

OT-110

User Manual



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Trademark recognition

All product names used in this manual are the properties of their respective owners and are acknowledged.

Federal Communications Commission Notice

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

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment onto 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.

Shielded interconnect cables and a shielded AC power cable must be employed with this equipment to ensure compliance with the pertinent RF emission limits governing this device. Changes or modifications not expressly approved by the system's manufacturer could void the user's authority to operate the equipment.

Declaration of conformity

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

This device may not cause harmful interference, and

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

FCC RF Radiation Exposure Statement

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device was tested for handheld operations with the device contacted directly to the human body. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

SAR information

The 1g SAR value is measured at IEEE 802.11 b/IEEE 802.11 bg. The Body SAR value of 0.070 w/kg @1g has been tested with back of the device kept at 1.5cm away from the body.

Taiwan NCC

Article 12

Without permission granted by the NCC, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to a approved low power radio-frequency devices.

Article 14

The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved.

The said legal communications means radio communications is operated in compliance with the Telecommunications Act.

The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave radiated devices.

Revision history

Version 1.0, July 2011

About this manual

This manual is intended for system administrators who are familiar with setting up a new system and installing programs.

The manual consists of the following sections:

- Chapter 1 Getting Started: This section covers unpacking and checking the package contents, identifying components, charging the battery, installing the microSD card, and powering on the device.
- Chapter 2 Using The Device: This section provides information on how to use the device features.
- Chapter 3 Using The Accessories: This section provides information on how to use the accessories.
- Chapter 4 Installing The Optional Modules: This section provides steps to install and test the optional modules.
- Appendix: The appendix covers troubleshooting, information on having the OT-110 serviced and technical specifications.

Safety information

Before installing and using the OT-110, take note of the following precautions:

SAR compliance for body-worn operations requires at least 2 cm of separation between the device and the user's body

Request service for damaged products: Turn off the product, unplug it from the electrical outlet, and request service from a service partner under the following conditions:

- The power cord or plug is damaged.
- Liquid has been spilled into the product.
- An object has fallen into the product.
- The product has been exposed to rain or water.
- The product has been dropped or damaged.
- The product does not operate normally when you follow the operating instructions.

Avoid hot areas: The product should be placed away from heat sources such as radiators, heat registers, stoves, and other products (such as amplifiers) that produce heat.

Allow the product to cool: Allow the product to cool before removing covers and touching internal components.

Avoid wet areas: Never use the product in a wet location.

Avoid inserting objects into product: Never insert objects of any kind into slots or other openings in the product.

Clean the product properly: Unplug the product from the wall outlet before cleaning it. Do not use liquid cleaners or aerosol cleaners. Use a soft cloth dampened with water for cleaning exterior components, but NEVER apply water directly to the product or to an LCD screen.

Use the product with approved equipment: Use your product only with the computers and accessories identified as suitable for use with your product.

Adjust the volume: Turn down the volume before using headphones or other audio devices.

When device will not be used for a long period of time, please remove the battery, and store both device and battery in a cool, dark, and dry place. For storage over a long period of time, please place product in a dry box.

SAR compliance for body-worn operations requires at least 2 cm of separation between the device and the user's body.

Battery Handling Precaution

- **Do not attempt to disassemble or reconstruct the packs.** The battery has integrated protection circuits and safety functions to avoid danger. If battery is damaged, it may rupture, generate heat, or cause smoke and flame.
- **Do not short circuit battery. Do not short connect the positive terminal and negative terminal with metals.** Never carry or store the battery with metal objects. If the battery is short circuited, excessive large current will flow and generate heat, rupture or flame will occur, and also it will cause heat generation for metals. Please cover the plug with waterproof cap when not using the battery.
- **Do not incinerate or heat the battery.** This will cause the insulator to melt, damage the gas release vent, and cause loss of safety function, or electrolyte ignition. Above mentioned matters will cause battery to rupture, generate heat, or cause smoke and flame.
- **Do not use near high temperature areas.** Do not use or leave battery near fire, stove or heated areas of more than 80°C, to avoid melting of the polymer separator which would cause internal short circuits to occur in individual cells, and cause the battery to rupture, generate heat, or cause smoke and flame.
- **Do not immerse the battery in water, seawater, or get it wet.** This may cause internal short circuits to occur within individual cells, and cause the battery to rupture, generate heat, or cause smoke and flame.
- **Do not charge battery near fire or under the blazing sun.** If the battery protection circuit does not function properly due to high temperature, or it is broken, the battery will be charged at an abnormal current, and abnormal chemical reaction may occur, causing the battery to rupture, generate heat, or cause smoke and flame.
- **Only use the official product charger and observe the charging requirement.** If the battery is charged in unusual conditions, it will cause loss of safety functions, or abnormal chemical reactions, causing the battery to rupture, generate heat, or cause smoke and flame.
- **Do not try to damage the battery.** Do not drive a nail into the battery, strike it with a hammer, or tread on it. The impact will cause leakage, causing the battery to rupture, generate heat, or cause smoke and flame.
- **Do not attempt to solder anything onto the battery.** This will cause the insulator to melt due to heat, or cause the gas release vent to break, causing the battery to rupture, generate heat, or cause smoke and flame.
- **Do not connect battery to a plug socket or car-cigarette plug.** Connecting high voltage to the battery, means excessive current will flow in it, and cause the battery to rupture, generate heat, or cause smoke and flame.
- **Do not use battery for powering other equipment.** If the battery is used for powering other equipment, it will deteriorate its performance and cycle-life. At worst, abnormal current will flow, and cause the battery to rupture, generate heat, or cause smoke and flame.
- **Do not touch a leaked battery directly.** If battery leaks and hands touch leaked electrolyte, wash your hands with soap immediately. If leaked electrolyte gets into your eyes, do not rub them, and wash eyes immediately with fresh water. Consult a doctor immediately.
- **Do not continue to charge over specified time.** If the battery has not finished charging over recommended time, let it stop charging. There is a possibility that the battery might be defective, and continued charging may cause the battery to deform, generate heat, or cause smoke or flame.
- **Do not insert battery into a microwave or high pressure container.** This may cause battery to deform, generate heat, or cause smoke or flame, because of sudden heat, intense pressure, or damage to the sealing condition of the battery.
- **Do not put leaked battery near fire.** If liquid leaks from the battery, or the battery give outs a bad smell, do not leave battery near flammable objects. Otherwise, the electrolyte leaked from battery will catch on fire.

- **Do not use an abnormal battery.** If battery has a bad smell, changes color, deforms, or causes something wrong during usage, remove it from equipment or charger, and do not use. If an abnormal battery is used, it may cause battery to rupture, generate heat, or cause smoke and flame.



WARNING

Warning! Batteries may explode if not handled properly. Do not disassemble or dispose of them in fire. Keep them away from children. Follow local regulations when disposing of used batteries.



警告

不正確地更換電池會有爆炸的危險。僅可更換為廠商建議的相同電池或相同型式電池。請依據廠商說明書棄置電池。



注意

用错误型号电池更换会有爆炸危险务必按照说明处置用完的电池。



注意

正しく交換しないと電池が爆発する危険があります。製造業者の推奨する電池又は同タイプの電池と交換して下さい。使用後の電池を捨てる時は製造業者の指示に従って下さい。



IMPORTANT

The battery must be installed before you use the device. Using only adaptor power without battery is not supported by the device. Do not remove the battery during operating.

TABLE OF CONTENTS

CHAPTER 1 GETTING STARTED	1
Unpacking the OT-110	1
Checking the package contents	2
Identifying components	4
Charging Cradle	8
Setup the OT-110	9
Using the cradle	12
Charge the device in cradle	12
Charge the battery in cradle	12
Changing the battery	13
Using microSD cards	16
Installing a microSD card	16
View the contents of a microSD card	18
CHAPTER 2 USING THE DEVICE	19
Entering text	19
Shortcut menus	19
Windows CE help	20
Performing a reset	20
Opening and closing programs	20
Program switch	20
Status icons	20
Adjusting the volume	21
Setting the power schemes	22
Changing the device name	24
Entering owner information	25
Recalibrating the screen	27
Setting the date and time	28
Using Settings Manager	30
PC GetInfomation	37
Lock Screen	38
Connecting to a WLAN network	38
Automatically connect to a WLAN network	38
Manually connect to a WLAN network	40
Lock SSID	41
Specify the IP address and domain name servers (DNS)	42
Find your IP address	44
Synchronization	46
Copy or move files between the computer and OT-110	48

Install and remove programs.....	49
Backup data	51
Restore data.....	53
Upgrading Operating System.....	55
 CHAPTER 3 USING THE ACCESSORIES	 57
Attaching the stylus cord.....	57
Attaching the hand strap	58
Using the leather pouch	59
Attaching the leather pouch cord	60
Using the high quality stylus.....	61
 CHAPTER 4 INSTALLING THE OPTIONAL MODULES	 63
Installing the MSR module	63
Testing the MSR module	64
Installing the RFID reader/writer module.....	66
Testing the RFID reader/writer module	67
Installing the Barcode Scanner module	69
Testing the Barcode Scanner module	70
 APPENDIX	 73
Troubleshooting	73
Tips for Troubleshooting.....	73
General Problems	73
Having the OT-110 Serviced	74
Guidelines for care and maintenance	74
Using the device	74
Cleaning the device	74
Transporting and storing the device.....	74
Specifications.....	75

CHAPTER 1

GETTING STARTED

This chapter describes the procedures from unpacking the OT-110, to powering it on. The following topics are described.

- Unpacking the OT-110 on page 1
- Checking the package contents on page 2
- Identifying components on page 4
- Charging Cradle on page 8
- Setup the OT-110 on page 9
- Using the cradle on page 12
- Charge the device in cradle on page 12
- Charge the battery in cradle on page 12
- Changing the battery on page 13
- Using microSD cards on page 16
- Installing a microSD card on page 16
- View the contents of a microSD card on page 18

Unpacking the OT-110

The device and accessories are packed in a cardboard carton with foam padding for protection during shipping.

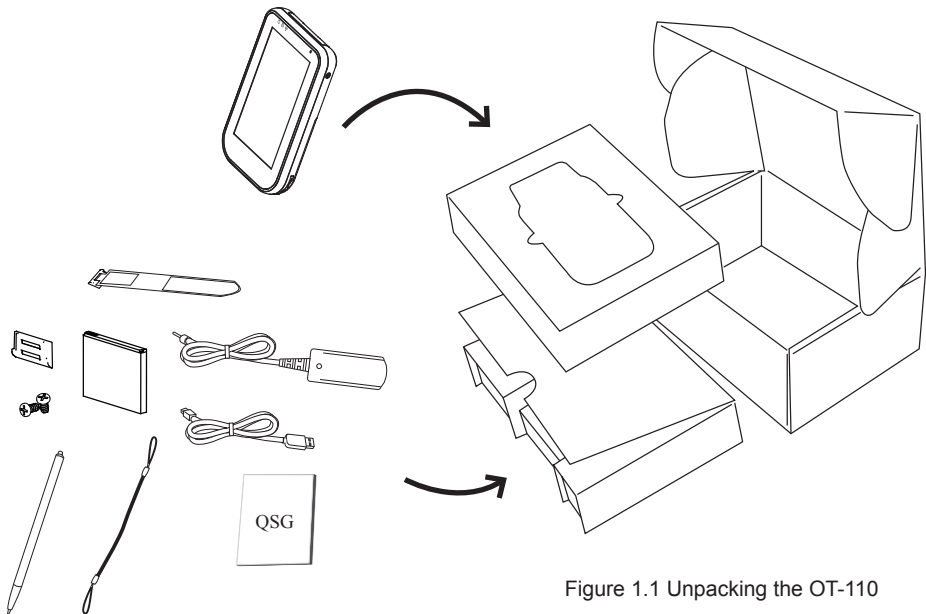
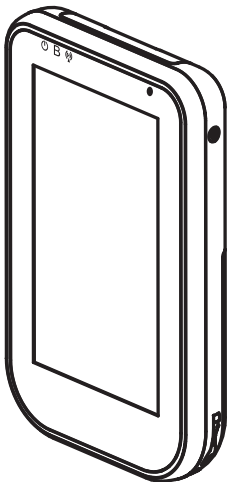


Figure 1.1 Unpacking the OT-110

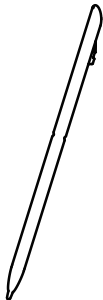
Carefully unpack the machine and keep the packing materials. If you need to ship it in the future, repack it as shown in Figure 1.1.

Checking the package contents

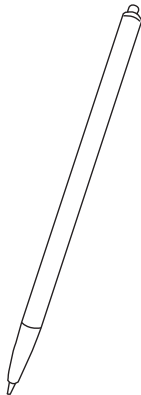
After you unpack the device check that the following items are included.



OT-110



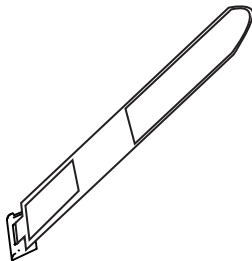
Stylus



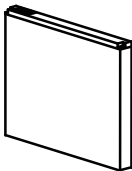
High quality stylus



Quick start guide



Hand strap



Battery



Stylus cord



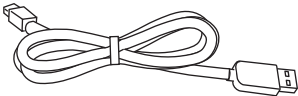
2 screws



Plastic hinge

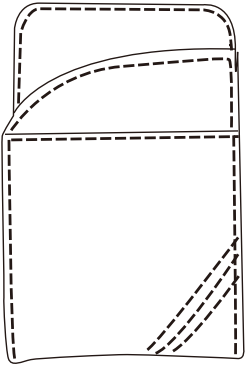


AC adaptor



mini-USB to USB cable

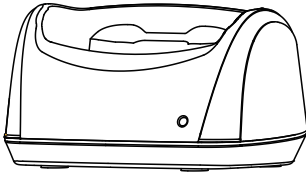
Optional



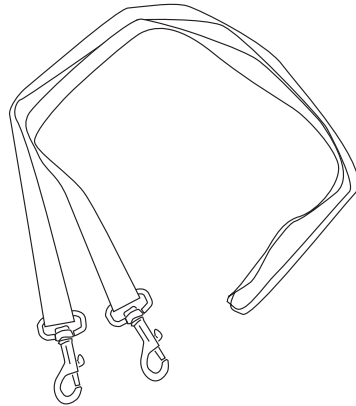
Leather pouch



Leather pouch cord



Cradle



Shoulder strap

If any item is missing or appears damaged, contact your dealer immediately.

