

AutoTRON

MAS0650

User's Manual



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Revision History

The revision history of MAS0650 User Manual is described below:

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1.0	Initial Release	2025/01/14

Thank you for choosing MACTRON Mobile handheld PC

This instruction serves to enable users to get to know our product as soon as possible. Here we have made a brief introduction to the key layout and definitions in figures and words. And a brief explains for the basic operating functions.

Attention:

- 1. The instructions in this guide refer to the windows 10 system. If you are using other windows operating systems, some operations may be slightly different. If you are using another windows operating system, some operations may not suit you.
- 2. The instructions describe the general functions of most models. Your computer may not have some functionality, or some features on your computer are not described in the manual.
- 3. This instruction applies the following models: MAS0650 rugged Windows Mobile Handheld PC.
- 4. The illustrations in this instruction may be different from the product itself.

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1. Getting Started

This chapter first tells you step by step how to get the mobile handheld PC up and running. Then, you will find a section briefly introducing the external components of the mobile handheld PC.

1.1. Packing List

After unpacking the shipping carton, you should find these standard items:

If you discover any of the items listed below are damaged or lost, please contact your local distributor immediately.

- MAS0650 x 1
- Hand-Strap x 1
- AC Power Adapter x 1

1.2. Connecting to Power Supply

Note: Use only the AC adapter included with your Mobile handheld PC. Using other

AC adapters may damage the Mobile handheld PC.

It must be connected to AC power supply when it is turned on for the first time.

1. Open the waterproof plug of USB port. (On bottom side when the device is flat on the table.)



- 2. Insert the USB Type-C head of the power adapter into the USB Type-C port of the device.
- 3. Now you can power on the device.

1.3. Turning On and Off the Mobile handheld PC

Turning On

Press the power button (cutual) on the right side of the system. The Microsoft Windows operating system will start.



Turning Off

When you are work done, you can power it off or leaving it in Sleep or Hibernation mode:

То	Do this	
Power off		
(Shutdown)	Click $\blacksquare \rightarrow [\bigcirc$ Power] \rightarrow [Shut down].	
Sleep	Jse one of these methods:	
	• Press the power button.	
	• Click $\blacksquare \rightarrow [\bigcup$ Power] \rightarrow [Sleep].	

Hibernate	This item does not appear in the power menu by default. If you
	want to set up this mode, please go to Windows Settings to set
	it up.

2. Product Information

2.1. Specification

Display		
Display Type	6.5" IPS TFT LCD	
Resolution	720 x 1600	
Brightness	500 nit	
Touch Panel	5 points Projected Capacitive touchscreen	
System		
CPU	Intel [®] Celeron [®] N5100 Processor	
GPU	Intel [®] UHD Graphics 620	
Memory	8 GB	
Storage	128 GB	
Operating System	Windows 10/ Windows 11 (optional)	
I/O Ports	1 x TYPE-C 2.0 OTG (Data transmission)	
	1 x USB3.0 Type-A	
	1 x Nano-SIM Card	
	1 x TF card	
	1 x Pogo Pin	
WiFi	802.11(a/b/g/n/ac), 2.4G+5.8G	
4G	4G	
Bluetooth	BT5.0 transmission distance: 10m	
GPS	GPS+GLONASS	
Physical		
Camera	Front Camera: 5.0 MP	
	Rear Camera: 8MP autofocus with flash	
Speaker	1 x 1W speaker	
Color	Black	
Dimensions (WxHxD)	88.6 x 183.1 x 24.1mm	
Weight	470g	
Button	1 x Power On/Off	
	1 x Volume Key +	
	1 x Volume Key -	
	2 x Barcode scanning (Left & Right)	
Data Collection	NFC Module	
	Barcode Scanner Module	

