Environmental	
Operating Temp.	0°C ~ 50°C
Storage Temp	-10°C ~ 60°C
Operating Humidity	10% ~ 70% (non-condensing)
Storage Humidity	5% ~ 70% (non-condensing)
Drop Durability	Withstand 1.2m (4 feet) drop to concrete
Environmental Sealing	IP64 rated sealing
Regulatory Approvals	CE & FCC Part 15B, 15 C,CE RF,LVD,ESD
Cradle	Single slot USB / RS-232 charging cradle with spare battery slot
Software &Development	Microsoft VC 6.0 development environment Supports SDK for program development

Using Barcode Scanner

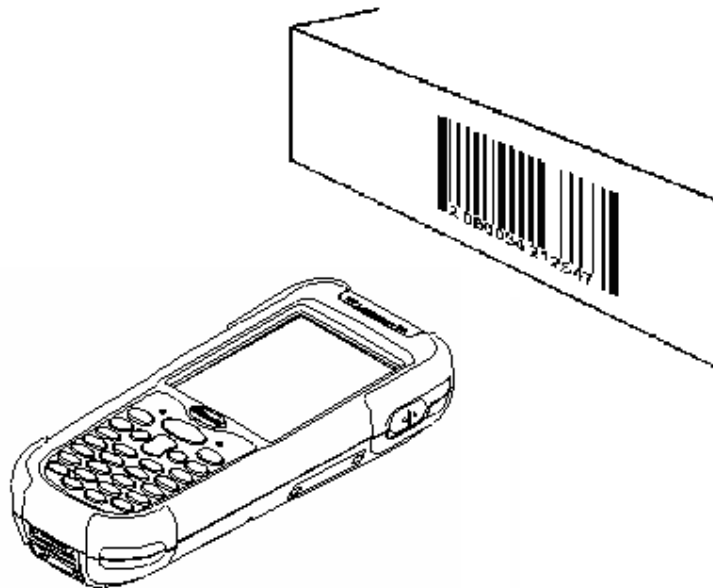
Scanning Barcodes

The Z-2060 is a highly versatile tool that can scan a wide range of barcodes but it is imperative that it is used in the correct manner.

To scan a barcode:

1. Hold the Z-2060 horizontally and point it directly at the barcode you wish to scan.
2. Once in the correct position, press the **SCAN** button.

An audible alarm is heard and the barcode digits will appear on the LCD screen if the scan is successful.



Using the Zebex PowerPack

To save your time and effort in developing applications on Z-2060, ZEBEX provides its own design system management tool to called "PowerPack" to let you control it directly.

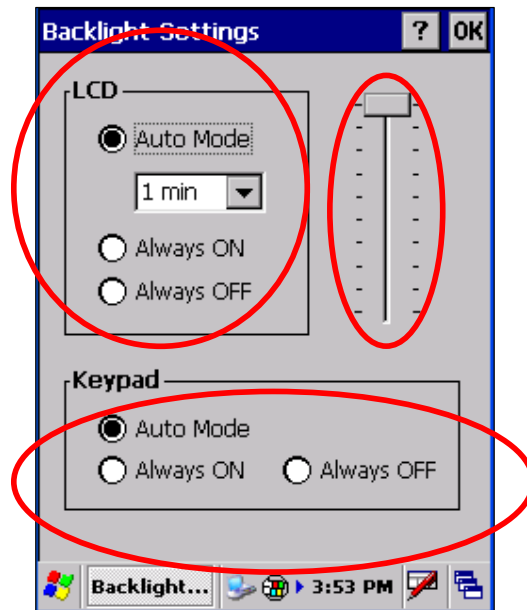
The PowerPack management tools install in each of our WinCE product. It is free charge for you. We offer several function for let you control your device without any programming.

Backlight

This application is set up the Backlight of LCD Panel and Key pad. It allows operators to set backlight duration, and also backlight can be set up as On & Off.

The Backlight Setting screen including 3 parts:

1. LCD
2. Keypad
3. Brightness Control Bar



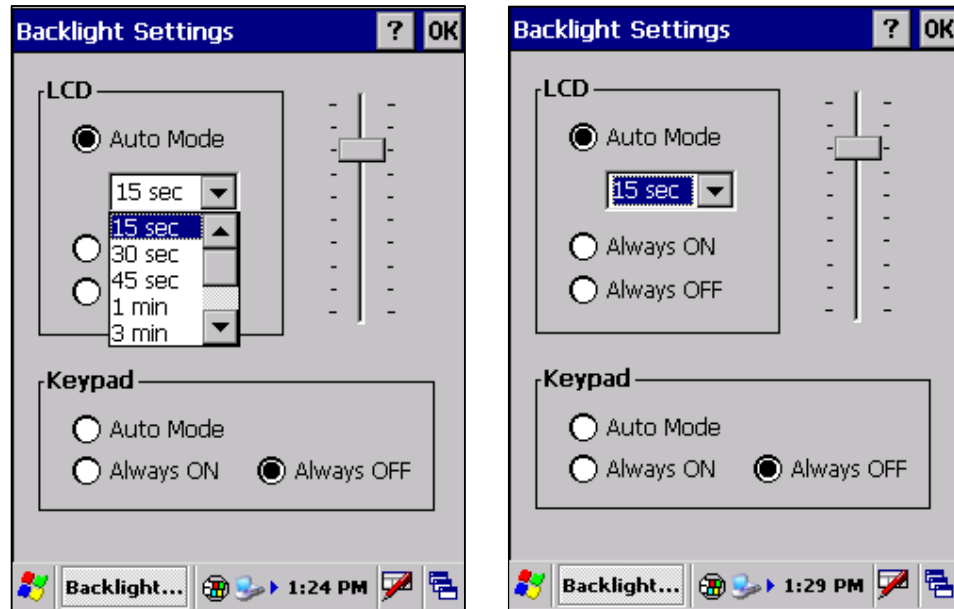
1. LCD

The LCD backlight setting.

Auto Mode: This function can be set up the LCD backlight to be auto off as Device hasn't been activated for certain interval. You can set up the Auto off time from 15 sec to 15 min.

Always ON: This function can set up the backlight to be always on Until the system into suspend mode.

Always OFF: This function can set up the backlight to be always off.



2. Keypad

The Keypad Backlight setting.

Auto Mode: This function can be set up the keypad backlight to be auto off as device hasn't been activated for certain interval. The interval of the time for auto off will reference to LCD Auto Model setting.

Always ON: This function can set up the keypad backlight to be always on until the system into suspend mode.

Always OFF: This function can set up the backlight to be always off.

3. Brightness Control Bar

The brightness of the backlight can be changed via control bar. Put up to light and put down to dark.

Calculator

This calculator function allows operators to add, subtract, multiply, and divide that simply provide basic logistic function in our daily basis.

The upper zone of the display area displays the memory content, and the lower zone is key pad.



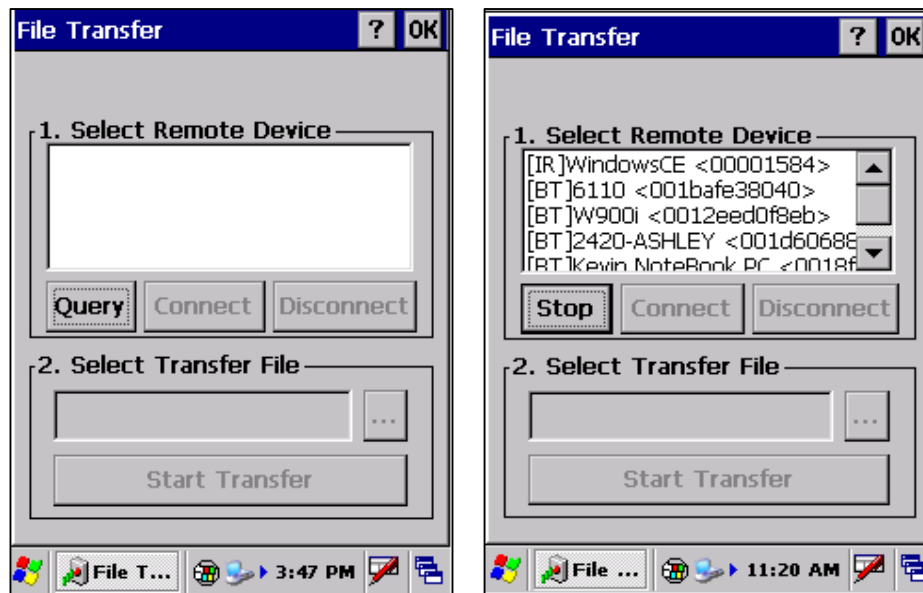
Button description:

- MC : Clear buffer of memory.
- MR : Got the value of buffer.
- MS : Storage the value to buffer.
- M+ : Append the value to the buffer.
- CE : Clear the display area to "0", but keep the value in buffer.
- C : Clear the display and the buffer of memory.
- +/- : Change the value sign form Plus to Minus or Minus to Plus.
- 0~9 : Numeric key.
- / : Division function.
- * : Multiplication function.
- : Subtraction function.
- + : Addition function.
- . : A decimal point of dot.
- = : To be equal to, The amount.