Identifying components

This section describes the parts and connectors on the OT-110.

Front panel components

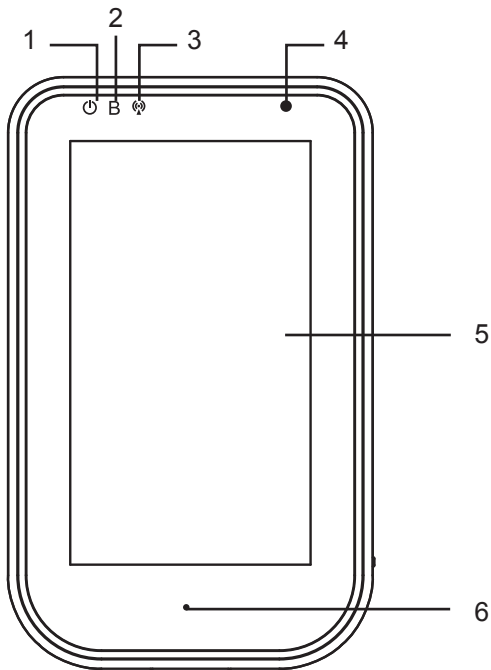


Figure 1.2 Front view

Component	Description
1	Power indicator (Green: charging full, Red: charging)
2	Bluetooth indicator (Blue: Bluetooth is Disabled)
3	WiFi indicator (Green: WiFi is enabled)
4	Light sensor
5	4.3-inch touch screen
6	Microphone

Top and bottom panel components

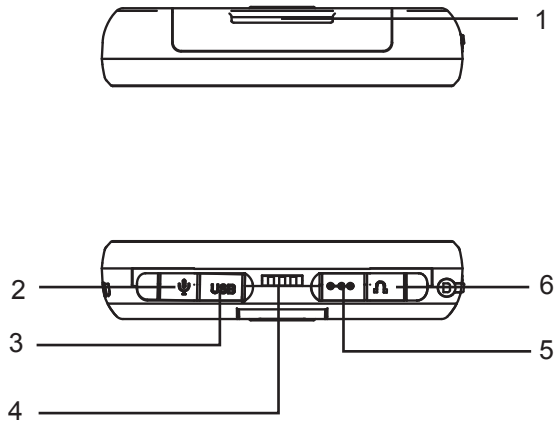


Figure 1.3 Top and bottom view

Component		Description
1	Top hand strap eyelet	
2	2.5mm microphone jack	
3	Mini-USB port	
4	Cradle connector	
5	DC power jack	
6	3.5mm headphone jack	

Left and right side components

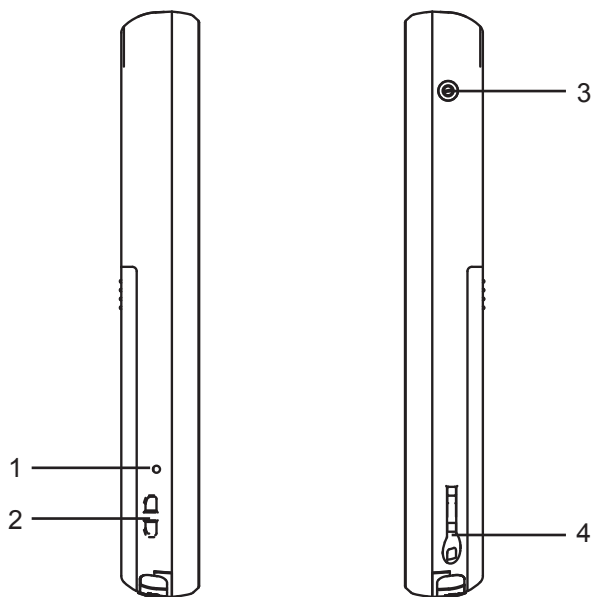


Figure 1.4 Left and right side view

Connector		Description
1		Reset button
2		Leather pouch strap eyelet
3		Power button
4		Stylus dock

Back panel components

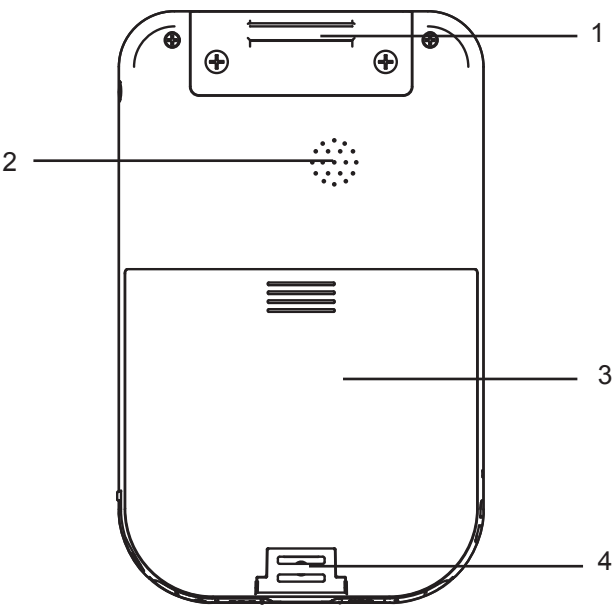


Figure 1.5 Back view

Connector		Description
1		Top hand strap eyelet
2		Speaker
3		Battery cover
4		Bottom hand strap eyelet

Charging Cradle

This section introduces the charging cradle for the OT-110.

The charging cradle is used to charge the OT-110. A second slot is also available for charging a spare battery.

Top and front view of the cradle

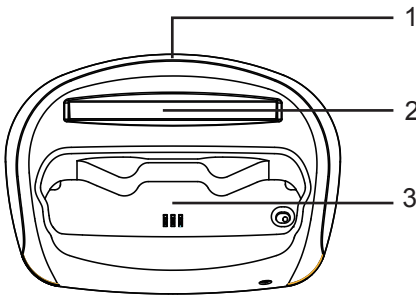


Figure 1.6 Top view of the cradle

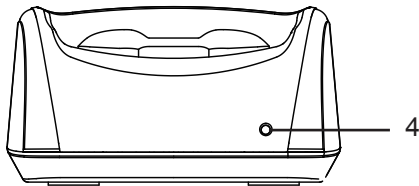


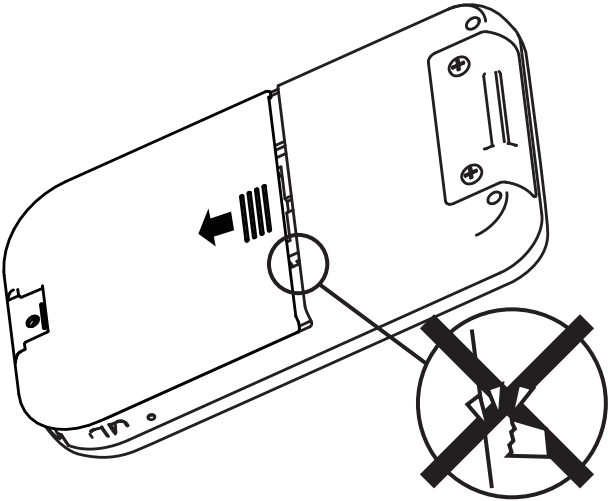
Figure 1.7 Front view of the cradle

Connector		Description
1	DC power connector	
2	Battery slot	
3	OT-110 socket	
4	Battery slot charging indicator	

Setup the OT-110

Refer to the following to setup the OT-110.

1. Remove the battery cover.

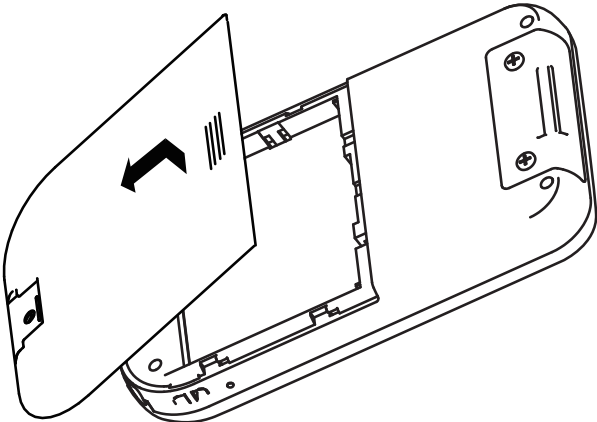


Slide the cover downwards to open.



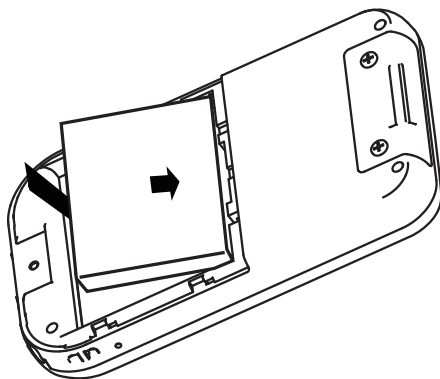
CAUTION

The battery cover hinge is small and fragile, don't break it by forcing the battery cover off. OT-110 can't be powered on without the hinge.



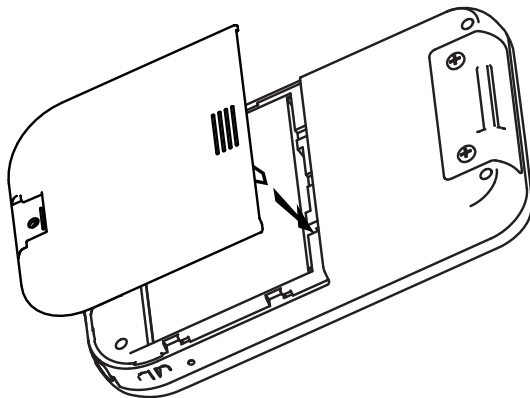
Lift up to remove the battery cover.

2. Install the battery.



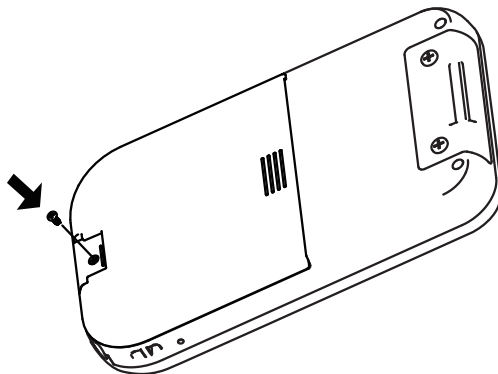
Align the battery connectors on the battery with the pins in the battery compartment and insert the battery.

3. Replace the battery cover and align hinge on the cover to the sensor hole in the battery compartment.



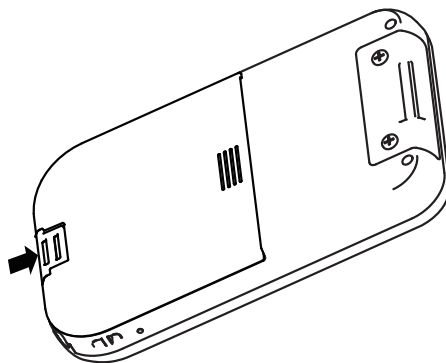
Slide the battery cover back until it locks.

4. Install the screw if required.

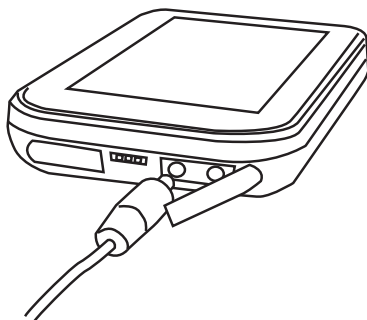


5. Insert the plastic hinge, or attach the hand strap.

(Refer to Chapter 3 - Attaching the hand strap).



6. Charge the battery.



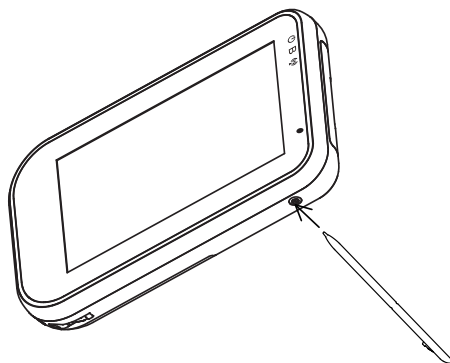
Open the power jack cover. Plug the AC adaptor power cord into an electrical outlet, then connect the DC plug of the adaptor cable to the OT-110. It takes approximately 6 hours to fully charge the battery for the first time. Subsequent charges might take longer.



To avoid damaging OT-110 or the AC adaptor, make sure all connectors are properly connected.

7. Use the stylus to press Power Button for three seconds to turn on OT-110.

- To turn off OT-110. Press Power Button for three seconds.

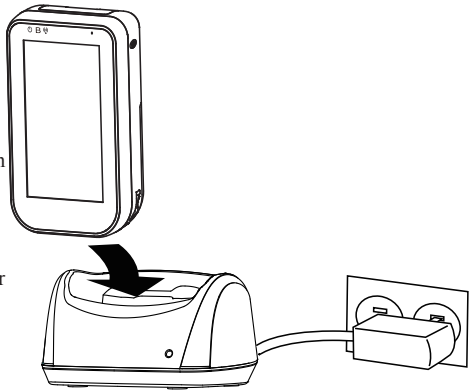


Using the cradle

The charging cradle allows a more convenient way to charge OT-110. You can charge a spare battery (optional) individually or simultaneously as well.

