

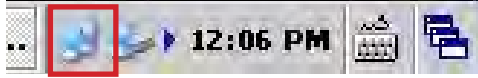



Find your IP address

To find your IP address:



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





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.

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

<p>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.</p>	
<p>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.</p>	
<p>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.</p>	
<p>6. Once the Bluetooth device is connected successfully, a message appears in the window.</p> <p>7. When connected to Partner Tech MP-300 Bluetooth mobile printer, click on the Print button to print a test message.</p> <p>8. To disconnect from the Bluetooth device, click on the STOP button.</p> <p>9. To hide the BT Manager window, click on the Hide button.</p>	



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

Synchronization

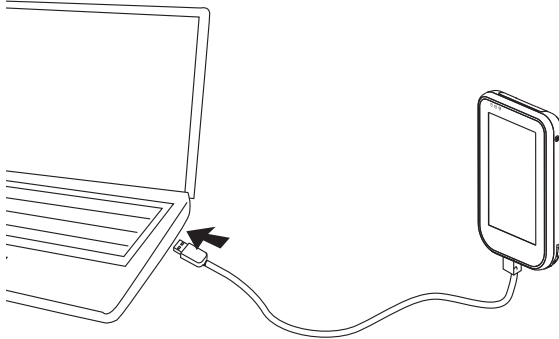
By synchronizing OT-110 with your computer, you have access to the same information—your Microsoft Office Outlook e-mail messages and calendar, your media files, your work documents, and more—on OT-110 or your computer. It's a good idea to synchronize regularly.

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

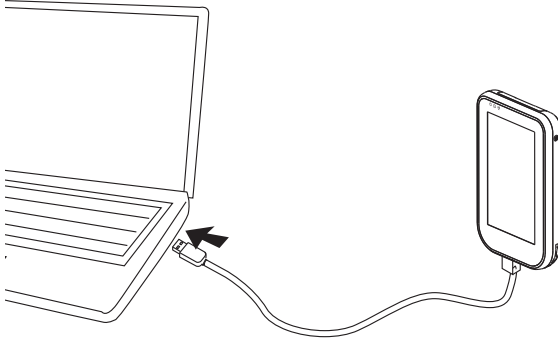
1. Install Microsoft ActiveSync. If your computer is running Windows XP or an earlier version, synchronization settings are managed through Microsoft ActiveSync. You can visit <http://www.microsoft.com/windowsmobile> for more information or to download Microsoft ActiveSync.
2. Download and install ActiveSync 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):

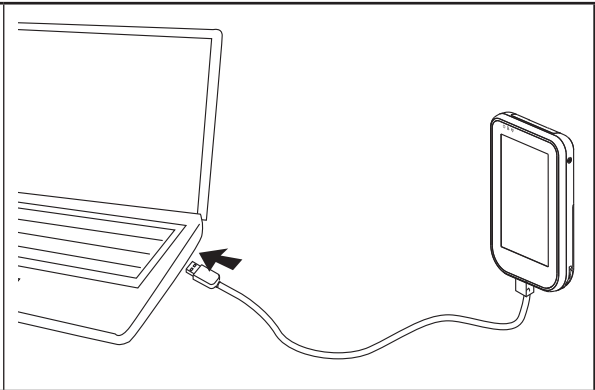
1. Connect OT-110 to the computer using a Mini-USB to USB cable.
2. On the computer, select Start > Programs > ActiveSync.
3. In the ActiveSync window, select Explore.
4. Double-click My Windows Mobile-Based Device.
5. Open Windows Explorer on your computer and locate the files to be copied.
6. Right-click 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:

<ol style="list-style-type: none">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.	
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To remove programs from the OT-110:

<ol style="list-style-type: none">1. Tap  → Settings → Control Panel.	
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2. Double tap the Remove Programs icon.