File Transfer

The File Transfer utility is a simple file transfer program which transiting a data file from one device to another. It was follow the public OBEX communication protocol for file transfer. The OBEX communication protocol was a very popular protocol for Notebook PC or cell phone device. So you can very easy to send a data file from ZEBEX's WinCE device into Notebook PC or cell phone for enhance the device File Transfer solution.

The File Transfer file transfer program will check the device interface of IrDA and Bluetooth automatically. The all available transiting interface will be list in the list box of "1. Select Remote Device".



1. Select Remote Device

All IrDA or Bluetooth transit interface will be detected and listed in the box automatically.


Query : searching all possible devices.

Stop : stop searching possible devices.

Connect : To connect to the selected device.

Disconnect : To disconnect the selected device.

2. Select Transfer File

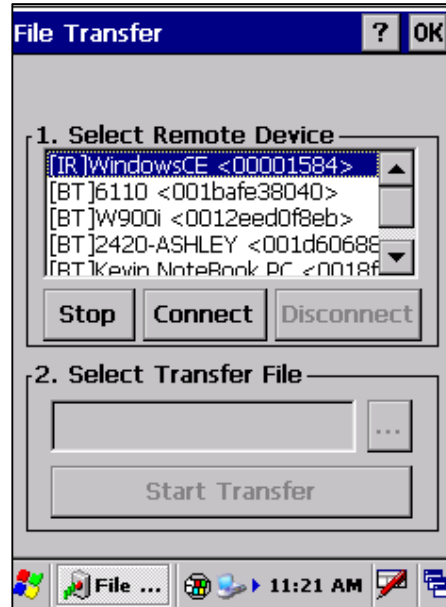
Choose the file to transfer. 

Start Transfer : To start the file translation processes.

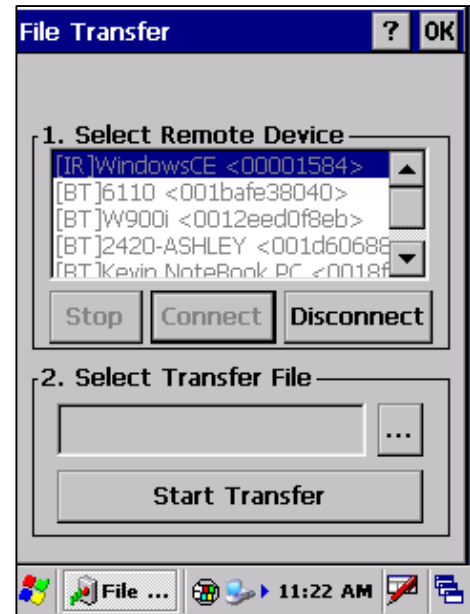
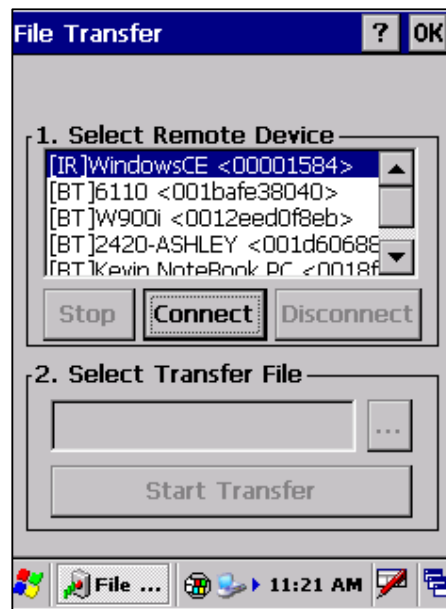
File Transfer Operation

1. Transfer the data file via IrDA:

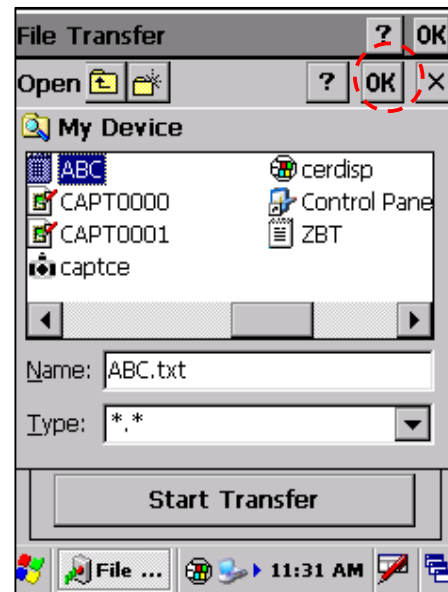
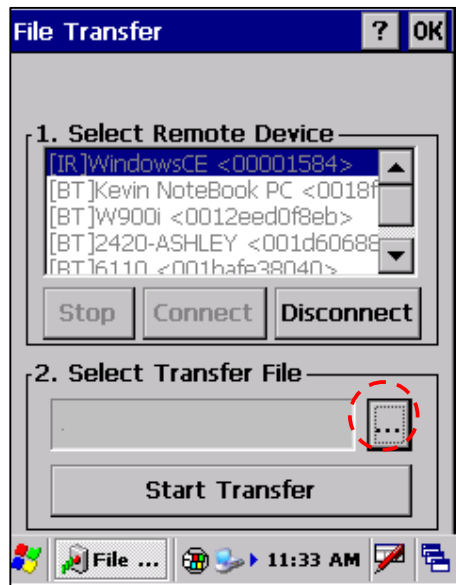
- 1.1 Prepare a pair of devices and making it as close as possible with IrDA interface, then the device will detected other one like the following picture shown.

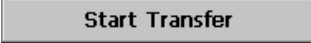


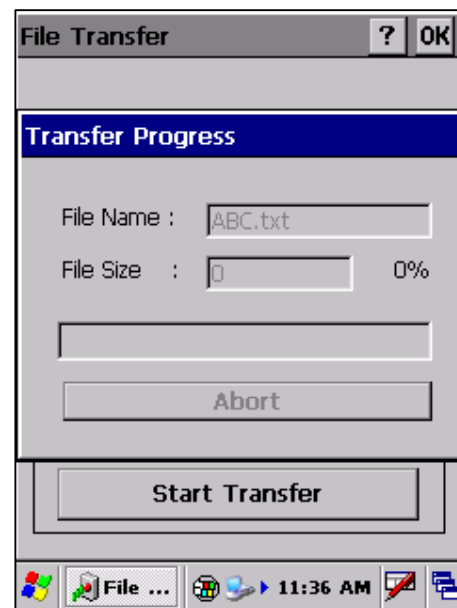
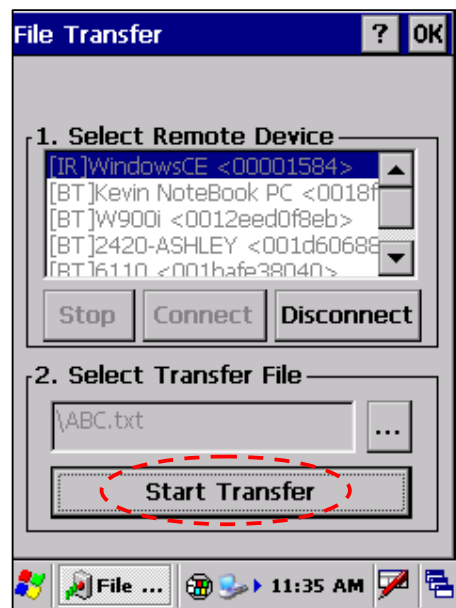
- 1.2 Select the receive device and press “**Connect**” button for start the connection or press “**Disconnect**” button for stop the connection.



1.3 Click the  &  buttons to choose the file to transfer.

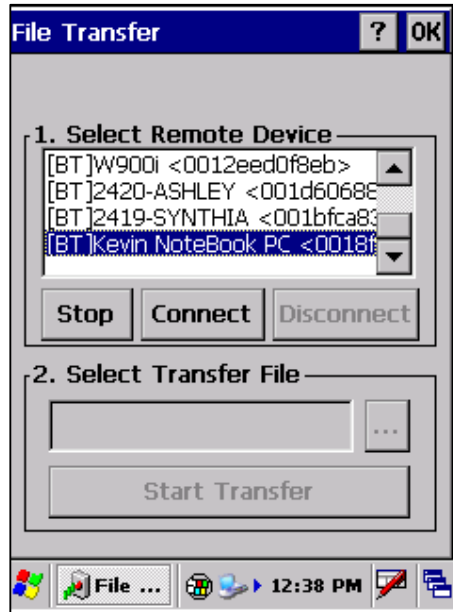


1.4 Click the “  ” button, start the file transfer.



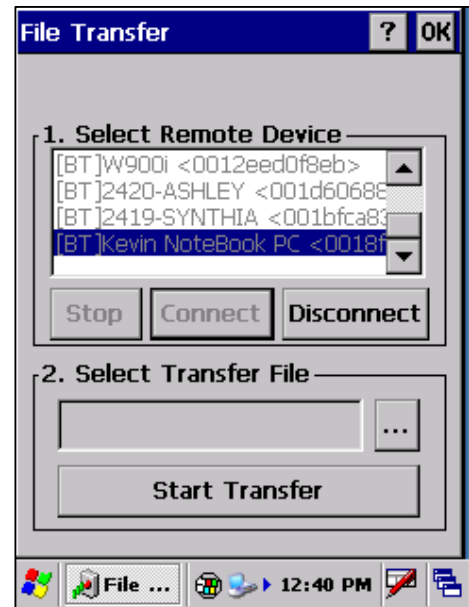
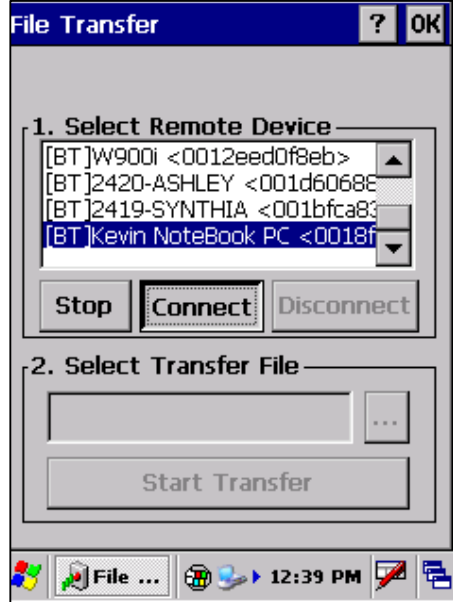
2. Transfer the data file via Bluetooth:


- 2.1 Enable the Bluetooth interface and choose one Bluetooth device for connection.