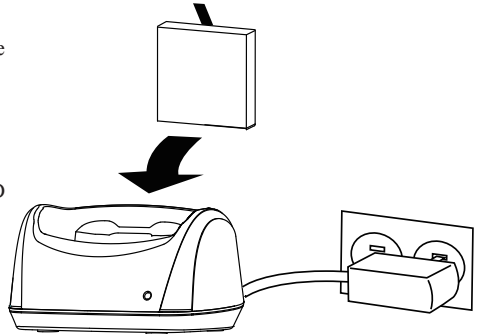
Charge the device in cradle

1. Plug the AC adaptor power cord into an electrical outlet, then connect the DC plug of the adaptor cable to the power jack at the back of cradle.
2. Insert OT-110 into the cradle with front of device on same side as front of cradle.
3. When device is inserted into cradle correctly, the Power LED on top left of device should turn red. Device charging is complete when the device Power LED turns green.



Charge the battery in cradle

1. Plug the AC adaptor power cord into an electrical outlet, then connect the DC plug of the adaptor cable to the power jack at the back of cradle.
2. Align the battery connectors on the battery with the pins in the second battery slot of the cradle, then install the battery in the direction of the arrow.
3. When battery is inserted into cradle correctly, the battery LED on the cradle should light up red. Battery charging is complete when the battery LED on the cradle turns green.



IMPORTANT

To protect and prolong the life of the battery, do not charge it for 24 hours or longer at a time.



IMPORTANT

If battery is not used, please store in dry area, ideally with storage temperature around 25°C, or within a temperature range of -10°C ~ 30°C to maximize longevity.



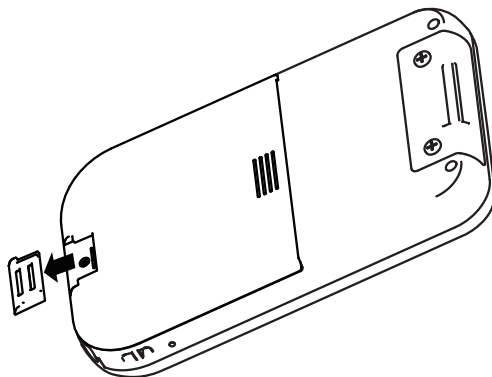
IMPORTANT

Please make sure to perform 3 complete full charge and discharge cycles to get optimal battery capacity. Failure to comply will result in shorter battery lifespan.

Changing the battery

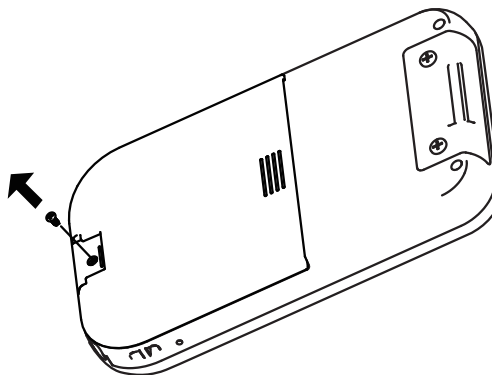
Refer to the following to change the battery.

1. Press the Power button to turn off the OT-110.
2. Remove the plastic hinge or the bottom of the hand strap.

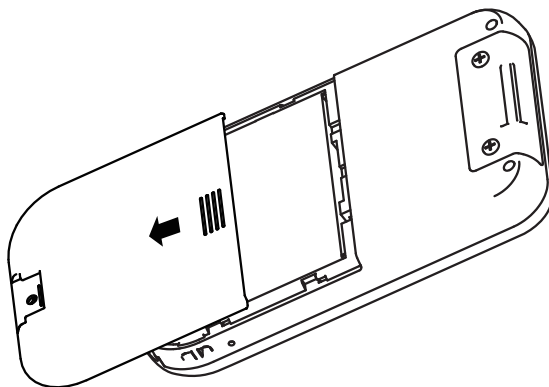


Slide the plastic hinge or hand strap down and away from the battery cover.

3. Remove the screw if the battery cover is locked.

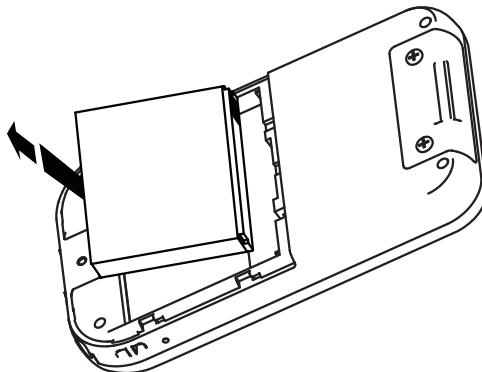


4. Remove the battery cover.

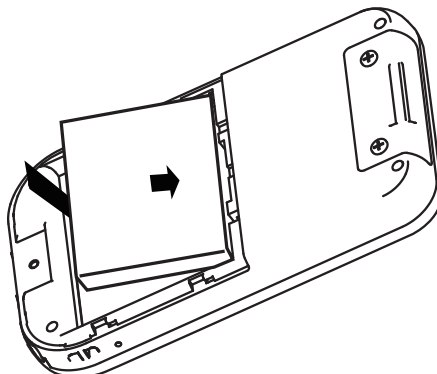


Slide the cover down, then lift up to remove.

5. Remove the battery by pulling on the plastic flap.

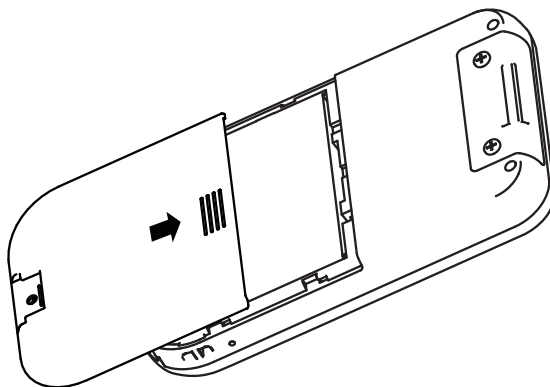


6. Install the new battery.



Align the battery connectors on the battery with the pins in the battery compartment and insert the battery.

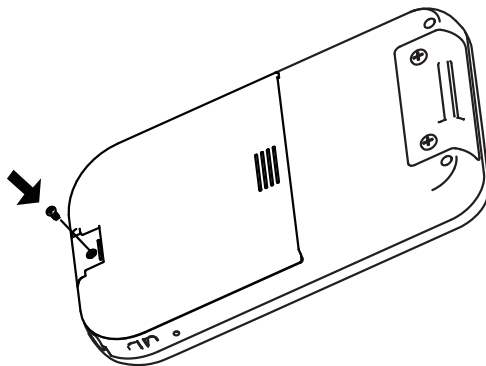
7. Replace the battery cover by sliding it until it locks.



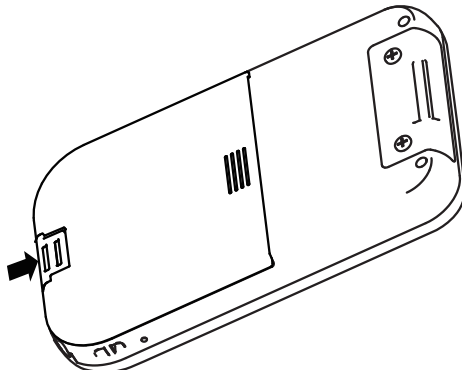
IMPORTANT

Breaking the battery cover hook can cause the device cannot detect the battery installation status. Please follow the step instructions and install the battery cover carefully to avoid device failure.

8. Reinstall the screw.



9. Replace the plastic hinge or the bottom of the hand strap.



Using microSD cards

Use microSD cards for:

- Expanding the memory of the OT-110
- Adding functionality

The OT-110 supports SDHC microSD cards.



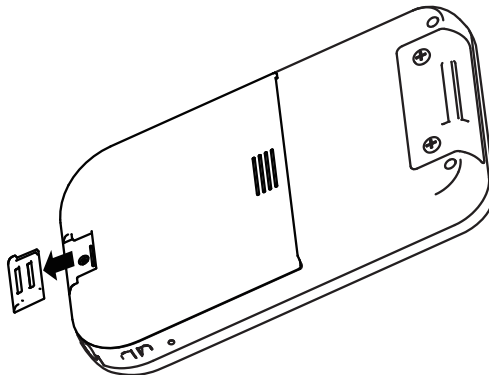
NOTE

microSD cards must be purchased separately and are not included with the OT-110.

Installing a microSD card

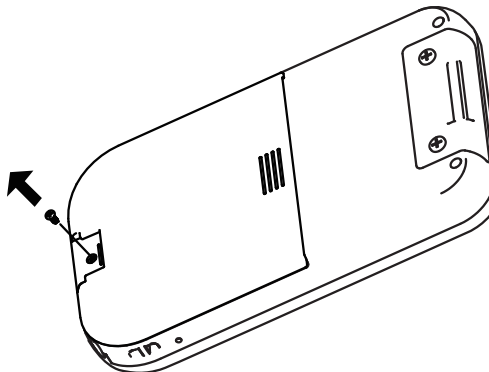
Refer to the following to install a microSD card.

1. Press the Power button to turn off the OT-110.
2. Remove the plastic hinge or the bottom of the hand strap.

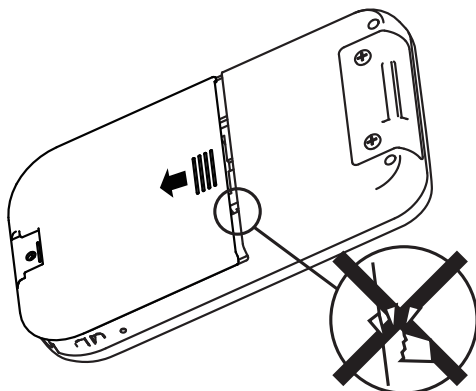


Slide the plastic hinge or hand strap down and away from the battery cover.

3. Remove the screw if the battery cover is locked.



4. Remove the battery cover.



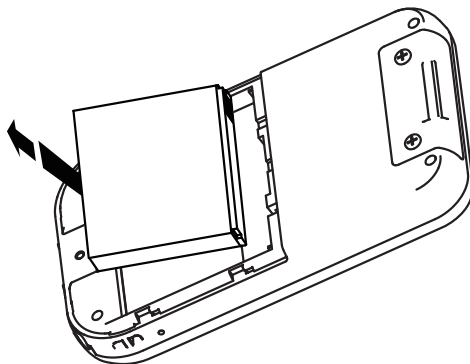
Slide the cover down, then lift up to remove.



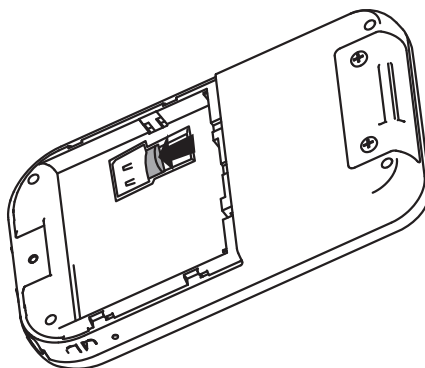
CAUTION

The battery cover hinge is small and fragile, don't break it by forcing the battery cover off. OT-110 can't be powered on without the hinge.

5. Remove the battery by pulling on the plastic flap.

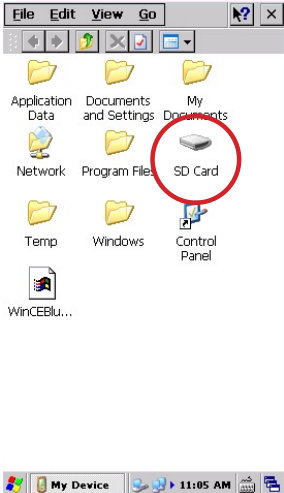


6. Insert the microSD card into the slot with the label facing out and push it until it clicks into place.



View the contents of a microSD card

Refer to the following to view the contents of a microSD card.

1. Tap  → Programs → Windows Explorer.	
2. Double tap SD Card to see a list of files and folders. • If the OT-110 does not recognize your MicroSD card, make sure you have firmly pushed the MicroSD card into the slot.	

CHAPTER 2

USING THE DEVICE

This chapter describes how to use OT-110 features. The following topics are described.

- Entering text on page 19
- Shortcut menus on page 19
- Windows CE help on page 20
- Performing a reset on page 20
- Opening and closing programs on page 20
- Program switch on page 20
- Status icons on page 20
- Adjusting the volume on page 21
- Setting the power schemes on page 22
- Changing the device name on page 24
- Entering owner information on page 25
- Recalibrating the screen on page 27
- Setting the date and time on page 28
- Using Settings Manager on page 30
- PC GetInformation on page 37
- Lock Screen on page 38
- Connecting to a WLAN network on page 38
- Synchronization on page 46
- Copy or move files between the computer and OT-110 on page 48
- Install and remove programs on page 49
- Backup data on page 51
- Restore data on page 53
- Upgrading Operating System on page 55

Entering text

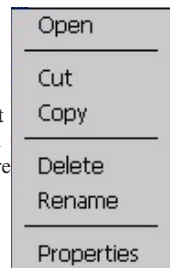
You can use the Input Panel to enter text. To use the Input Panel, tap the  on the taskbar.



Tap keys on the Input Panel to enter text.

Shortcut menus

A shortcut menu is displayed when you tap and hold an item. This menu displays the most common commands for the specific item. When the shortcut menu displays, tap the action you want to perform. To close a shortcut menu without performing an action, tap anywhere outside the menu.



Windows CE help

Read the help information when you want to learn more about the program by tapping the  on the left top of the program window. The help window will pop-up.

Performing a reset

A reset stops all running applications, but does not erase any programs, saved data, or registry information.

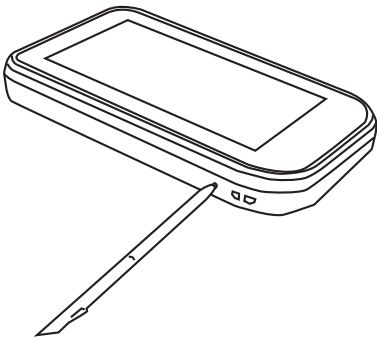


NOTE

Be sure to close all running applications before performing a reset.

To perform a reset:

- 1. Locate the recessed Reset button on the device.
- 2. Use the stylus to lightly press the Reset button.