3. Select the programs you want to remove, and then tap the Remove button.



Backup data

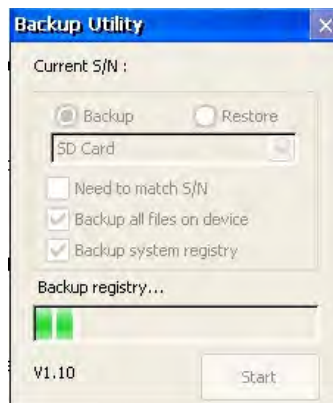
Backup request the MicroSD card installed

<p>1. Tap  → Settings → Control Panel.</p>	 <p>The screenshot shows the Windows XP desktop with the Start menu open. The 'Control Panel' option is highlighted with a red rectangular box. Other visible options include Programs, Favorites, Documents, Network and Dial-up Connections, and Taskbar and Start Menu... The desktop background features the 'PARTNER' logo.</p>
<p>2. Double tap the Backup icon.</p>	 <p>The screenshot shows the Windows Control Panel window. The 'Backup' icon, which depicts a red folder with a white arrow, is circled in red. Other icons visible in the window include Bluetooth Device, Certificates, Date/Time, Dialing, Display, Input Panel, Internet Options, Keyboard, Mouse, Network and Dial-up Co..., Owner, Password, PC Connection, Power, Regional Settings, Remove Programs, and Setting_M... The taskbar at the bottom shows the Control Panel icon and the system clock at 12:00 PM.</p>

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.






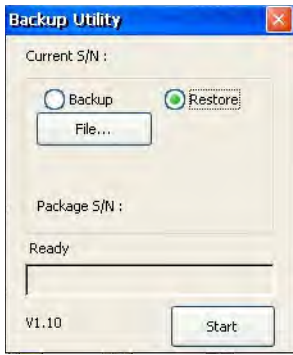
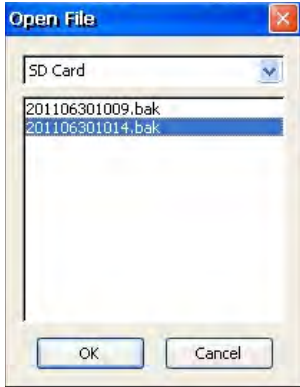
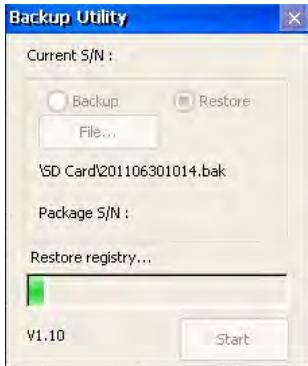

7. When backup is complete, the system will prompt you.



Restore data

To restore the backup data:

<p>1. Tap  → Settings → Control Panel.</p>	 <p>The screenshot shows a Windows XP desktop with the Start menu open. The 'Control Panel' option is highlighted with a red box. The desktop background features the 'PARTNER' logo. The taskbar at the bottom shows the time as 12:00 PM.</p>
<p>2. Double tap the Backup icon.</p>	 <p>The screenshot shows the Windows XP Control Panel window. The 'Backup' icon is circled in red. The window title is 'File View'. The taskbar at the bottom shows the time as 12:00 PM.</p>

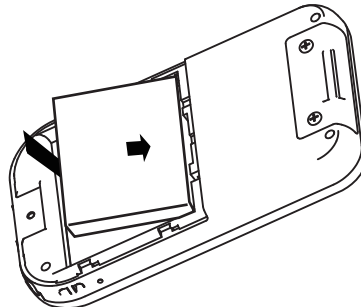
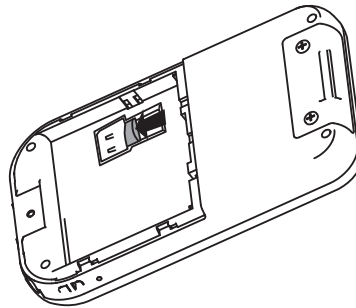
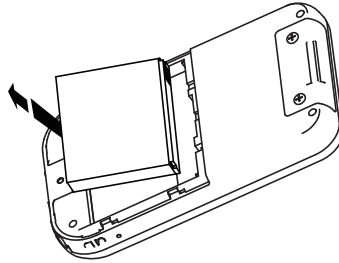
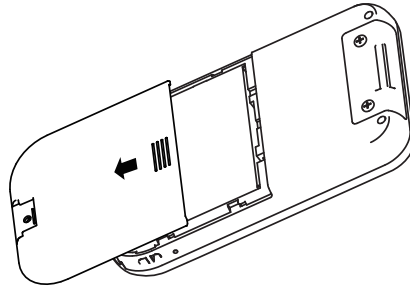
<p>3. Select Restore.</p> <p>4. Click the File... button.</p>	
<p>5. Select the backup file.</p> <p>6. Click the OK button.</p>	
<p>7. Wait period for restore process.</p>	
<p>8. When restore is complete, the system will prompt you to reboot the device.</p> <p>9. Click OK.</p>	