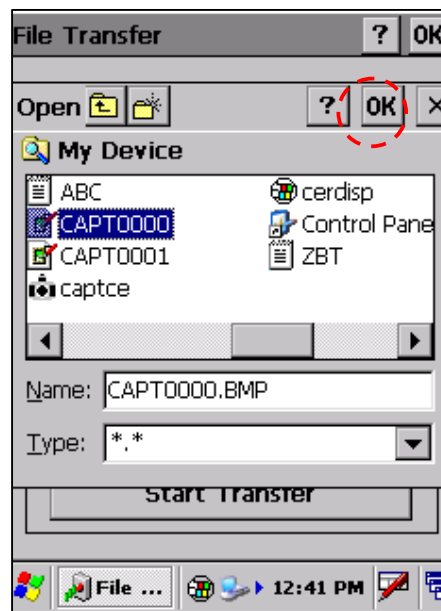
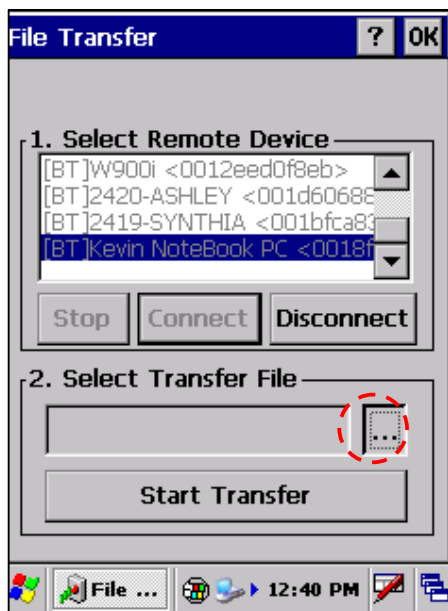


- 2.2 Click the “ **Connect** ” button to connect with selected device or “ **Disconnect** ” button to stop the connection.

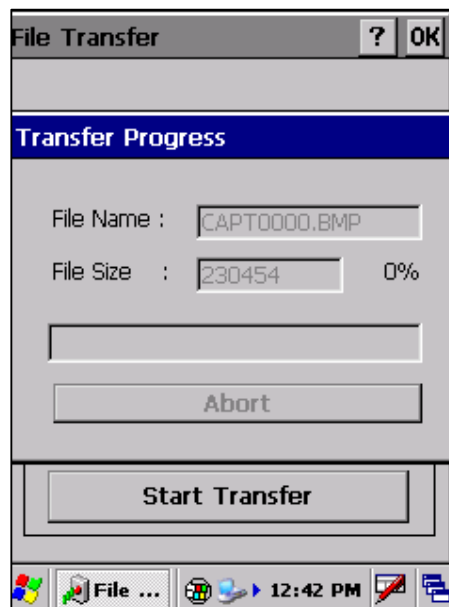
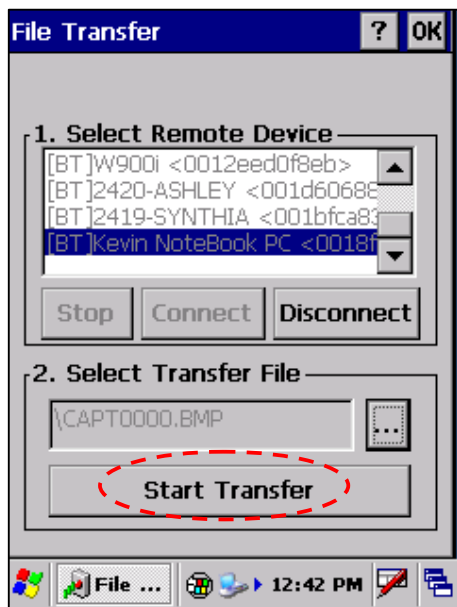
Note: Device is no necessary being paired before connected.



2.3 Click the  &  buttons to choose the file to transfer.



2.4 Click the “  ” button, start the file transfer.



Launcher

The Launcher utility is an auto execution program for ZEBEX's WinCE device. You may set programs into the Launcher list box and running the program by automatically or manually.



1. Selected the check box of “ Auto launch the checked items. ” will running whole programs listed in the box automatically one by one.
2. The “ **UP** ” and “ **DOWN** ” button is to change the priority sequence of each program. You can use it to arrange the sequence of list according to its running priority.
3. “ **Description** ” dialog is description the function for the program.
4. “ **Target** ” dialog will be showing out the path of file. Click the “ **...** ” button and selected the target program then click the “OK” button to finish and return to the Auto launch menu.
5. The “ **+** ” button is for adding a new program into the list by the description of the program. You can not use the same description for difference program.
6. The “ **-** ” button is for removing a program from the list. After select a program on list, this button will be enabled and click it to remove it.
7. The “ **Update** ” Button is to rename the description and file path for a program. As a program selected this button will be enable, after input the new description name or file path and click this button to update.
8. The “ **Launch** ” button is to execution all program on the list right away.

Launcher Operation

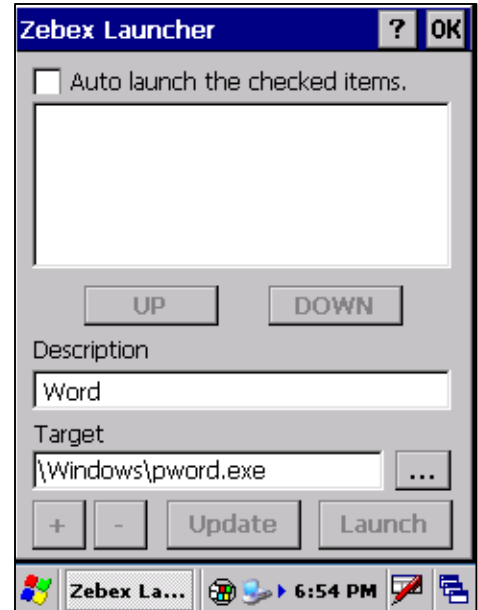
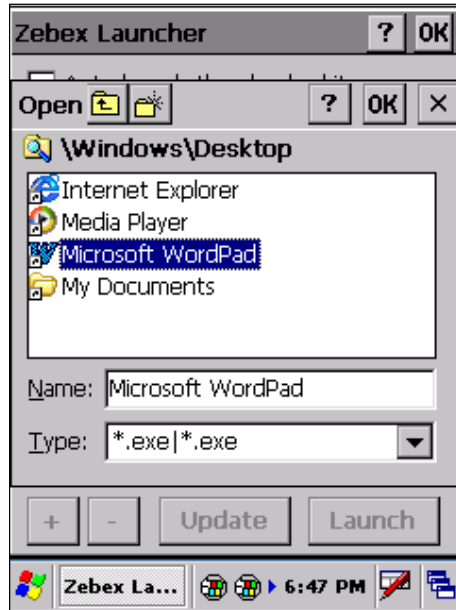
1. Create a new program:

1.1 Input the description for the program.

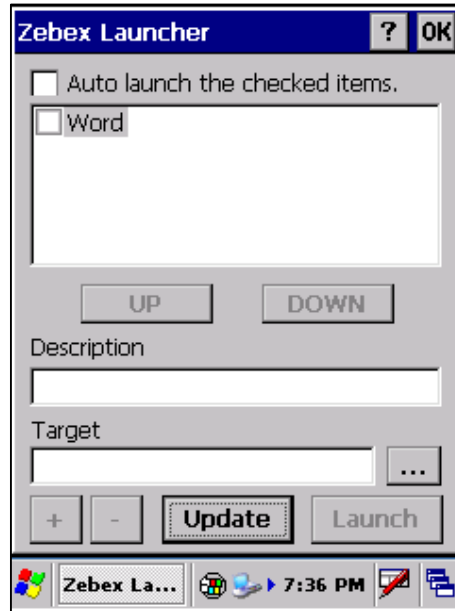


1.2 Select the target file.

Click the “ ... ” button and select the program file then click “ OK ” button to confirmed and return back to the Launcher menu.