Opening and closing programs

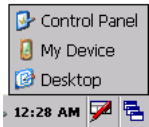
You do not need to exit a program to open another or to conserve memory. The system manages memory automatically.

To open a program, tap , and then select the required program from the list. If you do not see the program you want to launch, tap  → Programs.

In most cases, selecting  or  will close an application.

Program switch

You can use the program switch to quickly select the running program. To use the program switch, tap the  on the taskbar, then tap the program you want on the list.



Status icons

There are status icons in taskbar. The following table lists the icons and their meanings.

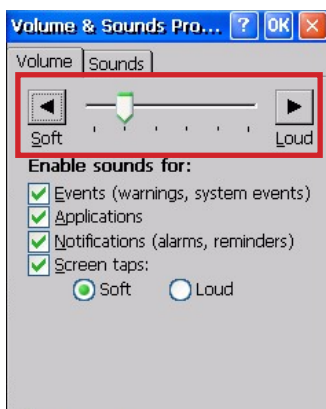
Icon	Status
	Battery charging
	Battery level low
	Battery level critical

Icon	Status
	WLAN connected
	WLAN not connected
	USB connected

Adjusting the volume

1. Tap  → Settings → Control Panel.	
2. Double tap the Volume & Sounds icon.	

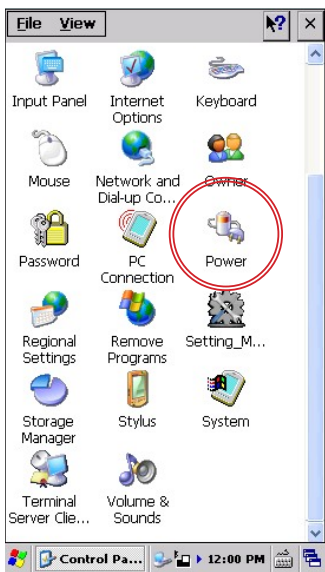
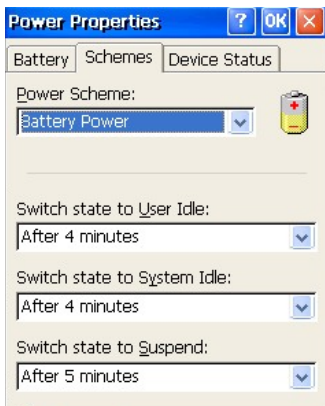
3. Select the Volume tab.
4. Move the system volume slider on the screen to the required volume level.
5. Tap the OK button.



Setting the power schemes

1. Tap  → Settings → Control Panel.



2. Double tap the Power icon.	 The screenshot shows the Windows Control Panel window with the 'Power' icon circled in red. The window title is 'File View' and it contains various system settings icons like Input Panel, Internet Options, Keyboard, Mouse, Network and Dial-up Connections, Password, PC Connection, Regional Settings, Remove Programs, Setting_M..., Storage Manager, Stylus, System, Terminal Server Client..., and Volume & Sounds. The taskbar at the bottom shows the Start button, Control Panel icon, and the system clock displaying 12:00 PM.
3. Select the Schemes tab. 4. Select desired options for entering reduced power states. 5. Tap the OK button.	 The screenshot shows the 'Power Properties' dialog box with the 'Schemes' tab selected. The 'Power Scheme' dropdown is set to 'Battery Power'. Below, there are three sections for switching states: 'Switch state to User Idle:' set to 'After 4 minutes', 'Switch state to System Idle:' set to 'After 4 minutes', and 'Switch state to Suspend:' set to 'After 5 minutes'. Each section has a dropdown arrow to the right. The dialog has 'OK' and 'Cancel' buttons at the top right.



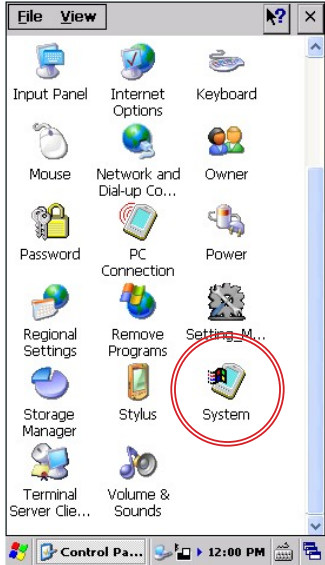
The time choices represent the amount of time that must pass before the system will switch to the next power conservation state. For example, if “Switch state to System Idle:” is set to “After 4 minutes,” then the system will transition from the User Idle state to the System Idle state after 4 minutes of inactivity.

Changing the device name

The device name is used to identify the OT-110 in the following situations:

- Connecting with a computer
- Connecting to a network

Refer to the following to change the device name.

1. Tap  → Settings → Control Panel.	
2. Double tap the System icon.	

3. Select the Device Name tab.
4. Enter a name. The device name must begin with a letter, consist of letters from A to Z and numbers from 0 to 9, and should not contain spaces.
5. Tap the OK button.



Entering owner information

Enter your personal information, such as your name and address, so that the OT-110 can be returned to you if it is lost. Refer to the following to enter the information.

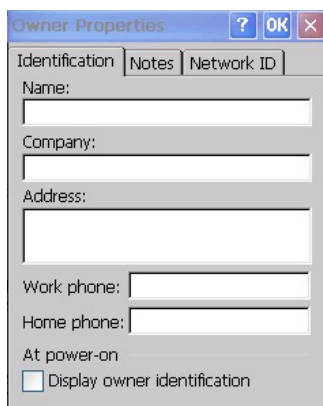
1. Tap  → Settings → Control Panel.



2. Double tap the Owner icon.

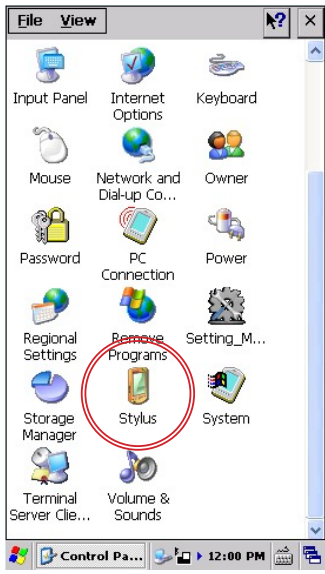


3. On the Identification tab, enter your personal information.



Recalibrating the screen

If your stylus seems to be out of sync with the screen, then recalibrate the screen using your stylus.

1. Tap  → Settings → Control Panel.	
2. Double tap the Stylus icon.	

3. Select the Calibration tab then tap the Recalibrate button.
4. Follow the displayed instructions to recalibrate. Please use the stylus to calibrate the screen for better accuracy.



Setting the date and time

Refer to the following to set date and time.

1. Tap  → Settings → Control Panel.

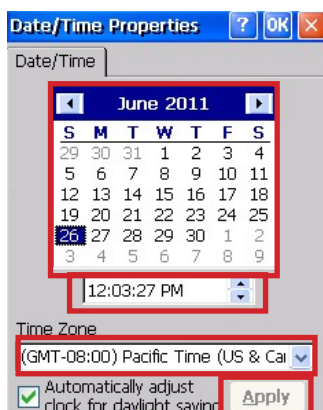


2. Double tap the Date/Time icon.



3. Change the date or time and select the correct time zone.

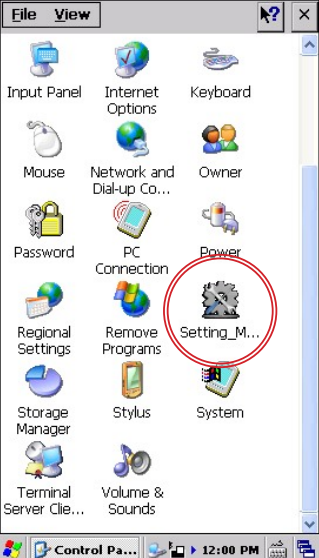
4. Tap the Apply button.



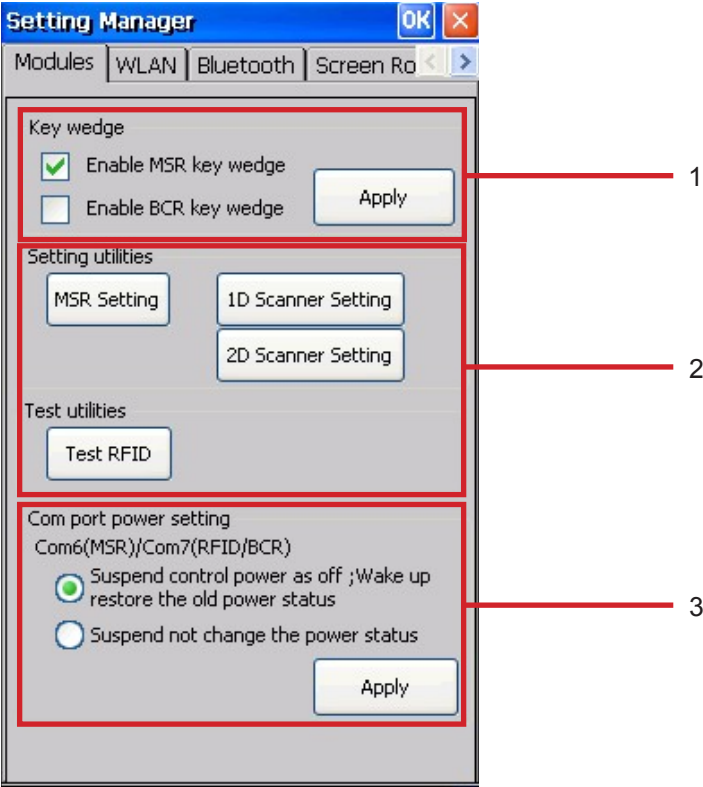
Using Settings Manager

Settings Manager controls settings for Modules, WLAN, Bluetooth, screen rotation, backlight and vibration.

To enter Settings Manager

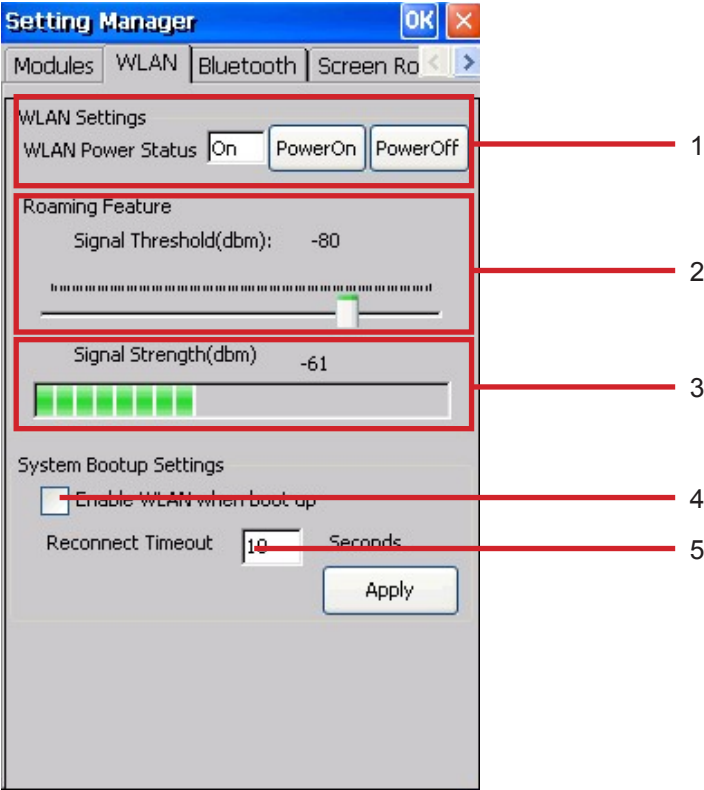
1. Tap  → Settings → Control Panel.	
2. Double tap the Setting Manager icon.	

Modules tab



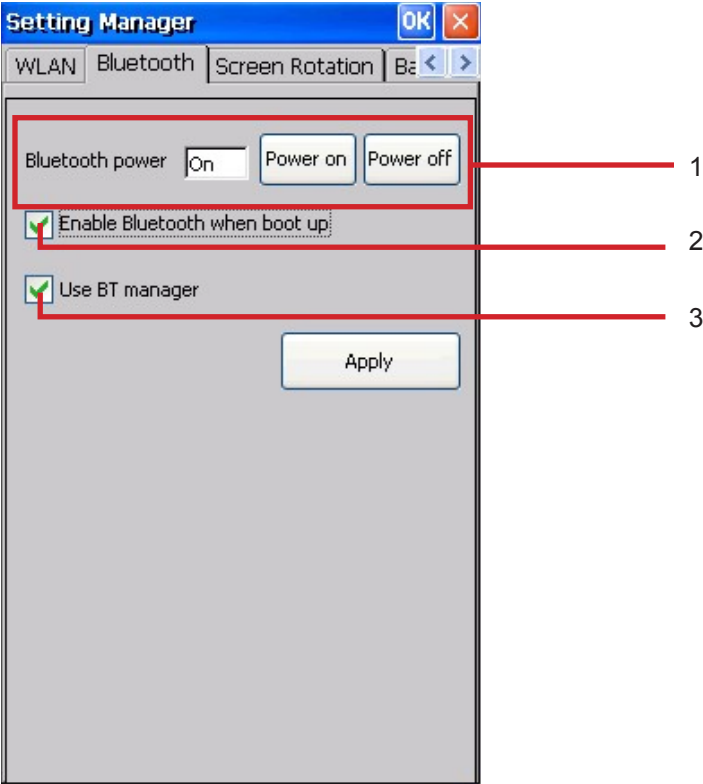
Item	Description
1	Check the box and tap the Apply button to enable MSR/ BCR key wedge mode. Key wedge mode is a software interface lets you to convert MSR/ BCR input data to keystrokes.
2	These button are used to enter the mouldle test utilities. You can use these utilities to test the installed modules.
3	Select the COM port power setting for COM6 (MSR mouldle) and COM7 (RFID/ BCR mouldle), and then tap the Apply button to confirm.