Sensors	1 x G-sensor	
Battery	7.4V/4000mAh	
Using Time	About 6 hours (50% volume sounds, 50% screen	
	brightness, 1080P HD video display by default)	
Power Adapter	USB Type C PD3.0 45W	
Standard Accessory	1 x Hand-strap	
	1 x 45W Fast charge adapter and CtoC data cable	
Packaging Box	193 x 103 x 57mm	
Dimension (WxHxD)		
Packaging Box Weight	850g	
Packaging Box Weight Environment	850g	
Packaging Box Weight Environment IP Rating	850g IP67	
Packaging Box Weight Environment IP Rating Drop Test	850g IP67 1.5m Composite wood floor working (Power-on state)	
Packaging Box Weight Environment IP Rating Drop Test Certification	850g IP67 1.5m Composite wood floor working (Power-on state) CE/ FCC/ MIL-STD-810H	
Packaging Box Weight Environment IP Rating Drop Test Certification Operating Temperature	850g IP67 1.5m Composite wood floor working (Power-on state) CE/ FCC/ MIL-STD-810H -20°C ~ 60°C	
Packaging Box Weight Environment IP Rating Drop Test Certification Operating Temperature Storage Temperature	850g IP67 1.5m Composite wood floor working (Power-on state) CE/ FCC/ MIL-STD-810H -20°C ~ 60°C -30°C ~ 70°C	
Packaging Box Weight Environment IP Rating Drop Test Certification Operating Temperature Storage Temperature Relative Humidity	850g IP67 1.5m Composite wood floor working (Power-on state) CE/ FCC/ MIL-STD-810H -20°C ~ 60°C -30°C ~ 70°C 95% (non-condensing)	

2.2. Product Overview

Note: Depending on the special model you purchased, the look and color of the device may be different from the graphics shown in this manual.

Note: Please open the waterproof plug before using the ports or device. When not using ports or device, please completely cover the waterproof plug to isolate water and dust.

Front View



Rear View



Top View



Bottom View



Side View



2.3. System Configuration

2.3.1. Rear Components



Ref. No.	Component	Description
1	Camera	Barcode scan key (customized)
2	Cooling Fan	Waterproof Cooling Fan
3	Cover Latch	Battery Rear Cover Latch

2.3.2. Left-Side Components



Ref. No.	Component	Description
1	Volume +	Used to increase the device volume.
2	Volume -	Used to decrease the device volume.
8	Scan Button F	Barcode scan key (Customized when no scan module is available.)

2.3.3. Right-Side Components



Ref. No.	Component	Description
1	Power Button	Used to sleep, wake up, power on and off the device.
2	Scan Button F	Barcode scan key (Customized when no scan module is available.)

2.3.4. Top Components



Ref. No.ComponentImage: Description of the second second

Barcode scanning module

Barcode Scanner Interface

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2.3.5. Bottom Components



Ref. No.	Component	Description
1	USB 3.0 Type-A	Connects USB devices.
2	USB Type-C	OTG (Data transmission)
8	Pogo pin	Matched with the positioning hole to connect the Docking Charger.

2.4. Installation and uninstallation of SIM and TF card

Step 1. Remove the battery, take out the card tray at this location, and insert the SD card and SIM card.



Step 2. After placing the SD card and SIM card into their designated slots, and the cards are enabled to use.

3. Operating Your System

This chapter provides information about the use of the Mobile handheld PC.

If you are new to Mobile handheld PCs, reading this chapter will help you learn the operating basics. If you are already a Mobile handheld PC user, you may choose to read only the parts containing information unique to your Mobile handheld PC.

Note:

- Do not expose your skin to the Mobile handheld PC when operating it in a very hot or cold environment.
- The Mobile handheld PC can get uncomfortably warm when you use it in high temperatures. As a safety precaution in such a circumstance, do not place the Mobile handheld PC on your lap or touch it with your bare hands for extended periods of time. Prolonged body contact can cause discomfort and potentially a burn.

3.1. Using the Touchscreen

Note: Do not use a sharp object such as a ballpoint pen or pencil on the touchscreen. Doing so may damage the touchscreen surface. Use your finger or the stylus.

The specific model features a capacitive touchscreen. This type of screen responds to conductive objects, such as fingertips. You can navigate directly on the screen without the need for a keyboard or mouse.

The following table shows how you use the touchscreen to obtain equivalent mouse functions.

Term	Action	Equivalent Mouse Function
Тар	Touch the screen once.	Tap/ Click
Double-tap	Touch the screen twice rapidly.	Double-click/ Double-tap
Tap and hold	Tap and hold until a popup menu appears.	Right-click
Drag	Click and hold the screen while moving.	Drag

3.2. Using Wireless Connections

3.2.1. Using the WLAN

The built-in WLAN (Wireless Local Area Network) module supports WIFI 802.11(a/b/g/n/ac).