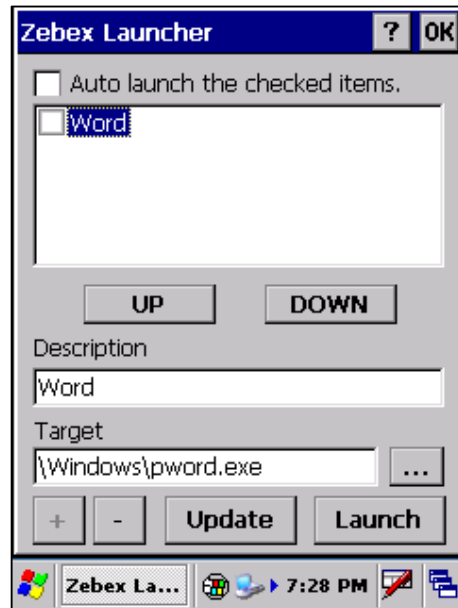


1.3 Click "+" button to add the program into list box.



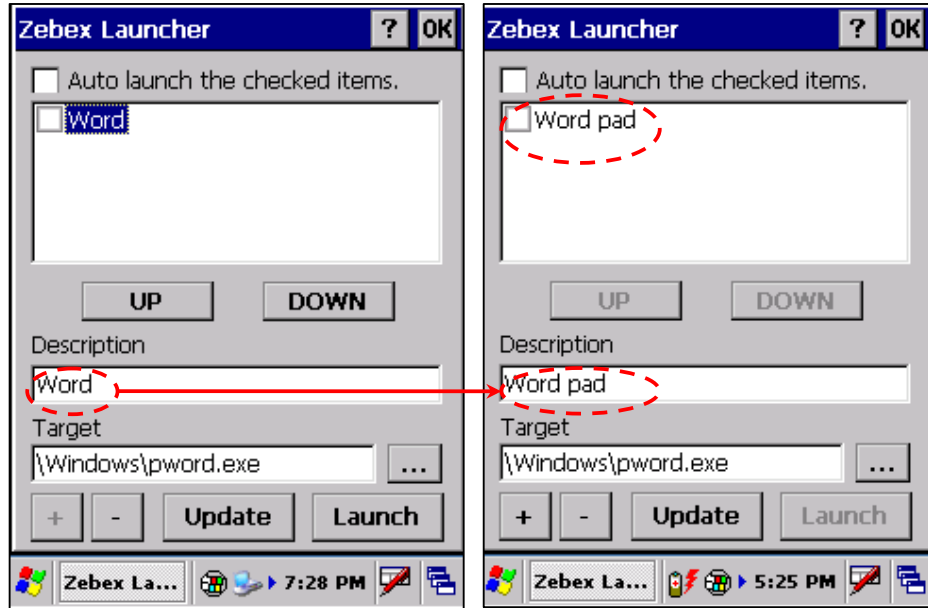
2. Launch a program:

Selected the program and click the "Launch" button to execute the program.



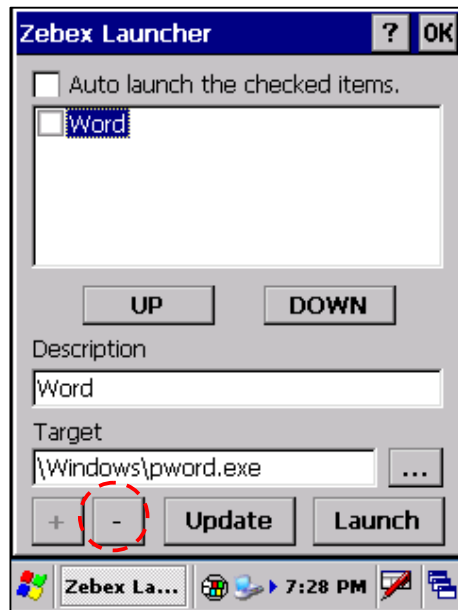
3. Update the program description:

Select the program from list box and input the new description on the "Description" field or use "..." button to re-select the "Target" path. Then click "Update" button to confirm the change.



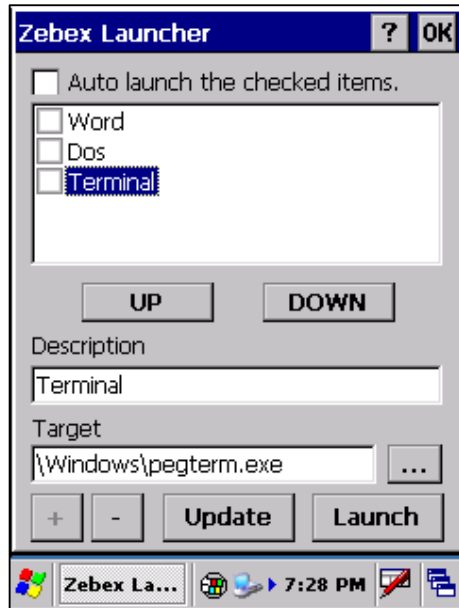
4. Remove a program:

Select a program from list box and click the "-" button to remove it.

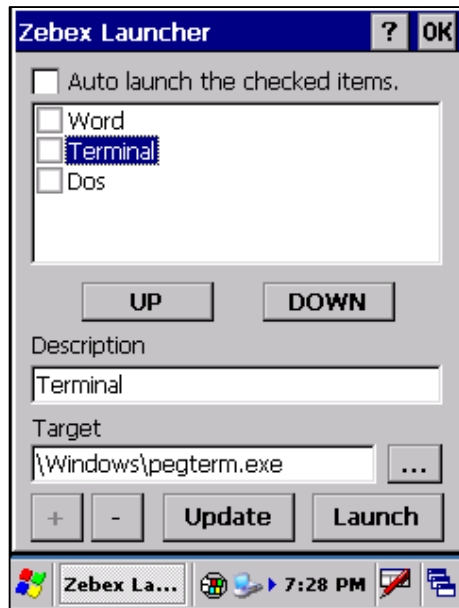


5. Change the running sequence of program:

Select the program which is desired to rearrange its running priority sequence.



Click " **UP** " or " **DOWN** " button to adjust the running priority sequence.

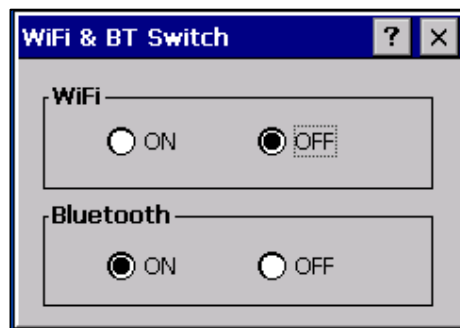


Switch

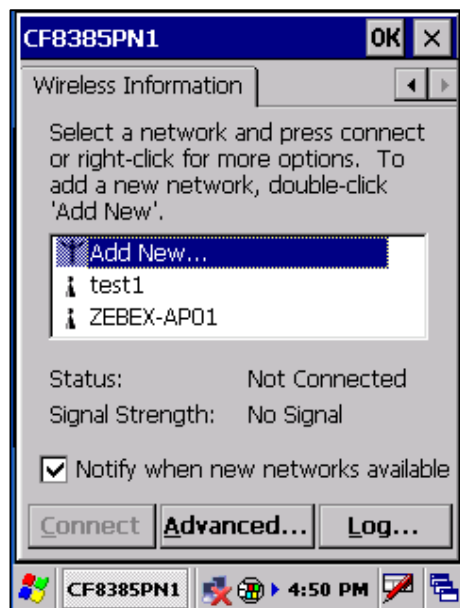
The WiFi & Bluetooth switch utility. This application provides as a switch function to let you easy turn on or off the function and power for WiFi and Bluetooth interface.

To check the “**OFF**” selection from WiFi check box will disable the WiFi function. On the other hand check the “**ON**” selection will enable the WiFi function.

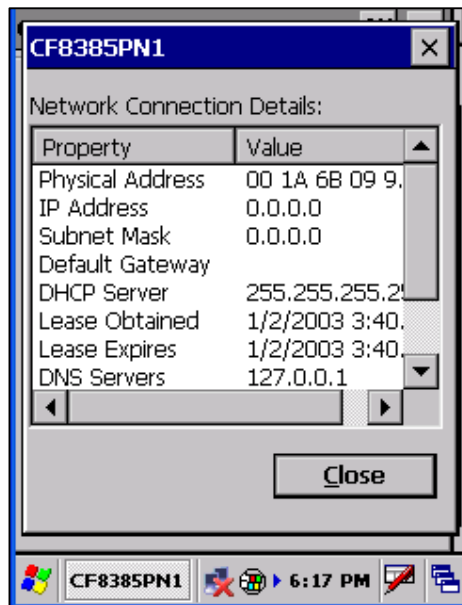
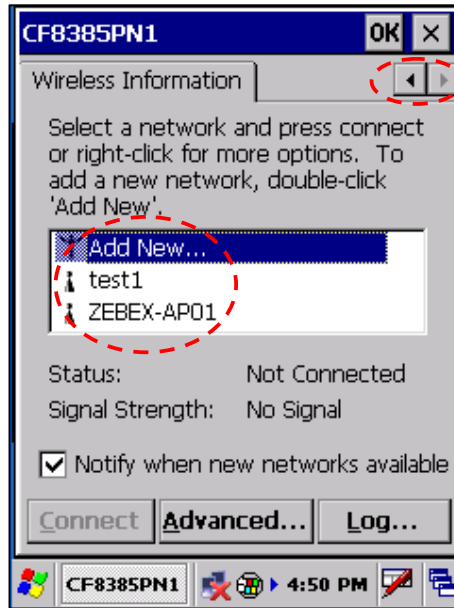
Same with WiFi operation, to check the “**ON**” selection from Bluetooth check box will enable the Bluetooth function. On the other hand check the “**OFF**” selection will disable the Bluetooth function.