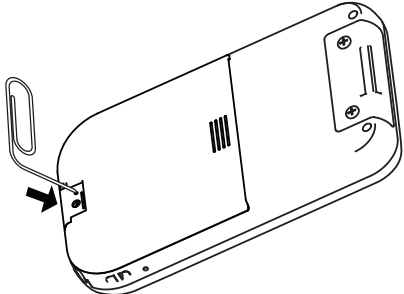

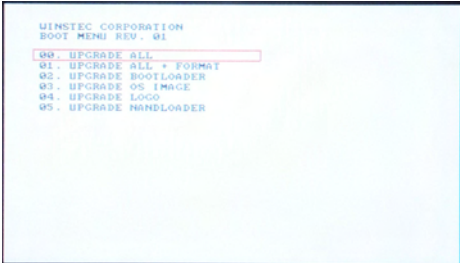
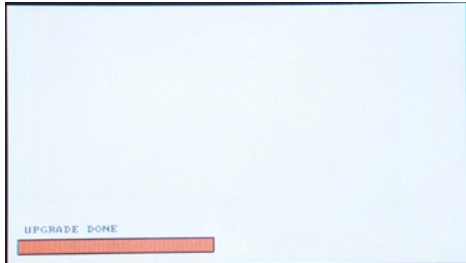
Upgrading Operating System

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.



<p>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.</p>	
<p>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.</p>	 <pre> WINSIEC 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>
<p>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.</p>	 <pre> WINSIEC 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>
<p>10. When the screen displays “UPGRADE DONE” remove the battery cover, remove the battery.</p> <p>11. Replace the battery and the cover.</p> <p>12. Power on the device.</p>	

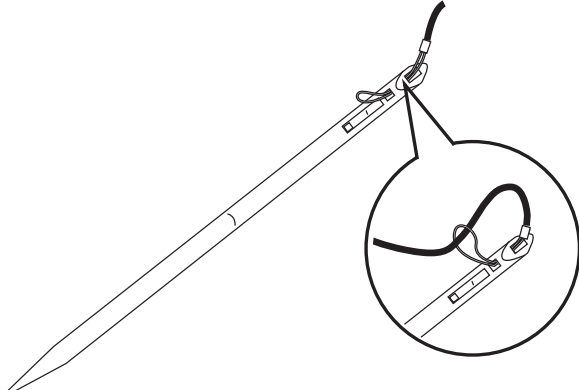
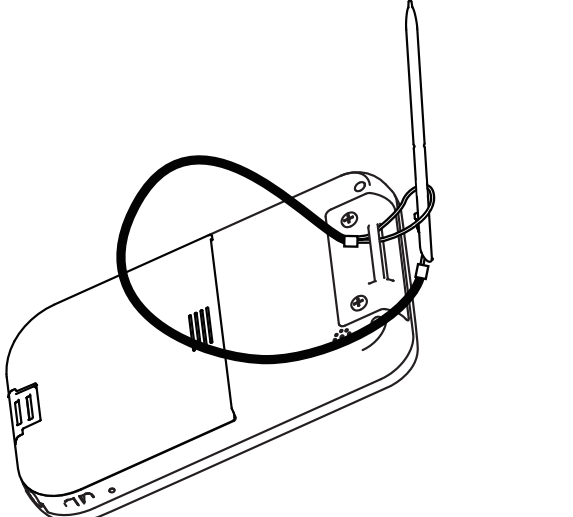
CHAPTER 3 USING THE ACCESSORIES