3.2.2. Turning On / Off the WLAN Radio

3.2.2.1 To turn on the WLAN radio:

Click \rightarrow [Settings] \rightarrow [Network & Internet] \rightarrow [WLAN] \cdot Slide the WLAN switch to the [On] position.

3.2.2.2 To turn off the WLAN radio:

You can turn off the WLAN radio the same way you turn it on.

If you want to quickly turn off all wireless radio, simply switch on Airplane mode.

Click \rightarrow [Settings] \rightarrow [Network & Internet] \rightarrow [Airplane mode], Slide the Airplane Mode switch to the [On] position.

3.2.2.3. Connecting to a WLAN Network:

- 1. Make sure that the WLAN function is enabled (as described above).
- 2. Click the network icon *M* in the lower right of the task bar.
- 3. Select the network you want to connect to from the list of available wireless networks, then click [**Connect**].

4. Depending on the network settings, you may need to enter a password. Contact your network administrator or service provider for details.

For more information on setting a wireless network connection, refer to Windows online help.

3.3. Using the Bluetooth Feature

The Bluetooth technology allows short-range wireless communications between devices without requiring a cable connection. Data can be transmitted through walls, pockets and briefcases as long as two devices are within range.

3.3.1. Turning On / Off the Bluetooth Radio

To turn on the Bluetooth radio:

Click \rightarrow [Settings] \rightarrow [Devices] \rightarrow [Bluetooth] , Slide the Bluetooth switch to the [On] position.

To turn off the Bluetooth radio:

You can turn off the Bluetooth radio the same way you turn it on.

If you want to quickly turn off all wireless radio, simply switch on Airplane mode.

Click \rightarrow [Settings] \rightarrow [Network & Internet] \rightarrow [Airplane mode] \cdot Slide the Airplane Mode switch to the [On] position.

Connecting to another Bluetooth Device

- 1. Make sure that the Bluetooth function is enabled (as described above).
- 2. Make sure that the target Bluetooth device is turned on, discoverable and within close range. (See the documentation that came with the Bluetooth device.)
- 3. Click \rightarrow [Settings] \rightarrow [Devices] \rightarrow [Bluetooth].
- 4. Select the device you want to connect from the search results.

5. Depending on the type of Bluetooth device that you want to connect to, you will need to enter the pertinent information.

For detailed information on using the Bluetooth feature, see Windows's online Help.

4. Managing Power

Your Mobile handheld PC operates on external Type-C power.

This chapter tells you how you can effectively manage power. To maintain optimal battery performance, it is important that you use the battery in the proper way.

4.1. AC Adapter

CAUTION:

- The AC adapter is designed for use with your Mobile handheld PC only. Connecting the AC adapter to another device can damage the adapter.
- The AC power cord supplied with your Mobile handheld PC is for use in the country where you purchased your Mobile handheld PC. If you plan to go overseas with the Mobile handheld PC, consult your dealer for the appropriate power cord.
- When you disconnect the AC adapter, disconnect from the electrical outlet first and then from the Mobile handheld PC. A reverse procedure may damage the AC adapter or Mobile handheld PC.
- When unplugging the connector, always hold the plug head. Never pull on the cord.

The AC adapter serves as a converter from AC (Alternating Current) to DC (Direct Current) power because your Mobile handheld PC runs on DC power, but an electrical outlet usually provides AC power. It also charges the battery pack when connected to AC power.

The adapter operates on any voltage in the range of 100~240V AC. Inputting 19V.

4.2. Battery Pack

The battery pack is the internal power source for the Mobile handheld PC. It is rechargeable using the AC adapter.

CAUTION: The time to unplug the battery pack is limited to when the battery is not being charged.

NOTE: Care and maintenance information for the battery is provided in the "Battery Pack Guidelines" section in Chapter 6.

4.2.1. Charging the Battery Pack

NOTE: The rechargeable temperature of the battery is between 0°C and 50°C.

To charge the battery pack, connect the AC adapter to the Mobile handheld PC and an electrical outlet. The Battery Indicator (Internet) on the Mobile handheld PC glows red to indicate that charging is in progress. When the battery is fully charged, the Battery Indicator lights green.

CAUTION: After the Mobile handheld PC has been fully recharged, do not immediately disconnect and reconnect the AC adapter to charge it again. Doing so may damage the battery.