The available wireless network access point will be searching automatically when you check the “**ON**” selection for enable WiFi function. You can select an access point and press “Connect” button to “**Connect**” with that network.

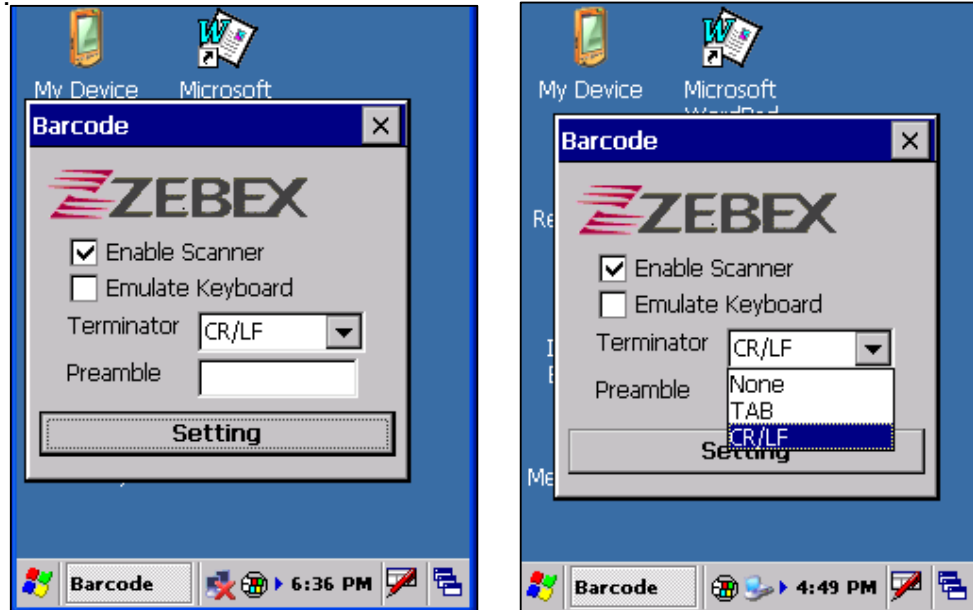


Double-click the "Add New..." on the list box will add a new wireless network, or double-click an existed access point on the list box for open the wireless properties for setting. You also can use "◀" or "▶" button for display more information for network setting.




TrayScan

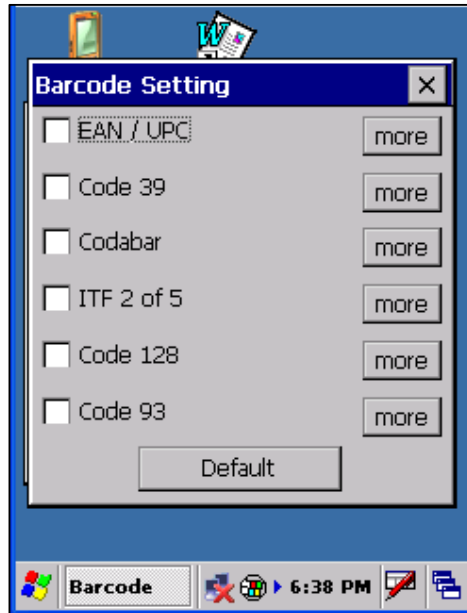
The TrayScan program is a barcode reader set up program, it offer you an easy way to enable or disable the barcode scanner, and also offer you to set up each barcode symbolic properties.




1. Enable Scanner
To check the selection will enable barcode scanner for ready to read, uncheck the selection to disable barcode scanner function.
2. Emulate keyboard
Set the barcode scanner to send the barcode data to operation system via emulate keyboard input. It will allow you to using terminal emulation or command prompt application to use barcode scanner for read the barcode data into your application,
3. Terminator
Set the terminator control code with barcode data. We offer “None”, “TAB” and “CR/LF” for selection.
4. Preamble
Set the preamble character with barcode data.
5. Setting
To set the barcode parameter value of each kind of barcode for barcode scanner.

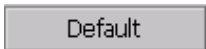
Barcode Setting:

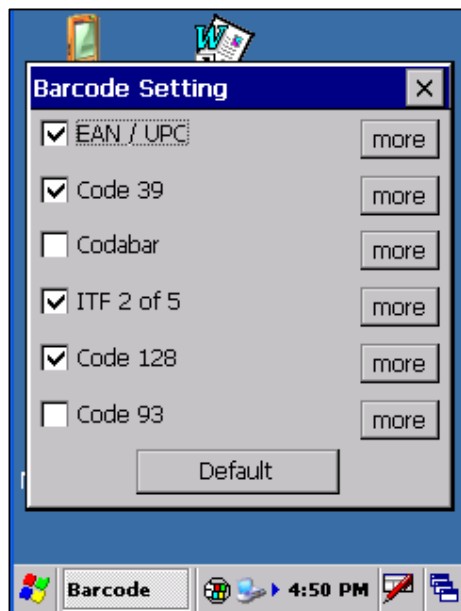
Press the "  " button in TrayScan application to start the barcode setting.



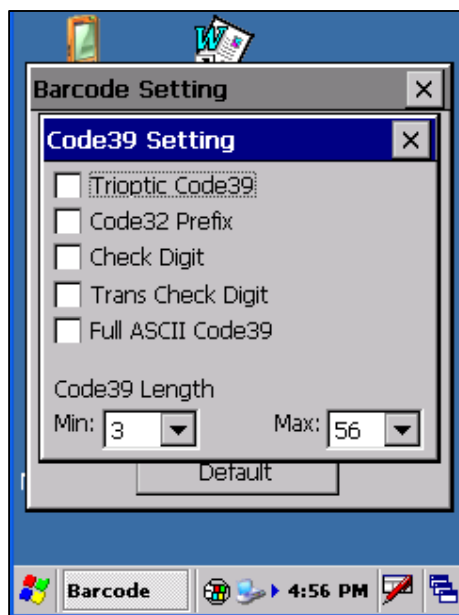
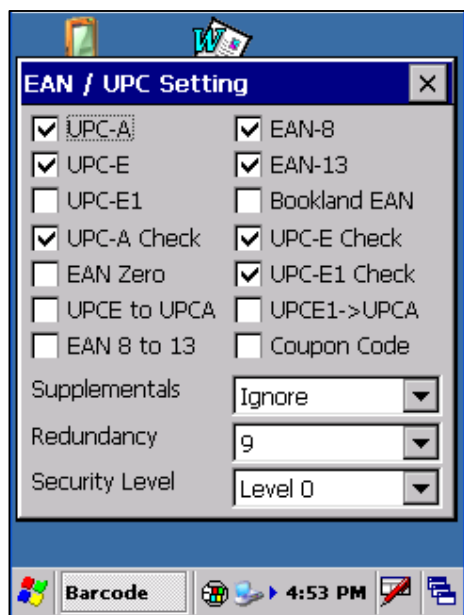
To check the barcode type selection for enable the type of barcode for read.

Press "  " button to setting the barcode parameter value of each kind of barcode.

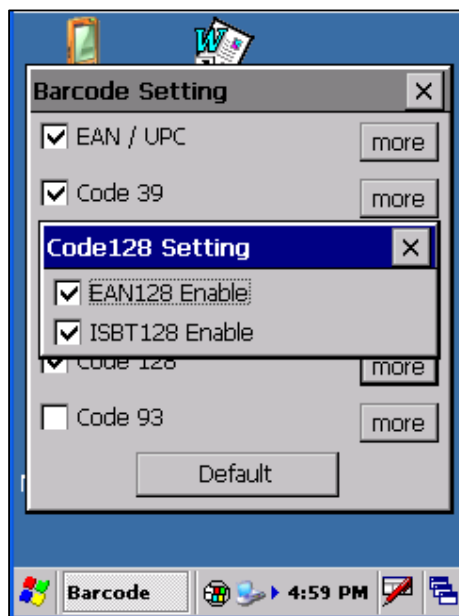
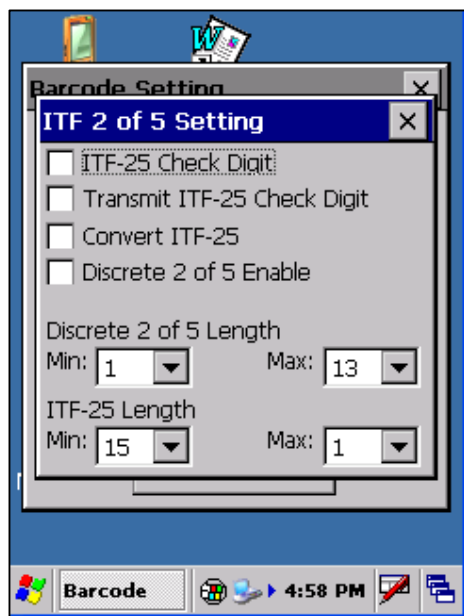
Press "  "button to use system default value to set up the barcode parameter. The default value was show in below pictures.



The default values of EAN/UPC code and Code39.



The default values of ITF 2 of 5 code and Code128.