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

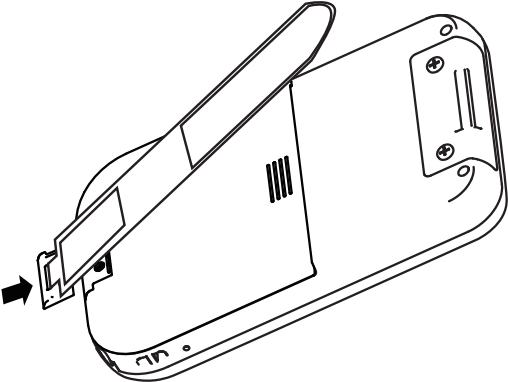
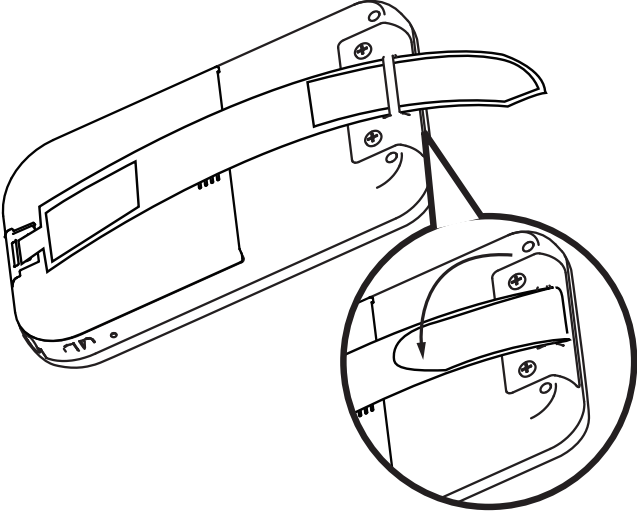
Attaching the stylus cord

Refer to the following to attach the stylus cord.

<p>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.</p>	
<p>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.</p>	

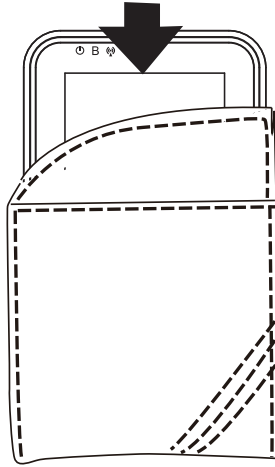
Attaching the hand strap

Refer to the following to attach the hand strap.

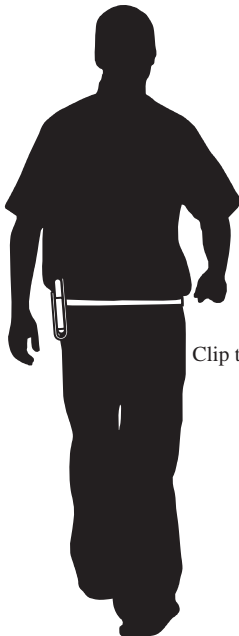
<p>1. Insert the bottom of the hand strap into the slot at the bottom of the battery cover, until it clicks into place.</p>	 A line drawing of a handheld device with its battery cover open. A hand strap is shown being inserted into a slot at the bottom of the battery cover. An arrow points to the bottom of the strap as it enters the slot.
<p>2. Thread the end of the hand strap through the top hand strap eyelet on the device then fold and stick together.</p> <ul style="list-style-type: none">• 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 over itself. A circular inset provides a magnified view of the top eyelet area, showing the strap being secured with Velcro. An arrow in the inset points to the Velcro attachment point.

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.