WLAN tab



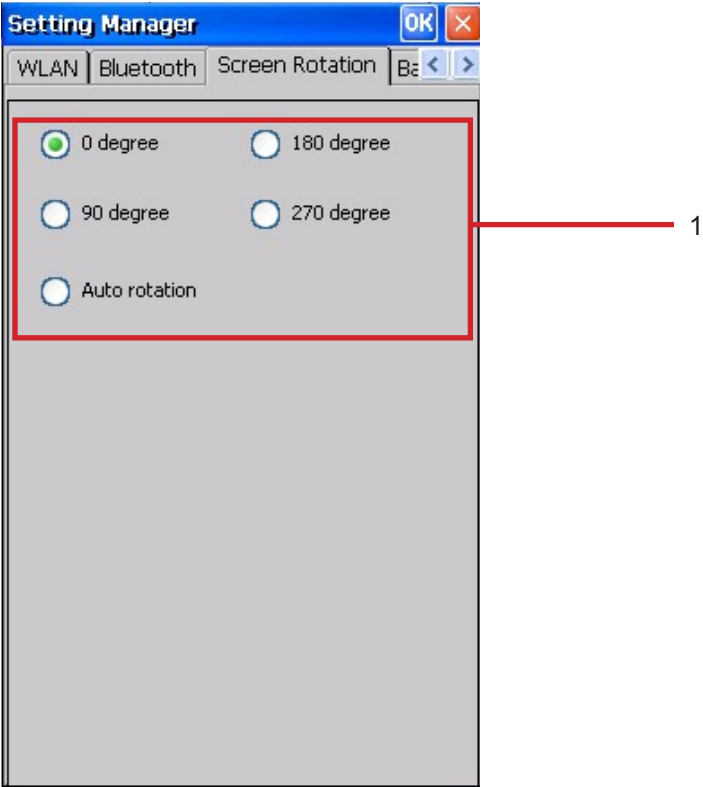
Item	Description
1	This block allows you to turn WLAN on/off.
2	This feature allow you to set the WLAN roaming. When the signal strength of the old access point drops below the threshold setting value, the device will attempt to connect to the new access point.
3	This bar shows the strength of current signal.
4	Check this box to enable WLAN when device boots up.
5	Whenever device attempts to connect to a wireless network and fails, there is a delay before it attempts to connect again. To change this value, please enter a number between 1 and 600 seconds.

Bluetooth tab



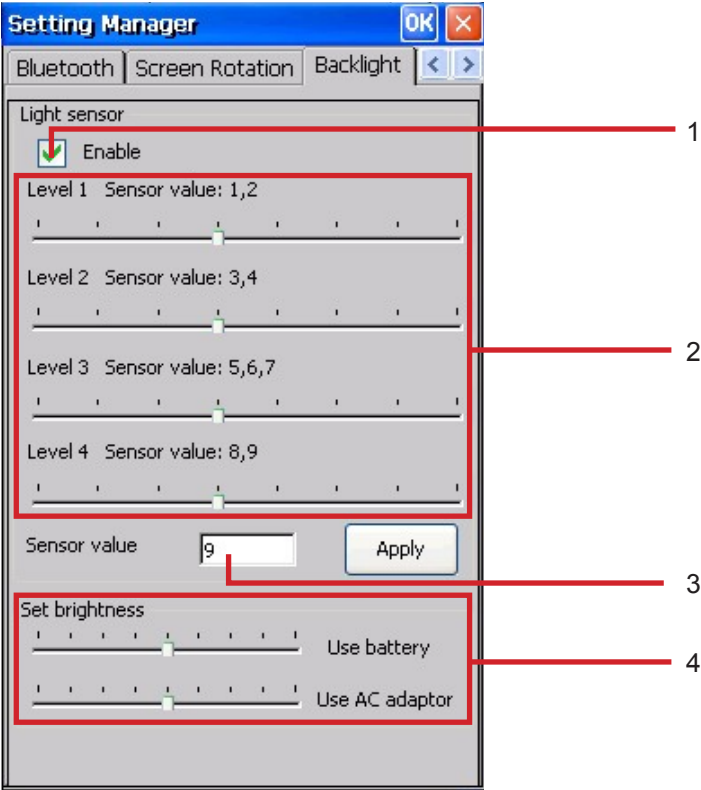
Item	Description
1	This block allows you to turn Bluetooth on/off.
2	Check this box to enable Bluetooth when device boots up.
3	Check this box to use BT manager, and also run BT manager when device boots up. When it is enabled, the BT manager icon will appear on the taskbar. For more information on BT manager, please consult following section “Using BT Manager”.

Screen Rotation tab



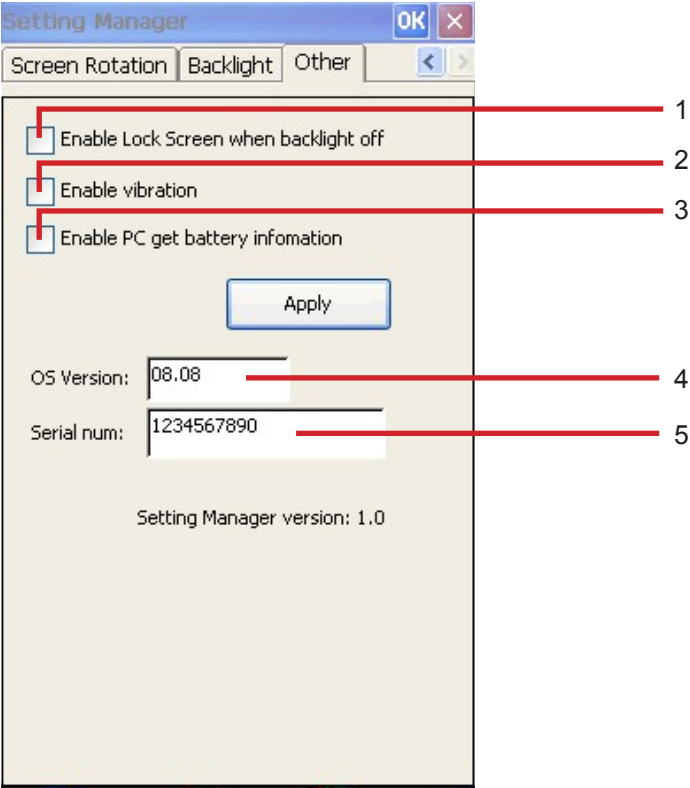
Item	Description
1	Screen rotation can be changed by select the different options (0, 90, 180, 270, Auto). Once Auto Rotation is enabled, the screen will rotate automatically when the device is turned sideways.

Backlight tab



Item	Description
1	Check this box to enable the light sensor.
2	The light sensor has nine values. With this panel you can adjust your backlight levels according to the values.
3	This box shows the current value of the light sensor.
4	These two bars allow you to set screen brightness for battery and AC modes separately.

Other tab



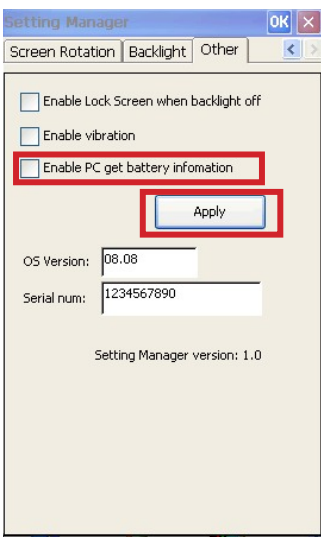
Item	Description
1	Check this box to enable Lock Screen when backlight off.
2	Check this box to enable the vibration feature.
3	Check this box to enable PC get battery information. With this feature you can read the device information from the software application that you have installed in Windows.
4	This box shows the current OS version of the device.
5	This box shows the serial number of the device.

PC GetInfomation

With PC GetInfomation, administrator can monitor the battery information of devices via network. To use the PC GetInfomation:

Both your PC and OT-110 must be in the same IP subnet. For example the IP of your PC is 192.168.1.1 and your OT-110 is 192.168.1.2

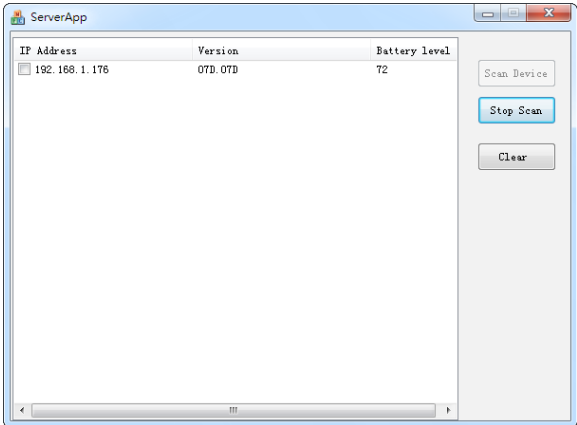
- Use your OT-110. Check “Enable PC get battery information” on the “Other” tab of the Setting manager, and then tap “Apply”.



3. Use your PC. Active PC GetInfomation by double-clicking the ServerApp.exe file.

4. Click “Scan Device”

5. The OT-110 Battery Level will be shown on the window.



Lock Screen

When activated, Lock Screen will disable audio and lock the screen. User will see the following when touch the screen.	Screen is Locked. Please press buttons below to unlock screen Press Here Press Here
---	--

Connecting to a WLAN network

With wireless access, you can connect the device to the Internet. The device can connect to an IEEE 802.11b/g device or connect directly to other WLAN-enabled devices.

Automatically connect to a WLAN network

When you turn on the WLAN, the device will automatically detect WLAN networks that are broadcasting their signals (SSID network name). If your WLAN network is not set to broadcast SSID, then you have to connect to it manually. Before trying to connect to a WLAN network, determine if authentication information is needed by contacting your network administrator.

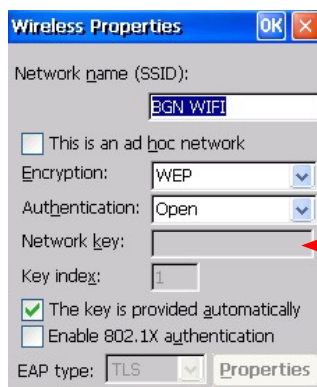
To automatically connect to a WLAN network:

1. Turn on the WLAN. 2. Double tap  or  on the taskbar.	
---	---

3. Select the Wireless Information tab.
4. Select an available network.
5. Tap the Connect button.



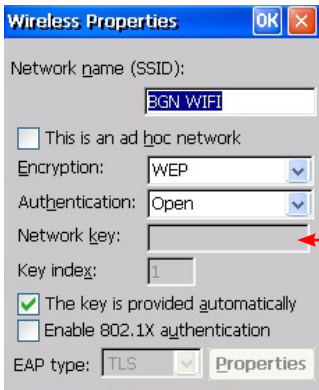
6. Set the properties. Normally, all settings will be detected automatically. If necessary, you can change settings as follow.
 - To use data encryption, select an encryption method from the Encryption list.
 - To use authentication, select the authentication method from the Authentication list.
7. Tap the OK button.



Manually connect to a WLAN network

A wireless network can be added manually by entering the settings information to add the network. Contact your network administrator to determine if authentication information is needed before trying to connect to a WLAN network.

To manually connect to a WLAN network:

1. Turn on the WLAN. 2. Double tap  or  on the taskbar.	
3. Select the Wireless Information tab. 4. Tap Add New...	
5. Set the properties. 6. Enter the SSID. • To use data encryption, select an encryption method from the Encryption list. • To use authentication, select the authentication method from the Authentication list. 7. Tap the OK button.	 Enter network key if necessary

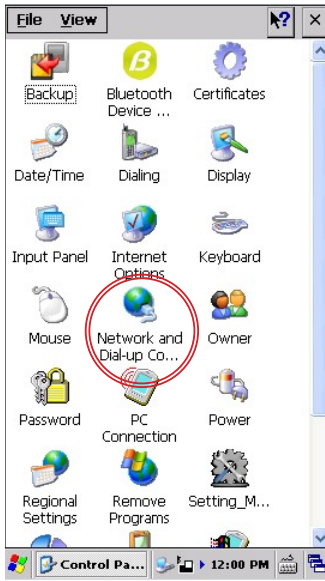
Lock SSID

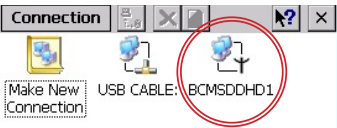
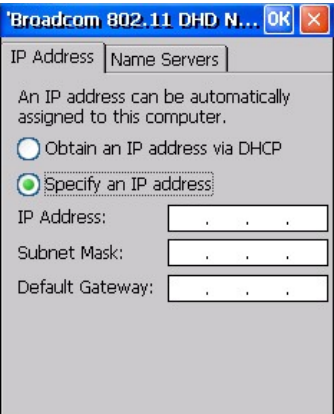
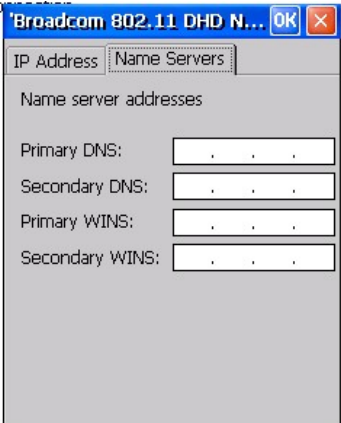
SSID Lock allows device to only connect to a defined SSID network. This feature saves time as device no longer searches for available networks, and also saves battery power. Check this box and enter the SSID name of the network device should connect to.

1. Turn on the WLAN. 2. Double tap  or  on the taskbar.	
3. Select the Wireless Information tab. 4. Select the network. 5. Tap Lock.	

Specify the IP address and domain name servers (DNS)

The IP address and name server addresses are automatically assigned if DHCP is enabled on the wireless access point or network server. If your network does not automatically assign the addresses, ask your network administrator for the information and follow the instructions below.

1. Tap  → Settings → Control Panel.	 The screenshot shows a Windows XP desktop with the Start menu open. The 'Control Panel' option is highlighted with a red rectangle. The desktop background features the 'PARTNER' logo. Icons for Internet Explorer and a folder are visible at the top left. The taskbar at the bottom shows the time as 12:00 PM.
2. Double tap the Network and Dial-up Connections icon.	 The screenshot shows the Windows Control Panel window. The 'Network and Dial-up Connections' icon is circled in red. The window title bar reads 'File View'. The taskbar at the bottom shows the time as 12:00 PM.