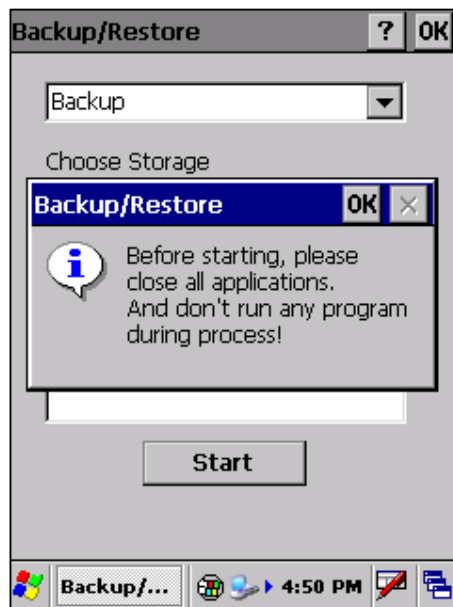
Backup/Restore

This application provides you an easy way to backup or restore the device setting information into storage card. So, don't forget prepare a mini-SD storage card before you running the backup function.

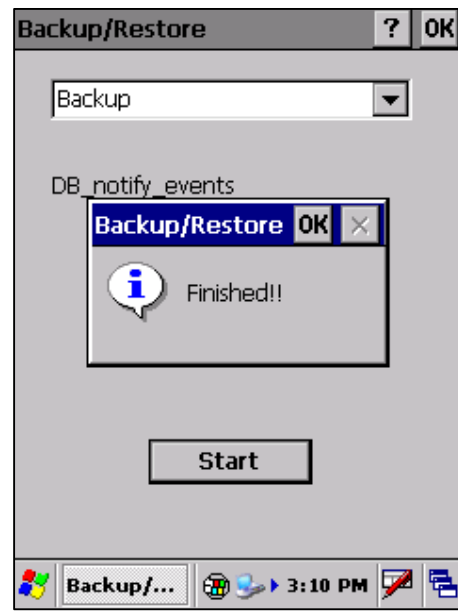
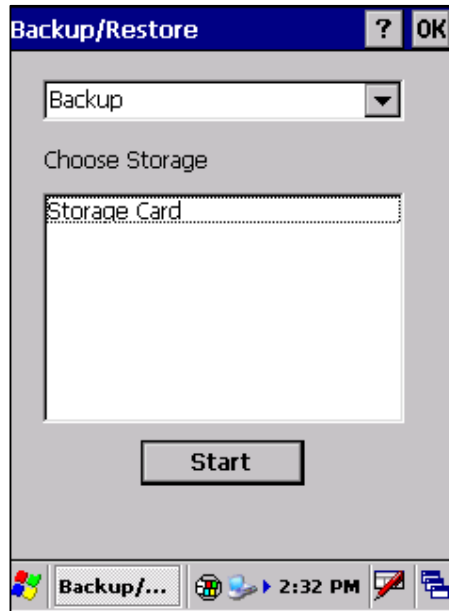
You can find this application is located on path "settings\control Panel".



There is a pop-up warning message advice you close all application and stop running any program when you start the application.



To click " **OK** " button go to the Backup / Restore menu.

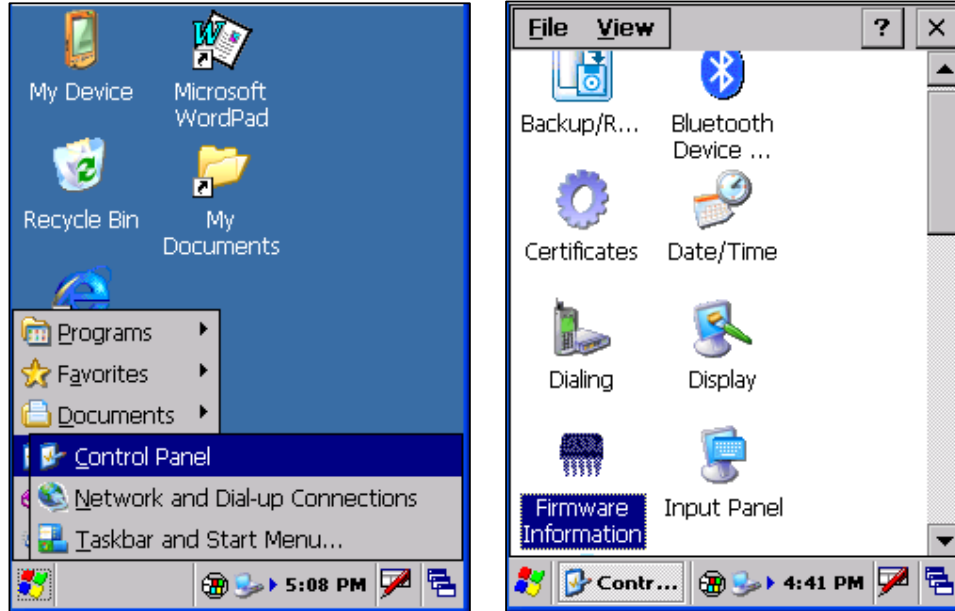


If has already inserted mini-SD you can press " **Start** " button, begin to Backup or Restore.

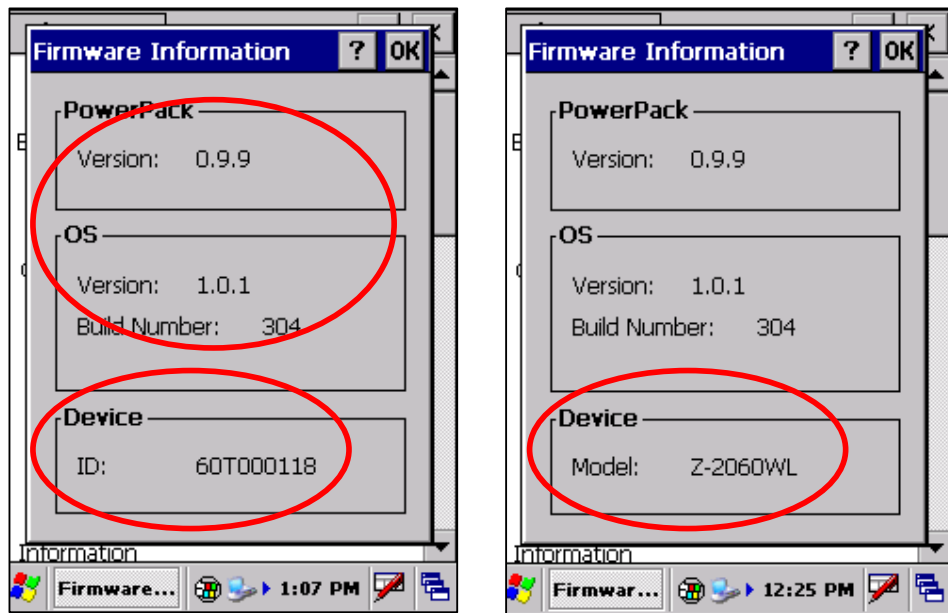
Firmware Information

This application will check and display the version information of the device's operation system and PowerPack utility.

You can find this application is located on path " \settings\control Panel".



This information is good for identify device firmware version for future update or maintenance.

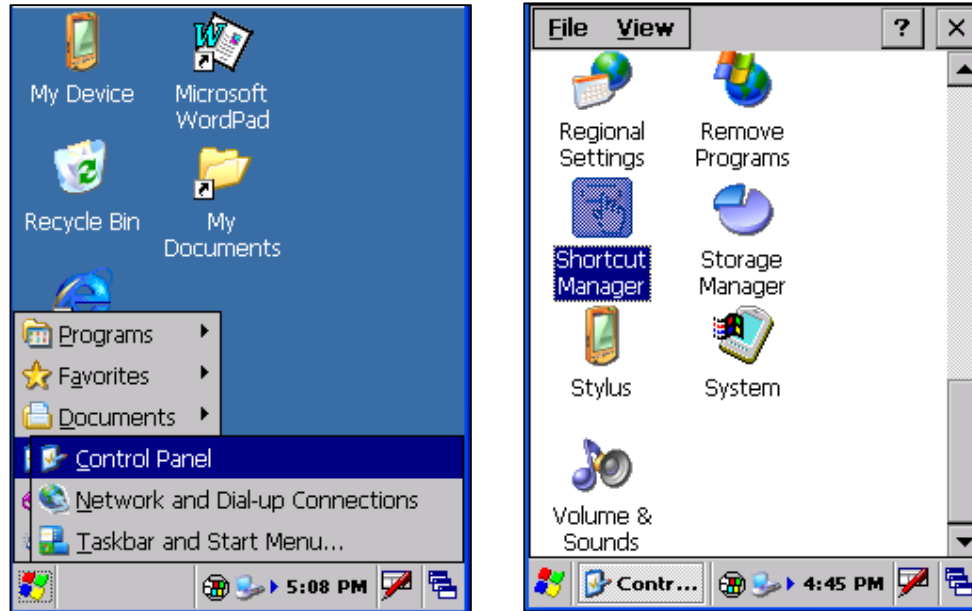


Click the Device frame to shows the Model number. and double-chick it will return to display the Device ID.

Shortcut Manager

This application utility is provides you an easier way to set up function key for your device. Through using this function key set up utility you will easily and quickly to start the application program like, Window Media Player, Calculator... etc, or your own designed application program, and even the windows system function, like increasing or decreasing the volume or doing the adjustment of brightness on LCD panel.