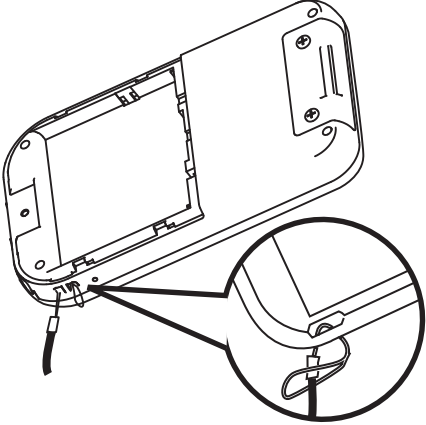
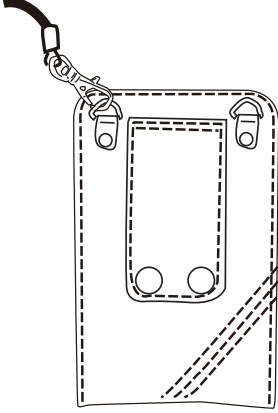
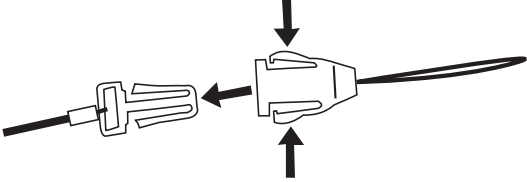
Clip to your belt



Shoulder strap is adjustable

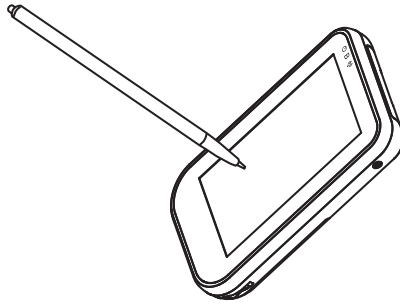
Attaching the leather pouch cord

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

<ol style="list-style-type: none">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.	
<ol style="list-style-type: none">4. Lock the other end of the cord to one of the rings on the back of the leather pouch.	
<ol style="list-style-type: none">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

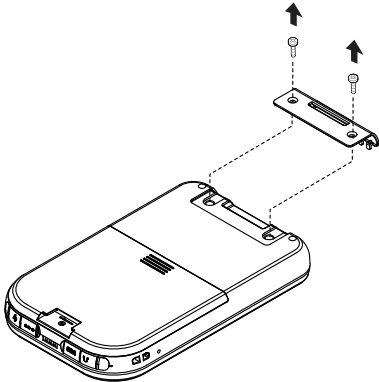
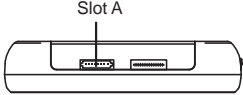
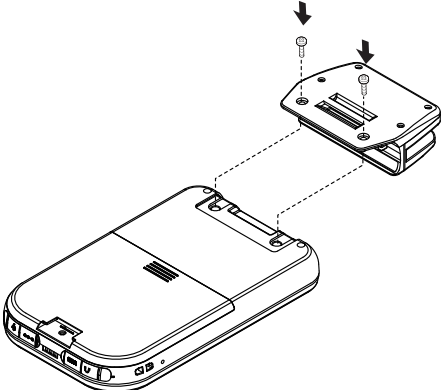
INSTALLING THE OPTIONAL MODULES

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



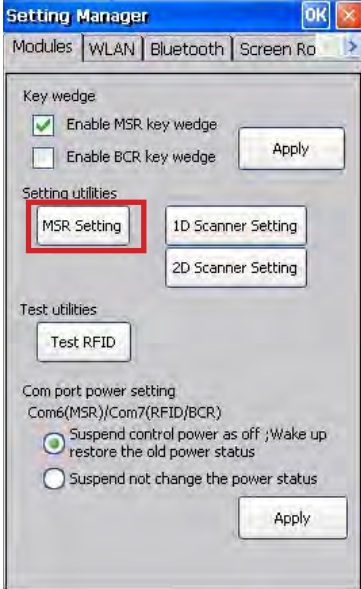
Installing the MSR module

Refer to the following to install the MSR module.