3. Double tap the WLAN connection icon.	
4. Tap <i>Specify an IP address</i>. 5. Enter <i>IP address, Subnet Mask, Default Gateway</i>.	
6. Tap the <i>Name Servers</i> tab on top 7. Enter the DNS or WINS addresses. 8. Tap the OK button.	

Find your IP address

To find your IP address:

1. Double tap  or  on the taskbar.	
2. The WLAN IP address is displayed at the IP Information tab.	

Using BT Manager

BT Manager is a small utility which allows OT-110 to search and connect to Bluetooth devices using the SPP profile (Serial Port Profile).

To use the BT Manager, please enable it via the Settings Manager.

Once enabled, the BT manager icon will appear on the taskbar shown as below.

1. Double-click on the icon to open the BT Manager window.	
2. Click on the Search button to search for devices.	

3. The window name on top will change to “Search running...”. Bluetooth devices will appear in the list as shown Please wait for search to finish. To cancel the search, please press the STOP Sch. button.	
4. Searching is complete once window name shows “BT Manager” again. Select the Bluetooth device in the list that you wish to connect to, and click on the Connect button.	
5. The Bluetooth device may ask for a PIN number to authenticate with OT-110. Enter the same PIN number on both devices. For Partner Tech MP-300 Bluetooth mobile printer, the default PIN number is 0000.	
6. Once the Bluetooth device is connected successfully, a message appears in the window. 7. When connected to Partner Tech MP-300 Bluetooth mobile printer, click on the Print button to print a test message. 8. To disconnect from the Bluetooth device, click on the STOP button. 9. To hide the BT Manager window, click on the Hide button.	



Clicking on the X button on the top right of the window will close the BT Manager utility.

Synchronization

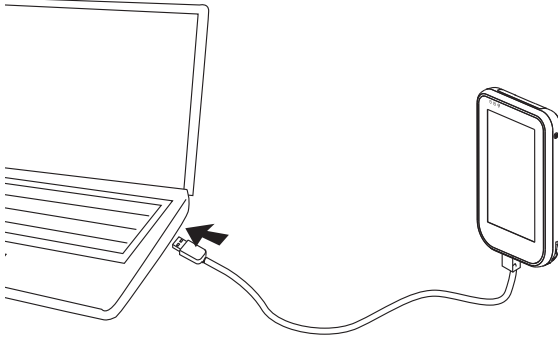
By synchronizing OT-110 with your computer, you have access to the same information—your Microsoft Office Outlook e-mail messages and calendar, your media files, your work documents, and more—on OT-110 or your computer. It's a good idea to synchronize regularly.

Before you begin, get the Mini-USB to USB cable, you'll use it to download and install a program that syncs content between OT-110 and your computer.

If your computer is running Windows Vista or 7, synchronization settings are managed through Windows Mobile Device Center (WMDC). You can also visit <http://www.microsoft.com/windowsmobile> to download WMDC.

Synchronize your data with ActiveSync and Windows XP

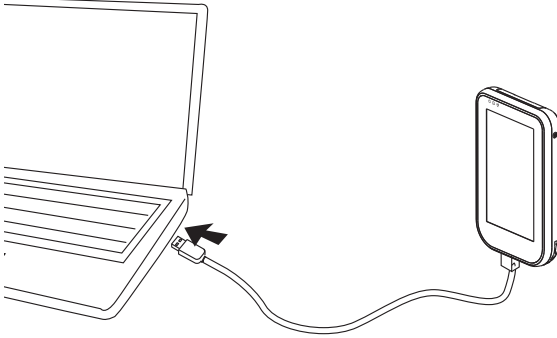
1. Install Microsoft ActiveSync. If your computer is running Windows XP or an earlier version, synchronization settings are managed through Microsoft ActiveSync. You can visit <http://www.microsoft.com/windowsmobile> for more information or to download Microsoft ActiveSync.
2. Download and install ActiveSync on your computer.
3. Connect the OT-110 to the computer by using the Mini-USB to USB cable.



4. Sync your e-mail, contacts, and calendar appointments (if you use the calendar in your e-mail account).
5. Sync your music, photos, videos, and other files.

Synchronize your data with ActiveSync and Windows Vista/ 7

1. Download and install WMDC on your computer. If your computer is running Windows Vista or 7, synchronization settings are managed through Windows Mobile Device Center (WMDC). You can also visit <http://www.microsoft.com/windowsmobile> to download WMDC.
2. Connect the OT-110 to the computer by using the Mini-USB to USB cable.



3. Sync your e-mail, contacts, and calendar appointments (if you use the calendar in your e-mail account).
4. Sync your music, photos, videos, and other files.

Copy or move files between the computer and OT-110

You can copy files to and from the computer using ActiveSync.

To copy or move files using ActiveSync (Windows XP):

1. Connect OT-110 to the computer using a Mini-USB to USB cable.
2. On the computer, select Start > Programs > ActiveSync.
3. In the ActiveSync window, select Explore.
4. Double-click My Windows Mobile-Based Device.
5. Open Windows Explorer on your computer and locate the files to be copied.
6. Right-click the file that you want to copy or move, then click Copy or Cut.
7. Scroll to and then click Mobile Device, open the folder to or from which you want to copy or move a file. Right-click in the folder that you want to move it to, and then click Copy, Cut, or Paste.
8. If the File Conversion dialog box appears, click OK.

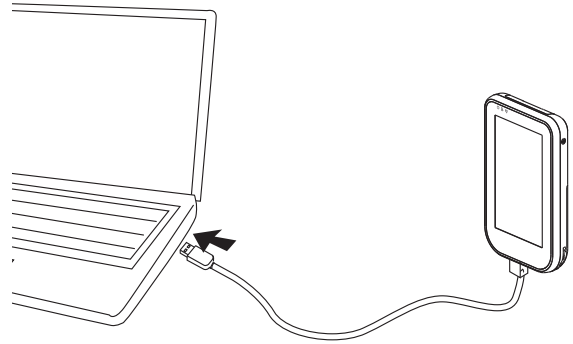
To copy or move files using WMDC (Windows Vista/ 7):

1. Connect OT-110 to the computer using a Mini-USB to USB cable and wait for WMDC to launch automatically.
2. Click File Management to open the Mobile Device folder for OT-110.
3. In the Mobile Device folder, navigate and select the file that you want to copy on OT-110 or computer.
4. Right-click the file that you want to copy or move, then click Copy or Cut.
5. Scroll to and then click Mobile Device, open the folder to or from which you want to copy or move a file. Right-click in the folder that you want to move it to, and then click Copy, Cut, or Paste.
6. If the File Conversion dialog box appears, click OK.

Install and remove programs

To install programs on the OT-110:

1. Use a Mini-USB to USB cable to connect the OT-110 to the computer.
2. Follow the instructions in the Installation Wizard provided with the program you want to install.
3. Check the screen on the OT-110 to see if any further steps are necessary to complete the program installation.



To remove programs from the OT-110:

1. Tap  → Settings → Control Panel.



2. Double tap the Remove Programs icon.	 The screenshot shows the Windows XP Control Panel window. The title bar reads 'File View'. The window contains a grid of icons representing various system settings. The 'Remove Programs' icon, which features a computer monitor with a red 'X' over it, is circled in red. Other visible icons include Input Panel, Internet Options, Keyboard, Mouse, Network and Dial-up Co..., Owner, Password, PC Connection, Power, Regional Settings, Setting_M..., Storage Manager, Stylus, System, Terminal Server Cle..., and Volume & Sounds. The taskbar at the bottom shows the Start button, 'Control Pa...', and the system clock displaying '12:00 PM'.
3. Select the programs you want to remove, and then tap the Remove button.	 The screenshot shows the 'Remove Programs' dialog box. The title bar is blue and contains the text 'Remove Programs' along with help, OK, and Cancel buttons. The main area has a tab labeled 'Remove Programs'. Below the tab, the text reads: 'To remove a program, select it and then press Remove.' There is a large, empty rectangular box for selecting a program. At the bottom of the dialog, there is a button labeled 'Remove.'.

Backup data

Backup request the MicroSD card installed

1. Tap  → Settings → Control Panel.



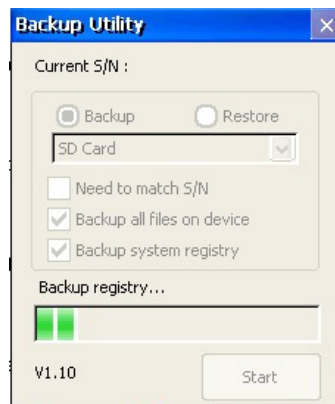
2. Double tap the Backup icon.



3. Select Backup.
4. Select SD card
 - To use SN protection, check the box of Need to match S/N. When restore, the device serial number must match the serial number embedded in the backup.
 - To backup all files on device, check the box of Backup all files on device.
 - To backup system registry, check the box of Backup system registry.
5. Tap the Start button.



6. Wait period for backup process.



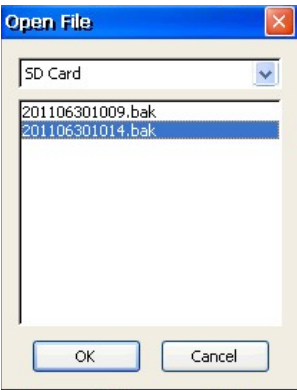
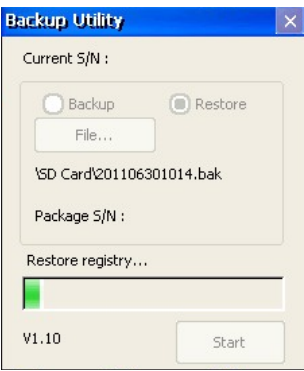
7. When backup is complete, the system will prompt you.



Restore data

To restore the backup data:

1. Tap  → Settings → Control Panel.	
2. Double tap the Backup icon.	

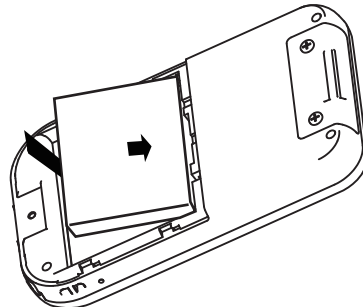
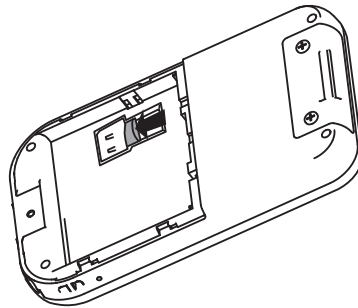
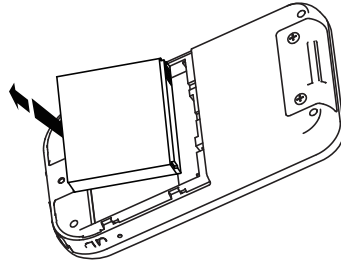
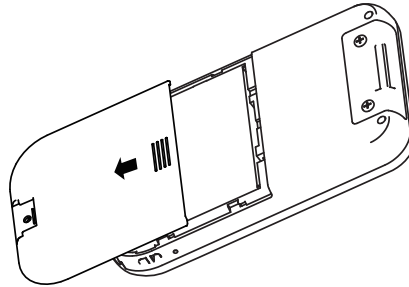
3. Select Restore. 4. Click the File... button.	
5. Select the backup file. 6. Click the OK button.	
7. Wait period for restore process.	
8. When restore is complete, the system will prompt you to reboot the device. 9. Click OK.	

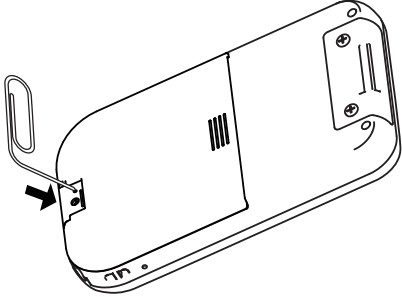
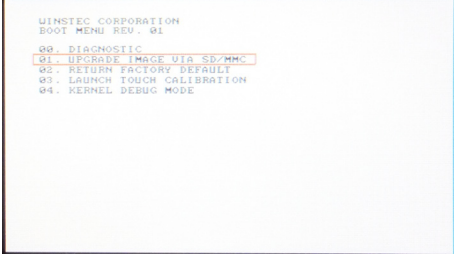
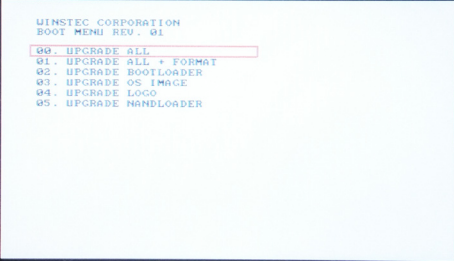
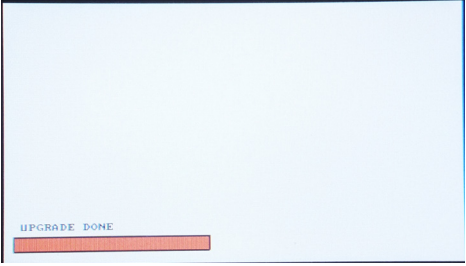
Upgrading Operating System

Unless you are familiar with the firmware do not do the following operation.

To upgrade Operating System:

1. Fully charge the battery
2. Copy new OS files to the root directory of your Micro SD card.
3. Power off OT-110.
4. Open the battery compartment cover and remove the battery.
5. Insert the Micro SD card into OT-110.
6. Install the battery back.