You can find this application is located on path "\settings\control Panel\".



Procedure this include two select Page, "Configuration " and "Assign Function ". Include under it is at " Configuration " two piece button, including " Reset " button and " >> " Button.

Button " Reset " will restore the function key setting as factory default. The factory default set is:

F1 & F5: Software Input Method On/Off

It is let you easy to wakeup or close the software keyboard on the screen. You can use F1 or F5 function key to open or close the software keyboard.

F2 & F6: Panel Brighter

Turn the screen backlight to bright.

F3 & F7: Panel Darker

Turn the screen backlight to dark.

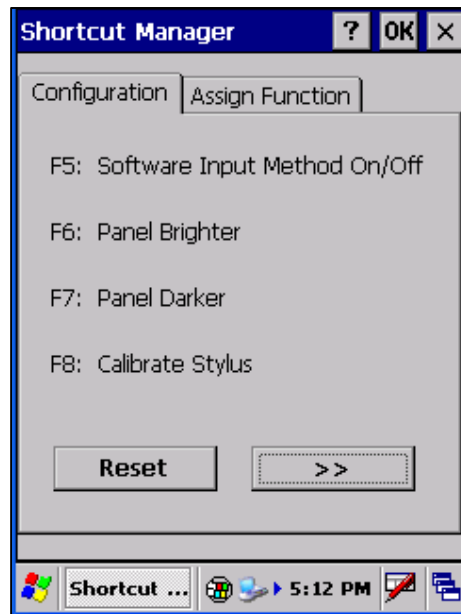
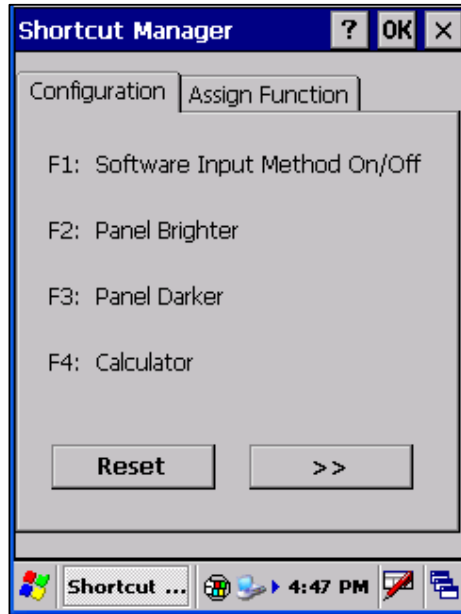
F4 : Calculator

Start the Calculator program.

F8 : Calibrate Stylus

Start the screen Calibration function.

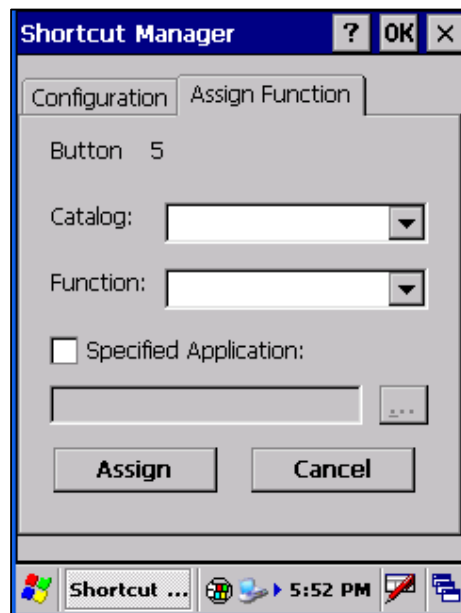
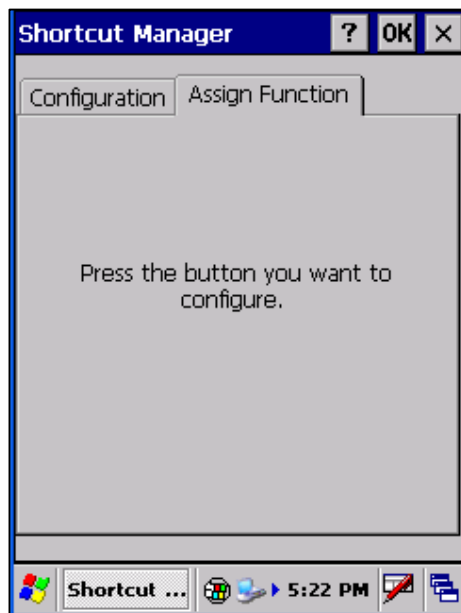
There are four function keys information display in one page. Button “ >> ” for change to next page to display the other four function key’s setting.



In the page of “ Assign Function ” offer you to reset the function keys. This program use pushbutton operation to assign the function key you want to setting. The program will catch the function key scan code and display the set up page for setting. If you want to set F5 function key, you need to press “SF/Fn” button first then press F1 to assign it. It’s mean F5~F8 function key is compose of “SF/Fn” with F1~F4.

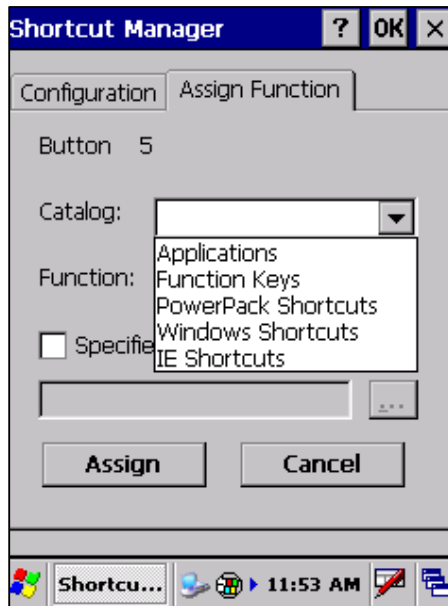
SF/Fn + F1 = F5,
SF/Fn + F3 = F7,

SF/Fn + F2 = F6,
SF/Fn + F4 = F8

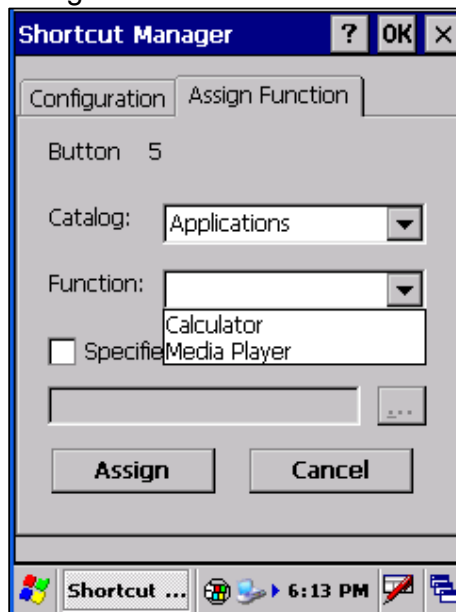


The message on the page of “Assign Function” was explain in below.

1. **Button X :** Indicates which function key of pushbutton being assigned. For example, “Button 5” means F5 function key being assigned.
2. **Catalog :** Including 5 standard catalogs for selection.
 - (1) Applications (application program)
 - (2) Function Keys (function Keys F1~F2)
 - (3) PowerPack Shortcuts (the swift key of PowerPack function)
 - (4) Windows Shortcuts (the swift key of WinCE system function)
 - (5) IE Shortcuts (the swift key of IE)

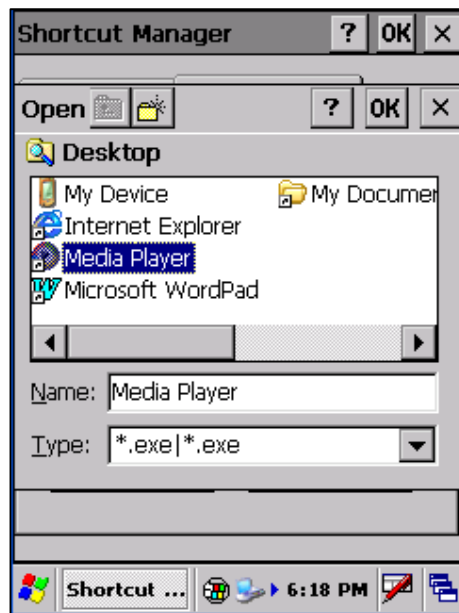
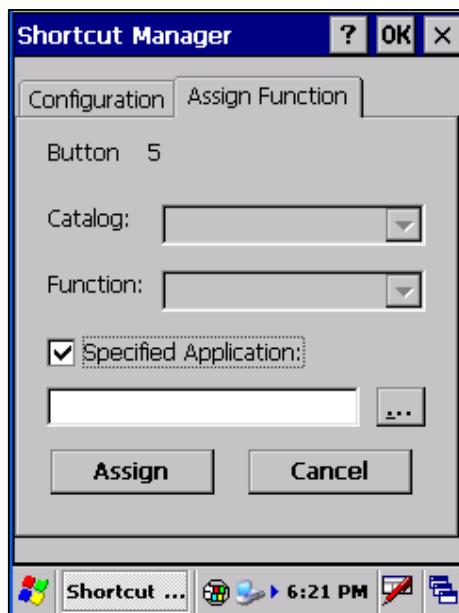


3. **Function :** Defines the standard function by deferent the “Catalog” being selected.