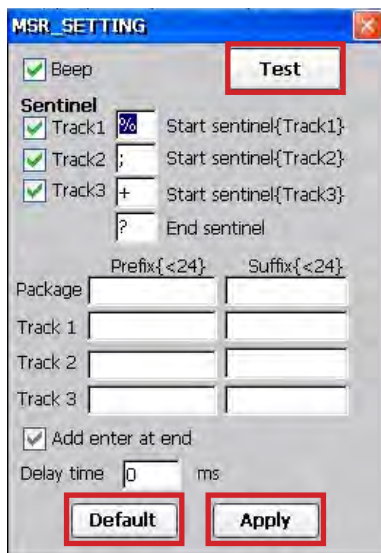
<ol style="list-style-type: none">1. Remove the two screws on the top cover.2. Remove the top cover.	
<ol style="list-style-type: none">3. Connect the MSR module to slot A of the OT-110 as shown.	
<ol style="list-style-type: none">4. Fix the MSR module with two screws as shown.	

Testing the MSR module

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

<ol style="list-style-type: none">1. Tap  → Settings → Control Panel.2. Double tap the Setting Manager icon.	 <p>The screenshot shows the Windows Control Panel window with a grid of icons. The 'Setting Manager' icon, which depicts a gear with a circuit board, 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, Remove Programs, Storage Manager, Stylus, System, Terminal Server Clie..., and Volume & Sounds.</p>
<ol style="list-style-type: none">3. Tap MSR Setting.	 <p>The screenshot shows the 'Setting Manager' application window. The 'Modules' tab is selected, showing 'WLAN', 'Bluetooth', and 'Screen Ro'. Under the 'Key wedge' section, there are two checkboxes: 'Enable MSR key wedge' (checked) and 'Enable BCR key wedge' (unchecked), with an 'Apply' button to the right. Under the 'Setting utilities' section, the 'MSR Setting' button is highlighted with a red box, along with '1D Scanner Setting' and '2D Scanner Setting' buttons. Under the 'Test utilities' section, there is a 'Test RFID' button. Under the 'Com port power setting' section, there are two radio buttons: 'Suspend control power as off ;Wake up restore the old power status' (selected) and 'Suspend not change the power status', with an 'Apply' button to the right.</p>

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

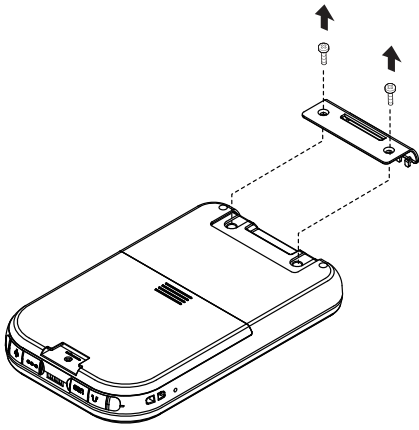
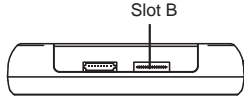
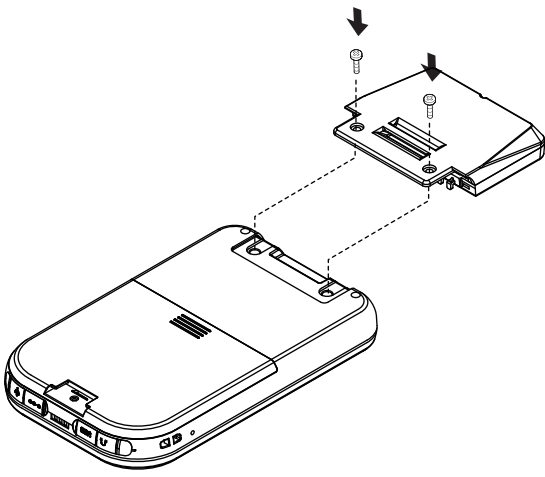