4.2.2. Checking the Battery Level

NOTE: Any battery level indication is an estimated result. The actual operating time can be different from the estimated time, depending on how you are using the Mobile handheld PC.

When the battery is fully charged, its power supply time depends on how you use the Mobile handheld PC. If the software you use requires frequent use of peripheral devices, the power may run out soon.

You can find the battery icon on the Windows taskbar (lower-right corner). The icon shows the approximate battery level.

If your model has more than one battery pack installed, the battery pack discharges in parallel.

4.2.3. Battery Low Signals and Actions

When the battery is low, please connect the adapter immediately, put the Mobile handheld PC into hibernation, or turn off the Mobile handheld PC's power.

4.2.4. Replacing the Battery Pack

CAUTION:

- There is danger of explosion if the battery is incorrectly replaced. Replace the battery only with the Mobile handheld PC manufacturer's optional battery packs. Discard used batteries according to the dealer's instructions.
- Do not attempt to disassemble the battery pack.
- The battery pack will become hot under long-term operation. Do not touch the hot battery pack with bare hands. After removing the battery pack, place it in a ventilated place.
- 1. Turn the device so that its bottom is facing up.
- 2. Open the two battery cover latches and remove the battery cover.
- 3. Turn the battery lock to the ($\widehat{\Box}$) button to unlock it..
- 4. Take out the batteries.

4.3. Power-Saving Tips

Aside from enabling your Mobile handheld PC's power saving mode, you can do your part to maximize the battery's operating time by following these suggestions.

- Do not disable Power Management.
- Decrease the LCD brightness to the lowest comfortable level.
- Shorten the length of time before Windows turn off the display.
- When not using a connected device, disconnect it.
- Turn off the wireless radio if you are not using the wireless module (such as WLAN or Bluetooth).
- Turn off the Mobile handheld PC when you are not using it.

5. Expanding Your Mobile handheld PC

You can expand the capabilities of your Mobile handheld PC by connecting other peripheral devices.

When using a device, be sure to read the instructions accompanying the device together with the relevant section in this chapter.

5.1. Connecting Peripheral Devices

5.1.1. Connecting a USB Device

Your Mobile handheld PC has one USB 3.0 ports on bottom side for connecting USB devices, such as a digital camera, scanner, printer, modem, and mouse.

5.1.2. Connecting a USB Type-C Device

Your Mobile handheld PC has a USB Type-C port. This port supports:

- USB Type-C (or just USB-C) port
- USB Power Delivery (power transmission)

Be sure to use the correct specification USB-C power adapter with your Mobile handheld PC model.

6. Care and Maintenance

Taking good care of your Mobile handheld PC will ensure a trouble-free operation and reduce the risk of damage to your Mobile handheld PC.

This chapter gives you guidelines covering areas such as protecting, storing, cleaning, and traveling.

6.1. Protecting the Mobile handheld PC

To safeguard the integrity of your Mobile handheld PC data as well as the Mobile handheld PC itself, you can protect the Mobile handheld PC in several ways as described in this section.

Using an Anti-Virus Strategy

You can install a virus-detecting program to monitor potential viruses that could damage your files.

6.2. Taking Care of the Mobile handheld PC

Location Guidelines

For optimal performance, use the Mobile handheld PC where the recommended temperature is between 0 °C and 40 °C. (Actual operating temperature depends on product specifications.)

- Avoid placing the Mobile handheld PC in a location subject to high humidity, extreme temperatures, mechanical vibration, direct sunlight, or heavy dust. Using the Mobile handheld PC in extreme environments for long periods can result in product deterioration and a shortened product life.
- Operating in an environment with metallic dust is not allowed.
- Place the Mobile handheld PC on a flat and steady surface. Do not stand the Mobile handheld PC on its side or store it in an upside-down position. A strong impact by dropping or hitting may damage the Mobile handheld PC.
- Do not cover or block any ventilation openings on the Mobile handheld PC. For

example, do not place the Mobile handheld PC on a bed, sofa, rug, or other similar surface. Otherwise, overheating may occur that results in damage to the Mobile handheld PC.

- As the Mobile handheld PC can become very hot during operation, keep it away from objects that are vulnerable to heat.
- Keep the Mobile handheld PC at least 13 cm (5 inches) away from electrical appliances that can generate a strong magnetic field such as a TV, refrigerator, motor, or a large audio speaker.
- Avoid moving the Mobile handheld PC abruptly from a cold to a warm place. A temperature difference of more than 10 °C (18 °F) may cause condensation inside the unit, which may damage the storage media.