7. Use a paper clip press and hold the update button on the battery cover and then press the power button. When the machine starts to vibrate, please release these buttons.	
8. Press the power button to select “01. UPGRADE IMAGE VIA SD/ MMC” and then press and hold the power button for five seconds to confirm.	 <pre> WINSTEC CORPORATION BOOT MENU REV. 01 00. DIAGNOSTIC 01. UPGRADE IMAGE VIA SD/MMC 02. RETURN FACTORY DEFAULT 03. LAUNCH TOUCH CALIBRATION 04. KERNEL DEBUG MODE </pre>
9. Press the power button to select “00. UPGRADE ALL” or “01. UPGRADE ALL + FORMAT”, and then press and hold the power button for five seconds to confirm.	 <pre> WINSTEC CORPORATION BOOT MENU REV. 01 00. UPGRADE ALL 01. UPGRADE ALL + FORMAT 02. UPGRADE BOOTLOADER 03. UPGRADE OS IMAGE 04. UPGRADE LOGO 05. UPGRADE HANDLOADER </pre>
10. When the screen displays “UPGRADE DONE” remove the battery cover, remove the battery. 11. Replace the battery and the cover. 12. Power on the device.	

CHAPTER 3

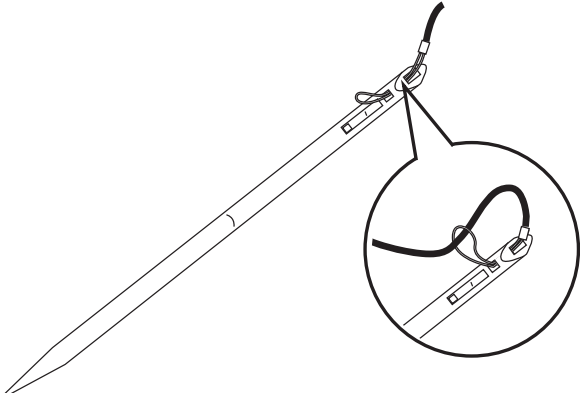
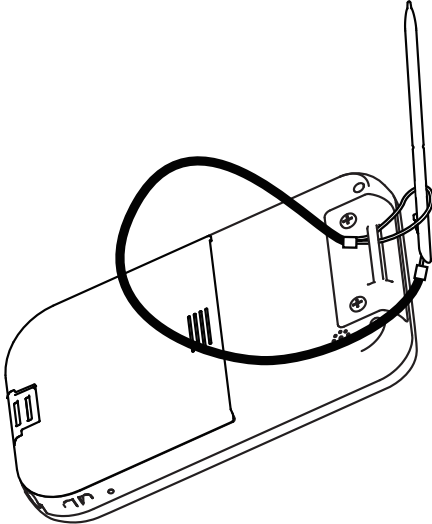
USING THE ACCESSORIES

This chapter describes how to use the device accessories.

- Attaching the stylus cord on page 57
- Attaching the hand strap on page 58
- Using the leather pouch on page 59
- Attaching the leather pouch cord on page 60
- Using the high quality stylus on page 61

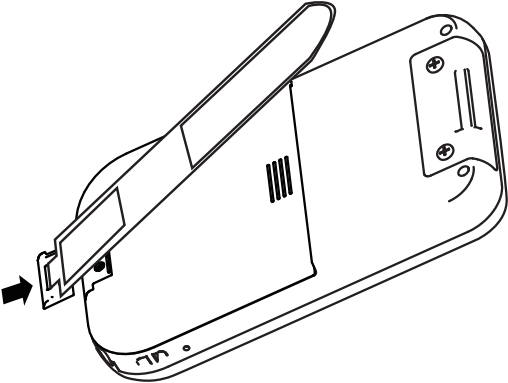
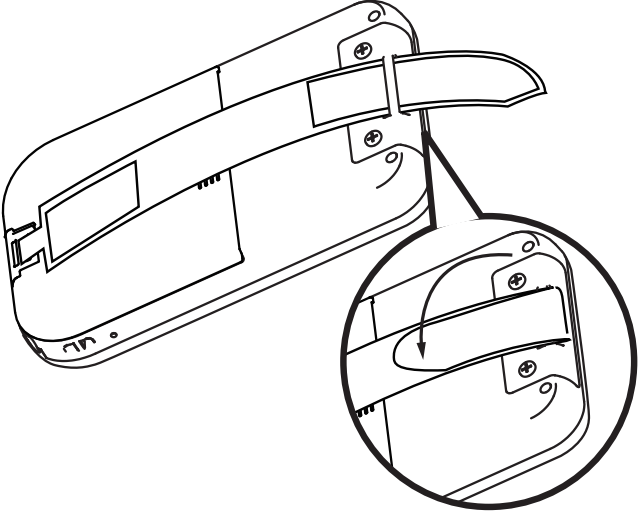
Attaching the stylus cord

Refer to the following to attach the stylus cord.

1. Thread the small loop of the stylus cord through the strap eyelet on the stylus and pull the other end of the cord through the small loop until the cord is firmly secured.	
2. Thread the other small loop of the stylus cord through the top hand strap eyelet on the device and use stylus pull the cord through the small loop until the cord is firmly secured.	

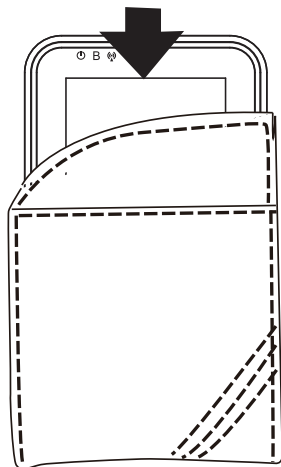
Attaching the hand strap

Refer to the following to attach the hand strap.

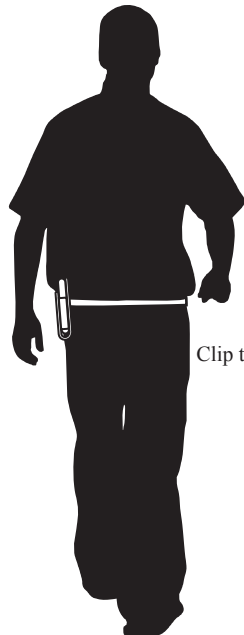
1. Insert the bottom of the hand strap into the slot at the bottom of the battery cover, until it clicks into place.	 A line drawing of a handheld device with its battery cover open. A hand strap is shown being inserted into a slot at the bottom of the battery cover. An arrow points to the strap's end, indicating the direction of insertion.
2. Thread the end of the hand strap through the top hand strap eyelet on the device then fold and stick together. • The hand strap length can be adjusted by sticking the Velcro to a higher or lower position on the strap.	 A line drawing of the handheld device with the hand strap attached. The strap is threaded through a top eyelet and folded back to stick to itself. A circular inset provides a magnified view of the strap's attachment point, showing the Velcro fastener and the strap's position relative to the device's body.

Using the leather pouch

Using the leather pouch to carry the OT-110 is a good way to keep it protected. Simply insert the device into the leather pouch as shown below.



A belt clip located on the back of the leather pouch allows you to wear the OT-110 on your side. In addition, a shoulder strap can be attached to the two integrated rings on the back side.



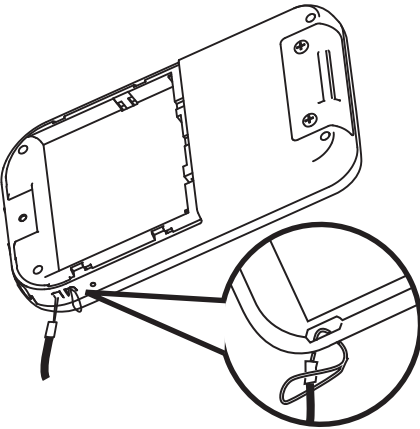
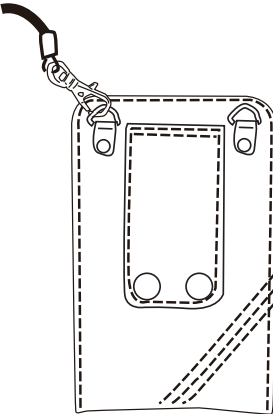
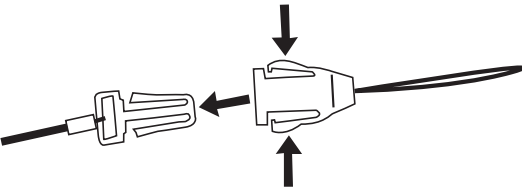
Clip to your belt



Shoulder strap is adjustable

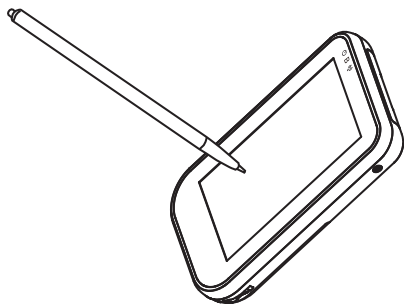
Attaching the leather pouch cord

A leather pouch cord is provided to attach device to the leather pouch.

1. Open the battery cover. 2. Thread the small loop of the cord through the bottom corner strap eyelet on the device. Pull the other end of the cord through the small loop until the cord is firmly secured. 3. Replace the battery cover.	
4. Lock the other end of the cord to one of the rings on the back of the leather pouch.	
5. To insert device into cradle for charging, simply detach as shown.	

Using the high quality stylus

A high quality stylus is included for your convenience.



CHAPTER 4

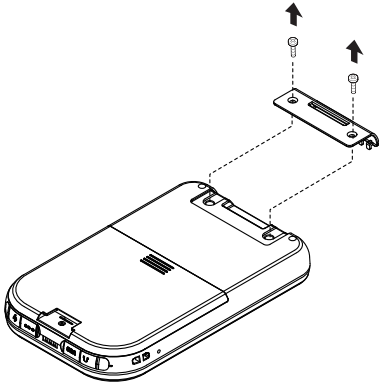
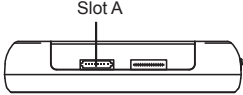
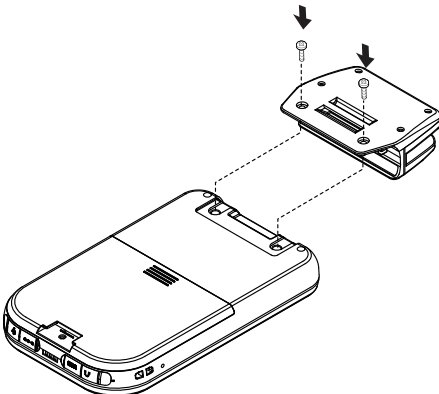
INSTALLING THE OPTIONAL MODULES

This chapter describes how to install and test the optional modules.

- Installing the MSR module on page 63
- Testing the MSR module on page 64
- Installing the RFID reader/writer module on page 66
- Testing the RFID reader/writer module on page 67
- Installing the Barcode Scanner module on page 69
- Testing the Barcode Scanner module on page 70

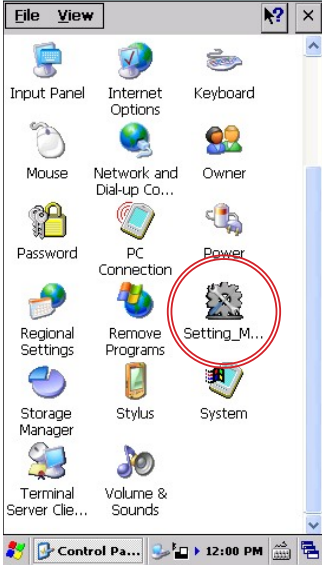
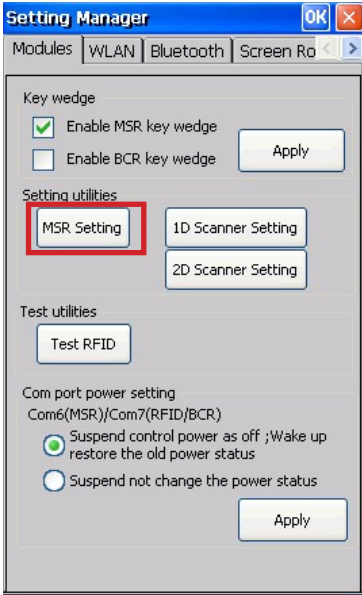
Installing the MSR module

Refer to the following to install the MSR module.

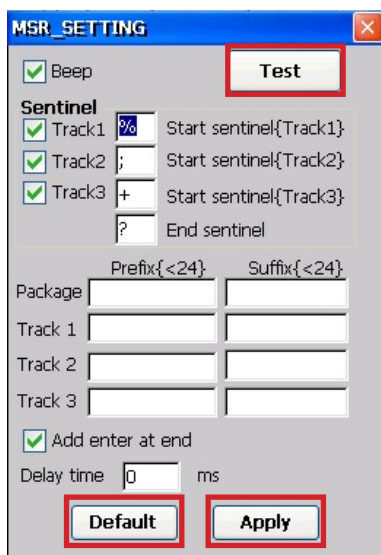
1. Remove the two screws on the top cover. 2. Remove the top cover.	
3. Connect the MSR module to slot A of the OT-110 as shown.	
4. Fix the MSR module with two screws as shown.	

Testing the MSR module

Refer to the following to check if the module working properly.