7. Swipe a magnetic stripe card.
8. Check if the data appear in the text box.





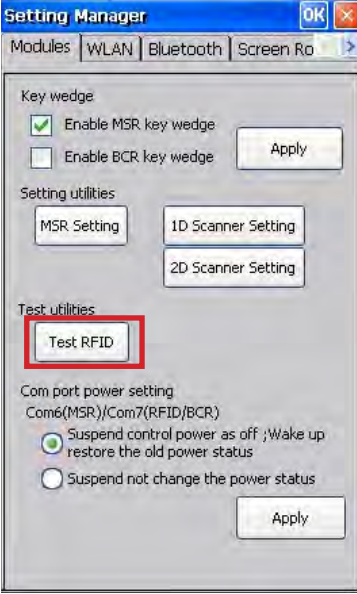
Installing the RFID reader/writer module

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

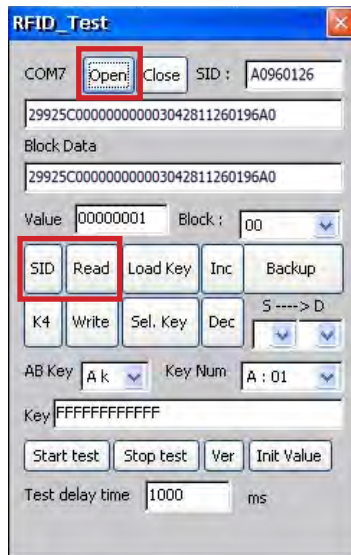
<ol style="list-style-type: none">1. Remove the two screws on the top cover.2. Remove the top cover.	
<ol style="list-style-type: none">3. Connect the RFID reader/writer module to slot B of the OT-110 as shown.	
<ol style="list-style-type: none">4. Fix the RFID reader/writer module with two screws as shown.	

Testing the RFID reader/writer module

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

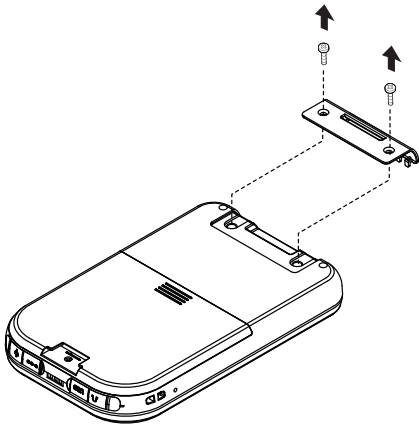
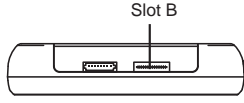
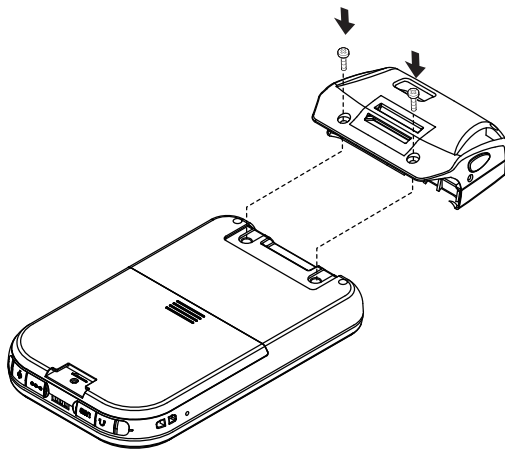
<ol style="list-style-type: none">1. Tap  → Settings → Control Panel.2. Double tap the Setting Manager icon.	 <p>The screenshot shows the Windows Control Panel window with various system settings icons. The 'Setting Manager' icon, which depicts a gear with a lightning bolt, is circled in red. Other visible icons include Input Panel, Internet Options, Keyboard, Mouse, Network and Dial-up Connections, Owner, Password, PC Connection, Power, Regional Settings, Remove Programs, Storage Manager, Stylus, System, Terminal Server Client, and Volume & Sounds.</p>
<ol style="list-style-type: none">3. Tap Test RFID.	 <p>The screenshot shows the 'Setting Manager' dialog box with the 'Bluetooth' tab selected. Under the 'Test utilities' section, the 'Test RFID' button is highlighted with a red box. Other sections include 'Key wedge' (with 'Enable MSR key wedge' checked), 'Setting utilities' (with buttons for MSR Setting, 1D Scanner Setting, and 2D Scanner Setting), and 'Com port power setting' (with 'Suspend control power as off ;Wake up restore the old power status' selected).</p>

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.