General Guidelines

- Do not place heavy objects on top of the Mobile handheld PC when it is closed as this may damage the display.
- To avoid damaging the screen, do not touch it with any sharp object.
- LCD image sticking occurs when a fixed pattern is displayed on the screen for a prolonged period of time. You can avoid the problem by limiting the amount of static content on the display. It is recommended that you use a screen saver or turn off the display when it is not in use.
- To maximize the life of the backlight in the display, allow the backlight to automatically turn off as a result of power management.
- Do not place heavy objects on top of the device when it is closed as this may damage the display.
- To avoid damaging the screen, do not touch it with any sharp object.
- LCD image sticking occurs when a fixed pattern is displayed on the screen for a prolonged period of time. You can avoid the problem by limiting the amount of static content on the display. It is recommended that you use a screen saver or turn off the display when it is not in use.
- To maximize the life of the backlight in the display, please allow the backlight to automatically turn off as a result of power management.

Cleaning Guidelines

- Never clean the Mobile handheld PC with its power on.
- Use a soft cloth moistened with water or a non-alkaline detergent to wipe the exterior of the Mobile handheld PC.
- Gently wipe the display with a soft, lint-free cloth.
- If water or liquid is split onto the Mobile handheld PC, wipe it dry and clean when possible. Though your Mobile handheld PC is water-proof, do not leave the Mobile handheld PC wet when you can dry it.
- If the Mobile handheld PC gets wet where the temperature is 0 °C (32°F) or below, freeze damage may occur. Make sure to dry the wet Mobile handheld PC.

Battery Pack Guidelines

- The battery pack is a consumable product and the following conditions will shorten its life:
 - when frequently charging the battery pack.
 - when using, charging, or storing in high temperature condition.
- To avoid hastening the deterioration of the battery pack thereby prolonging its useful life, minimize the number of times you charge it so as not to frequently increase its internal temperature.
- Charge the battery pack between 10°C ~ 30°C (50°F ~ 86°F) temperature range. A higher environment temperature will cause the battery pack's temperature to rise. Avoid charging the battery pack inside a closed vehicle and in hot weather condition. Also, charging will not start if the battery pack is not within the allowed temperature range.
- It is recommended that you do not charge the battery pack more than once a day.
- It is recommended that you charge the battery pack with the Mobile handheld PC's power off.
- To maintain the battery pack's operating efficiency, store it in a cool dark place removed from the Mobile handheld PC and with 30 % ~ 40 % charge remaining.
- Important guidelines when using the battery pack. When installing or removing the battery pack take note of the following:

- avoid installing or removing the battery pack when the Mobile handheld PC is in Sleep mode. Abruptly removing the battery pack may cause loss of data or the Mobile handheld PC may become unstable.
- avoid touching the battery pack terminals or damage may occur, thereby causing improper operation to it or the Mobile handheld PC. The Mobile handheld PC's input voltage and surrounding temperature will directly affect the battery pack's charge and discharge time:
- charging time will be prolonged when the Mobile handheld PC is turned on. To shorten the charging time, it is recommended that you place the Mobile handheld PC in sleep or hibernation mode.
- a low temperature will prolong the charging time as well as hasten the discharge time.
- When using battery power in an extremely low temperature environment, you may experience shortened operating time and incorrect battery level reading. This phenomenon comes from the chemical characteristics of batteries.
- Do not leave the battery pack in storage for more than six months without recharging it.

Touchscreen Guidelines

- Use the finger or stylus on the display. Using a sharp or metallic object other than your finger or stylus may cause scratches and damage the display, thereby causing errors.
- Use a soft cloth to remove dirt on the display. The touchscreen surface has a special protective coating that prevents dirt from sticking to it. Not using a soft cloth may cause damage to the special protective coating on the touchscreen surface.
- Turn off the Mobile handheld PC power when cleaning the display. Cleaning the display with the power on may cause improper operation.
- Do not use excessive force on the display. Avoid placing objects on top of the display as this may cause the glass to break thereby damaging the display.
- In low and high temperatures, the touchscreen may have a slower response time or register the touch in the wrong location. It will go back to normal after returning to room temperature.