1. Tap  → Settings → Control Panel. 2. Double tap the Setting Manager icon.	
3. Tap MSR Setting.	

4. Tap Default.
5. Tap Apply.
6. Tap Test.



MSR_SETTING

☒ Beep Test

Sentinel

☒ Track1 % Start sentinel{Track1}

☒ Track2 ; Start sentinel{Track2}

☒ Track3 + Start sentinel{Track3}

☐ ? End sentinel

Prefix{<24} Suffix{<24}

Package

Track 1

Track 2

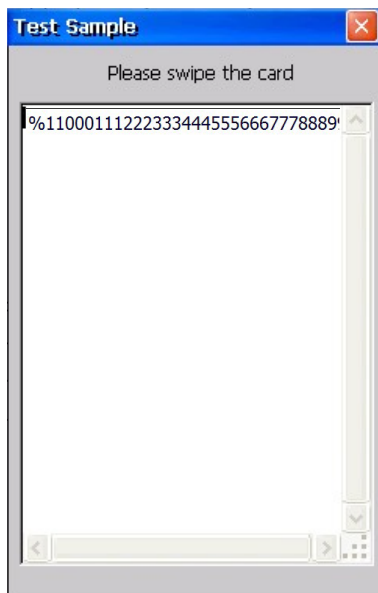
Track 3

☒ Add enter at end

Delay time ms

Default Apply

7. Swipe a magnetic stripe card.
8. Check if the data appear in the text box.



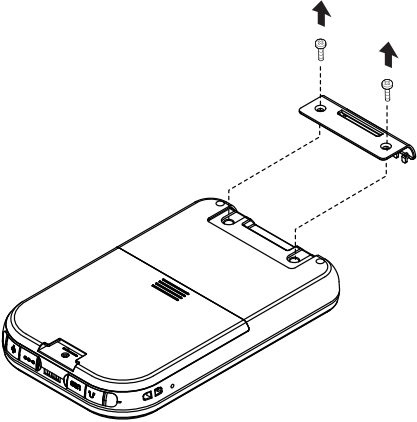
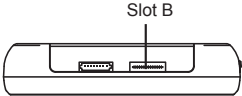
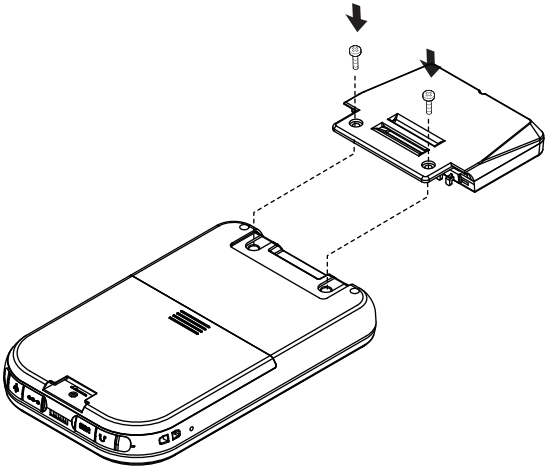
Test Sample

Please swipe the card

%110001112223334445556667778889

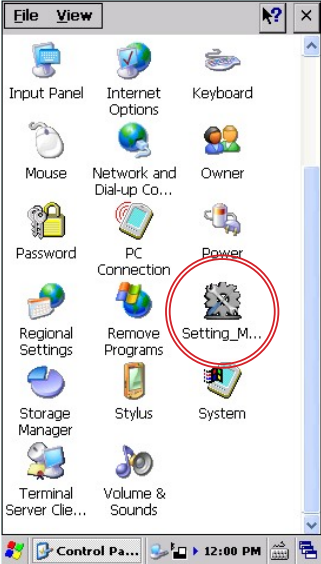
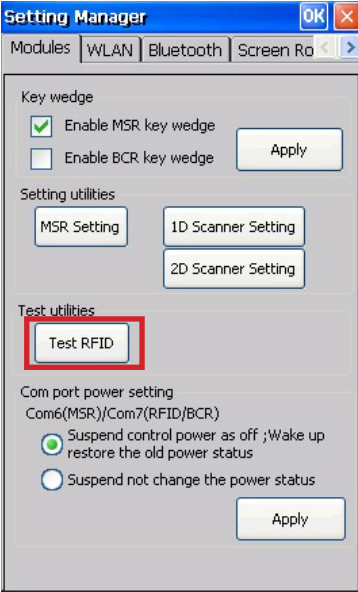
Installing the RFID reader/writer module

Refer to the following to install the RFID reader/writer module.

1. Remove the two screws on the top cover. 2. Remove the top cover.	
3. Connect the RFID reader/writer module to slot B of the OT-110 as shown.	
4. Fix the RFID reader/writer module with two screws as shown.	

Testing the RFID reader/writer module

Refer to the following to check if the module working properly.

1. Tap  → Settings → Control Panel. 2. Double tap the Setting Manager icon.	
3. Tap Test RFID.	

4. Place a RFID card on the module.
5. Tap Open on COM7 selection.
6. Tap SID or Read.
7. Check if the data appear in the text bar.

RFID_Test

COM7 **Open** **Close** SID : A0960126

29925C000000000003042811260196A0

Block Data

29925C000000000003042811260196A0

Value 00000001 Block : 00

SID **Read** Load Key Inc Backup

K4 Write Sel. Key Dec S ----> D

AB Key A k Key Num A : 01

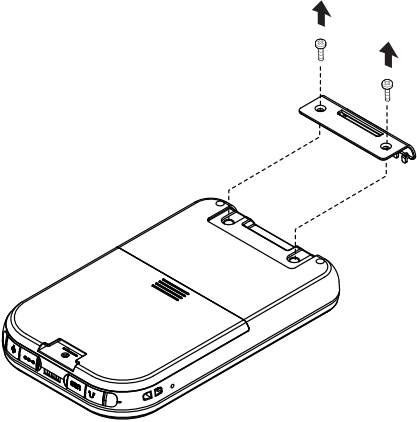
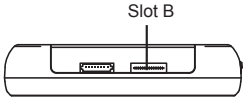
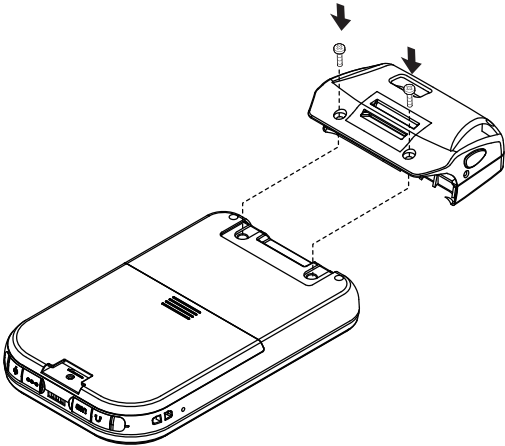
Key FFFFFFFFFF

Start test Stop test Ver Init Value

Test delay time 1000 ms

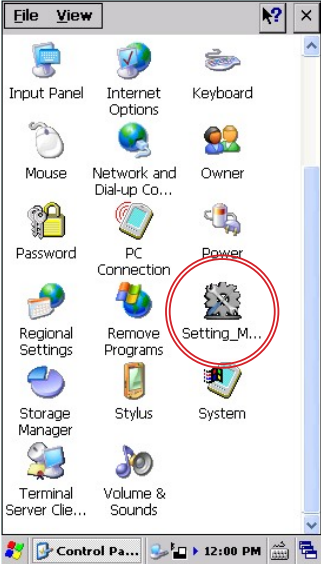
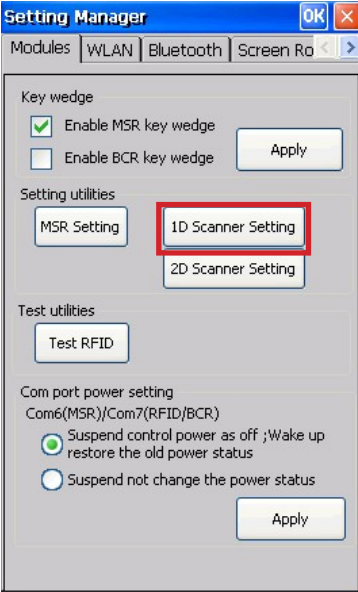
Installing the Barcode Scanner module

Refer to the following to install the Barcode Scanner module.

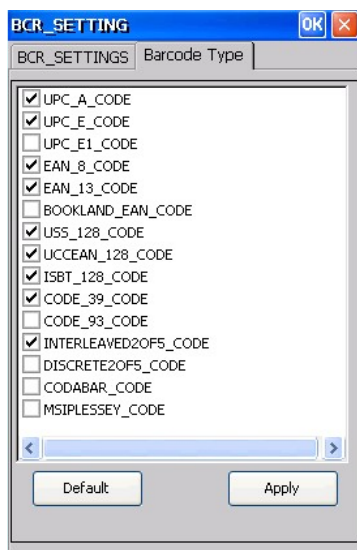
1. Remove the two screws on the top cover. 2. Remove the top cover.	
3. Connect the Barcode Scanner module to slot B of the OT-110 as shown.	
4. Fix the Barcode Scanner module with two screws as shown.	

Testing the Barcode Scanner module

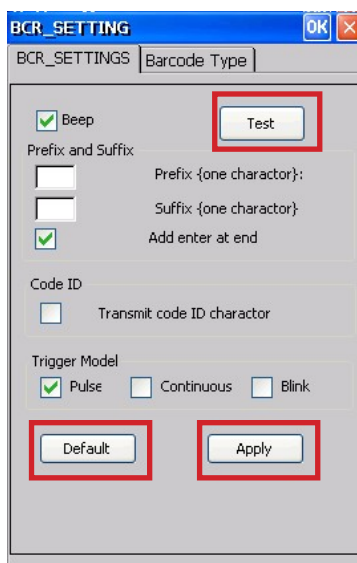
Refer to the following to check if the module working properly.

1. Tap  → Settings → Control Panel. 2. Double tap the Setting Manager icon.	
3. Tap 1D Scanner Setting.	

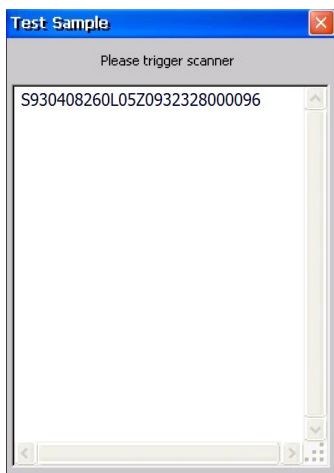
4. Tap the Barcode Type tab.
5. Select types.
6. Tap Apply.



7. Tap the BCR_SETTINGS tab.
8. Tap Default.
9. Tap Apply.
10. Tap Test.



11. Press the scan button on the Barcode Scanner module and scan a barcode.
12. Check if the data appear in the text box.



This appendix describes locating and solving problems that you may encounter while using the OT-110.

Troubleshooting

Often after time spent troubleshooting, the problem is traced to something as simple as a loose connection. Check the following before proceeding to the problem-specific solutions.

Tips for Troubleshooting

In each problem-specific section, try the steps in the order suggested. This may help you to solve the problem more quickly. Try to pinpoint the problem and thus avoid replacing non-defective parts. For example, if you replace batteries and the problem remains, put the original batteries back and go to the next step.

Keep a record of the steps you take when troubleshooting: The information may be useful when calling for technical support or for passing on to service personnel.

- Use some other electrical device to confirm that the electrical outlet is working.
- Ensure all connections are securely attached.

General Problems

Refer to the following for general problems you may encounter.

PROBLEM	SOLUTION
You cannot turn on the device	• Plug AC adaptor directly into device to check device is functioning. If device functions properly, then issue may be with the battery. • Check that the battery is fully charged and properly installed into device.
You have trouble charging the battery	• Check that the AC adaptor is plugged in correctly to the DC jack on the device, and the other end into the wall outlet. • If using the cradle for charging, check that the AC adaptor is plugged in correctly to the cradle and the wall outlet. • Check for damage to the power cables. • If battery has been used extensively and is old, replace with new battery and try again.
You have trouble connecting to the Internet	• Check that device is connected to a WiFi network with the correct network key (password). • Check if the WiFi network provides an IP address automatically via DHCP. If not, contact your network administrator for the relevant IP address, subnet, gateway, and DNS servers, which you need to enter manually.

Why does the device operate slowly at times?	• Reset device. Does problem remain? If this solves problem, check if user installed applications are causing system to slow down. • Check that enough free storage memory remains on device, so that device operates smoothly and efficiently. • If device shows low storage memory, delete unnecessary files, or transfer files to SD card.
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Having the OT-110 Serviced

If you are unable to solve the problem, you should have the device serviced. Pack the device in the original box. (See “Unpacking the OT-110” on page 1.) Include a description of the problem and a checklist of the steps you took when trying to fix the problem. The information may be useful to the service personnel. Return the device to the place you purchased it.

Guidelines for care and maintenance

It is recommended that you follow certain guidelines to prevent possible damage to the device and to keep it in a good condition.

Using the device

- Avoid using the device in dusty and extremely high or low temperature environments.
- Do not spill water on the device or expose it to the rain.
- Avoid removing the battery without turning off the device.
- Do not apply strong force or shocks to the device.
- Keep the device and its accessories away from children.
- Do not insert metal objects into the charging/communications port of the device. This can short-circuit the battery and result in danger.

Cleaning the device

- Use a soft, clean, and slightly moistened cloth to clean the device. Do not let water come into contact with the microphone, speaker, or with any of the connectors.
- Do not wipe the device with any corrosive liquid or coarse objects. This can damage the outer surface of the device.

Transporting and storing the device

- Do not leave the device in extremely high or low temperature environments.
- If device is to be transported or stored for a long period of time, please remove the battery, and store both device and battery in a cool, dark, and dry place. Ideally, batteries should be stored at around 25°C, or within a temperature range of -10°C ~ 30°C to maximize longevity. Batteries in storage need to be charged every 3 months to prevent battery degradation
- Batteries in storage need to be charged every 3 months to prevent battery degradation.

Specifications

CPU	CPU Samsung S3C 6410 667 MHz
Memory	Mobile DDR 128MB, NAND flash 256MB
LCD	4.3" widescreen (resolution 272*480)
Connection interface	WLAN 802.11 b/g Mini USB 2.0 (Client) / 1.1 (Host)
Audio	Speaker, internal microphone, earphone jack, microphone jack
Storage	Micro SD card (support SDHC)
Special features	Vibrator motor (for alerts) 4-way direction sensor Ambient light sensor Backup restore utility
Battery	Li-ion 2200mAh (with Gas Gauge)
Ruggedness	IP54, 1.2 meter drop test
Operating System	Windows CE 6.0
Dimensions	133 x 82 x 19 mm (H x W x D)
Option	Sunlight-readable panel with power-saving function MSR Track 1,2,3 Barcode scanner 1D / 2D RFID 13.56 MHz (Mifare)
Weight	Approx. 220g with battery
Environment	Operating Temperature : 0 - 40 degree C Storage Temperature : -20 - 60 degree C
Certifications	EMC & Safety: CE, FCC , BSMI , LVD RF: FCCID, R&TTE, NCC ,
Accessories	Included: Hand strap, Stylus cord, High quality stylus, AC adaptor, Battery Optional: Cradle, Leather pouch with shoulder strap

* specification subject to change without prior notice