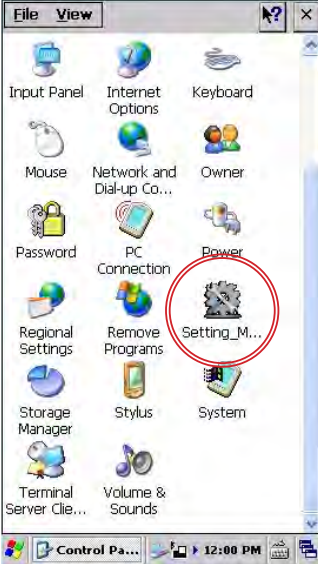
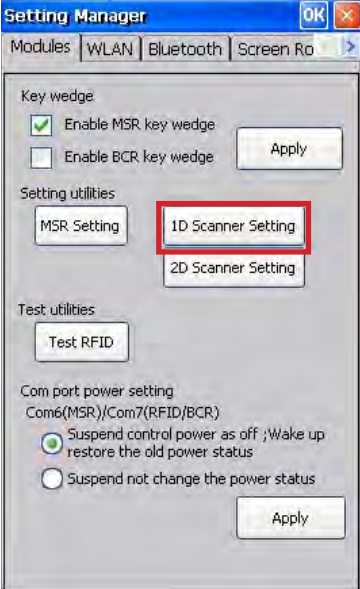
Installing the Barcode Scanner module

Refer to the following to install the Barcode Scanner module.

<ol style="list-style-type: none">1. Remove the two screws on the top cover.2. Remove the top cover.	
<ol style="list-style-type: none">3. Connect the Barcode Scanner module to slot B of the OT-110 as shown.	
<ol style="list-style-type: none">4. Fix the Barcode Scanner module with two screws as shown.	

Testing the Barcode Scanner module

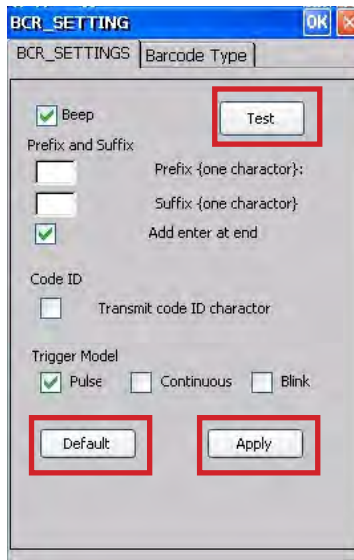
Refer to the following to check if the module working properly.

<ol style="list-style-type: none">1. Tap  → Settings → Control Panel.2. Double tap the Setting Manager icon.	 <p>The screenshot shows the Windows Control Panel window with a grid of icons. The 'Setting Manager' icon, which depicts a gear with a person silhouette, is circled in red. Other visible icons include Input Panel, Internet Options, Keyboard, Mouse, Network and Dial-up Connections, Owner, Password, PC Connection, Power, Regional Settings, Remove Programs, Storage Manager, Stylus, System, Terminal Server Client, and Volume & Sounds.</p>
<ol style="list-style-type: none">3. Tap 1D Scanner Setting.	 <p>The screenshot shows the 'Setting Manager' dialog box with the 'Bluetooth' module selected. Under the 'Setting utilities' section, the '1D Scanner Setting' button is highlighted with a red box. Other buttons include 'MSR Setting' and '2D Scanner Setting'. The 'Key wedge' section has two checked options: 'Enable MSR key wedge' and 'Enable BCR key wedge'. The 'Test utilities' section has a 'Test RFID' button. The 'Com port power setting' section has two radio button options: 'Suspend control power as off ;Wake up restore the old power status' (selected) and 'Suspend not change the power status'.</p>

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.

<p>Why does the device operate slowly at times?</p>	<ul style="list-style-type: none"> • 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