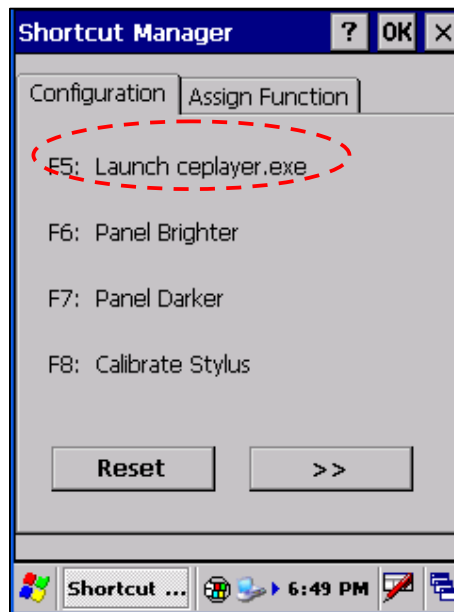
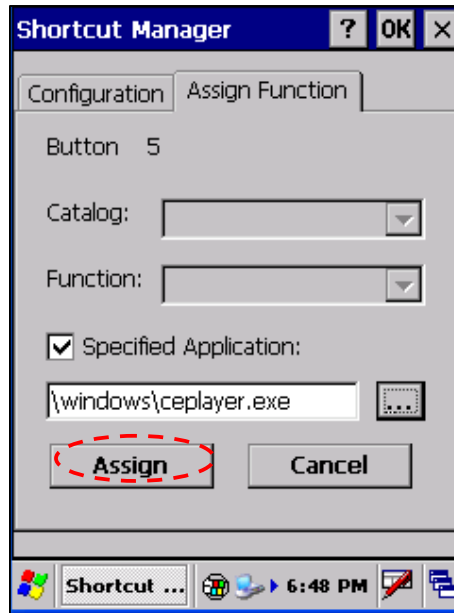
4. Specified Application: Setting others application program on the device for the assigned function key.

After select this function, then press "..." button to assign an application for this function key.



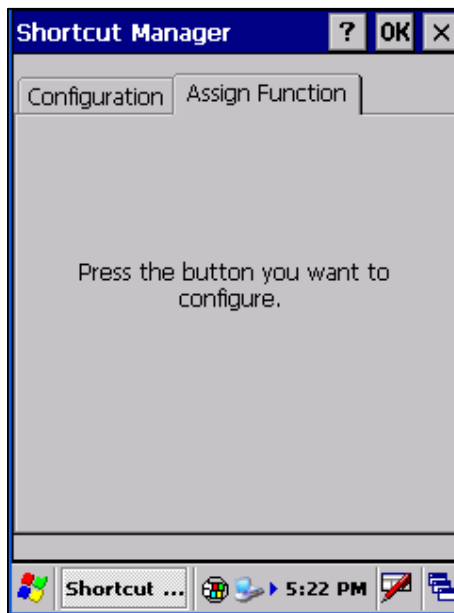
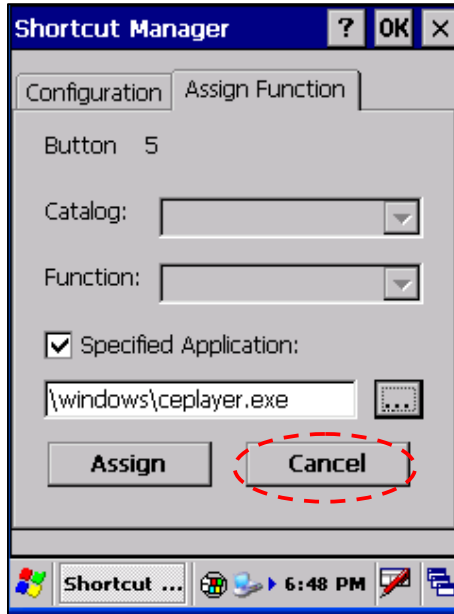
5. Assign : Assigning the function key setting.

Press “ **Assign** ” button after you selected an application of the shortcut for a function key. The screen will change to the page of ‘ **Configuration** ’ and update the function key setting information.



6. Cancel : Cancel the function key setting.

Press “ **Cancel** ” button to cancel the current function key setting and back to the original display of page “ **Assign Function** ”.



How to order

Please offer Part Number or Model Name for next purchase.

1. Z-2060 Series Windows CE.NET Handheld Computer Set.

Part Number	Model Name	Description
882-6000R9-000	Z-2060BA	Windows CE.NET Handheld Computer, W/1D engine/RS-232 DB9(F) cable / Mini USB interface
882-60WLR9-000	Z-2060WL	WindowsCE.NET Handheld Computer, W/Wireless LAN/BT module/1D engine/RS-232 DB9(F) cable / Mini USB interface
Standard Accessories		
170-70R449-180	RS-232 Cable	RS232 charging cable for Z-2050/2060
173-0U0000-150	MINI USB Cable	Terminal to PC USB port
862-206002-400	Battery Pack	Lithium-Ion rechargeable battery pack, 3.7V 5000 mAh
560-820500-741	Stylus Pen	Length: 95.7cm, including reset thimble
623-220500-061	Sling	Sling for stylus pen
623-220600-051	Hand Strip	Z-2060 hand strip and stylus pen holder
560-020600-891	Hand Strip Holder	Z-2060 hand strip holder
11S-900180-008	AC Adapter	AC 100~240V 50/60HZ 0.6A, DC 9V/2A
11S-000000-008	Integrated Plug head	for 11S-900180-008 Type: Britain/ U.S./Australia/Europe

2. CRD-60 Communication and Battery charging Cradle Set.



Part Number	Model Name	Description
882-60CR00-000	CRD-60	Z-2060 communication and battery charging cradle

Standard Accessories



174-1RF050-150	RS-232 Cable	RS232 cable connect from CRD-60 to PC RS-232 Dsub port.
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PIN-OUT configuration	
DB-9(F)	
1	CD (Carrier detect)
2	TxD (Transmit data)
3	RxD (Receive data)
4	DSR (Data set ready)
5	GND (Signal ground)
6	DTR(Data terminal ready)
7	CTS (Clear to send)
8	RTS (Request to send)
9	RI (Ring indicator)



PIN-OUT configuration	
1	NC
2	TxD (Transmit data)
3	RxD (Receive data)
4	NC
5	GND (Signal ground)
6	NC
7	CTS (Clear to send)
8	RTS (Request to send)
9	NC
10	GND(Signal ground)



173-0U3000-150	USB Cable	RJ45 USB type B cable connect from CRD-60 to PC USB port.
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3. Z-2060 Series Optional Accessories

	Part Number	Model Name	Description																						
	170-70R449-180	RS-232 cable	RS232 charging cable for Z-2050/2060																						
			<table border="1"> <tr> <td colspan="2">PIN-OUT configuration</td> </tr> <tr> <td colspan="2">DB-9 (Female)</td> </tr> <tr> <td>1</td> <td>CD (Carrier detect)</td> </tr> <tr> <td>2</td> <td>TxD (Transmit data)</td> </tr> <tr> <td>3</td> <td>RxD (Receive data)</td> </tr> <tr> <td>4</td> <td>DSR (Data set ready)</td> </tr> <tr> <td>5</td> <td>GND (Signal ground)</td> </tr> <tr> <td>6</td> <td>DTR (Data terminal ready)</td> </tr> <tr> <td>7</td> <td>CTS (Clear to send)</td> </tr> <tr> <td>8</td> <td>RTS (Request to send)</td> </tr> <tr> <td>9</td> <td>RI (Ring indicator)</td> </tr> </table>	PIN-OUT configuration		DB-9 (Female)		1	CD (Carrier detect)	2	TxD (Transmit data)	3	RxD (Receive data)	4	DSR (Data set ready)	5	GND (Signal ground)	6	DTR (Data terminal ready)	7	CTS (Clear to send)	8	RTS (Request to send)	9	RI (Ring indicator)
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	173-0U0000-150	MINI USB Cable	Terminal to PC USB port																						
	174-1RF050-150	RS-232 Cable	RS-232 cable connect from CRD-60 to PC RS-232 Dsub port.																						
	173-0U3000-150	USB Cable	RJ45 USB type B cable connect from CRD-60 to PC USB port.																						
	862-206002-400	Battery Pack	Lithium-ion rechargeable battery pack, 3.7V, 5000mAh																						
	560-820500-741	Stylus Pen	95.7mm, including reset thimble																						

	Part Number	Model Name	Description
	623-220500-061	Sling	Sling for stylus pen
	623-220600-051	Hand Strip	Z-2060 hand strip and stylus pen holder
	560-020600-891	Hand Strip Holder	Z-2060 hand strip holder
	862-206002-400	AC Adapter	AC 100~240V 50/60HZ 0.6A, DC 9V/2A
	11S-000000-008	Adapter Head	Britain type head ,interchangeable plug, for 11S-900180-008 AC adapter
	11S-000001-008	Adapter Head	U.S. type head ,interchangeable plug, for 11S-900180-008 AC adapter
	11S-000002-008	Adapter Head	Australia type head ,interchangeable plug, for 11S-900180-008 AC adapter
	11S-000003-008	Adapter Head	Europe type head ,interchangeable plug, for 11S-900180-008 AC adapter

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