When Traveling

- Make sure that the battery pack is fully charged.
- Make sure that the device is turned off.
- Make sure that all the connector covers are closed completely to ensure the waterproof integrity.
- Disconnect the AC adapter from the Mobile handheld PC and take it with you. Use the AC adapter as the power source and as a battery-charger.
- Hand-carry the device. Do not check it in as luggage.
- If you need to leave the device in the car, put it in the trunk of the car to avoid exposing the device to excessive heat.
- When going through airport security, it is recommended that you send the device and flash disks through the X-ray machine (the device you set your bags on). Avoid the magnetic detector (the device you walk through) or the magnetic wand (the handheld device used by security personnel).
- If you plan to travel abroad with your device, consult your dealer for the appropriate AC power cord for use in your country of destination.

7. Troubleshooting

Mobile handheld PC problems can be caused by hardware, software, or both. When you encounter any problem, it might be a typical problem that can easily be solved.

This chapter tells you what actions to take when solving common Mobile handheld PC problems.

7.1. Preliminary Checklist

Here are helpful hints to follow before you take further actions when you encounter any problem:

- Try to isolate which part of the Mobile handheld PC is causing the problem.
- Make sure that you turn on all peripheral devices before turning on the Mobile handheld PC.
- If an external device has a problem, make sure that the cable connections are correct and secure.
- Make sure that the configuration information is properly set in the BIOS Setup program.
- Make sure that all the device drivers are correctly installed.
- Make notes of your observations. Are there any messages on the screen? Do any indicators light? Do you hear any beeps? Detailed descriptions are useful to the service personnel when you need to consult one for assistance.

If any problem persists after you follow the instructions in this chapter, contact an authorized dealer for help.

7.2. Solving Common Problems

Battery Problems

The battery does not charge (The red indicator is not on).

- Make sure that the AC adapter is properly connected.
- Make sure that the battery is not too hot or cold. Allow time for the battery pack

to return to room temperature.

- If the battery doesn't charge after it has been stored in very low temperatures, try disconnecting and reconnecting the AC adapter to solve the problem.
- Make sure that the battery pack is installed correctly.
- Make sure that the battery terminals are clean.

The operating time of a fully charged battery becomes shorter.

 If you often partially recharge and discharge, the battery might not be charged to its full potential. Initialize the battery to solve the problem. (Fully charge in the shutdown state, discharge to 0%, and then fully charge the shutdown, cycle 2-3 times).

The battery operating time indicated by the battery meter does not match the actual operating time.

• The actual operating time can be different from the estimated time, depending on how you are using the Mobile handheld PC. If the actual operating time is much less than the estimated time, initialize the battery.

Bluetooth Problems

I cannot connect to another Bluetooth-enabled device.

- Make sure that both devices have activated Bluetooth feature.
- Make sure that the distance between the two devices is within the limit and that there are no walls or other obstructions between the devices.
- Make sure that the other device is not in "Hidden" mode.
- Make sure that both devices are compatible.

Display Problems

Nothing appears on the screen

• Automatically turn off as a result of power management. Press any key to see if the screen comes back.

- The brightness level might be too low. Increase brightness.
- The screen output may be switched to an external device. Please switch the display via Windows [**Control Panel**].

The characters on the screen are dim.

• Adjust the brightness and / or contrast.

Bad dots appear on the display at all times.

A small number of missing, discolored, or bright dots on the screen are an intrinsic characteristic of TFT LCD technology. It is not regarded as a LCD defect.

Hardware Device Problems

The Mobile handheld PC does not recognize a newly installed device.

- Make sure if any device driver needs to be installed. (Refer to the documentation that came with the device.)
- The device may not be correctly configured in the BIOS Setup program. Run the BIOS Setup program to identify the new type.
- Check the cables or power cords for correct connections.
- For an external device that has its own power switch, make sure that the power is turned on.

Power Management Problems

The Mobile handheld PC does not enter Sleep or Hibernation mode automatically.

- If you have a connection to another Mobile handheld PC, the Mobile handheld PC does not enter Sleep or Hibernation mode if the connection is actively in use.
- Make sure that the Sleep or Hibernation time-out is enabled.

The Mobile handheld PC does not enter Sleep or Hibernation mode immediately.

If the Mobile handheld PC is performing an operation, it normally waits for the

operation to finish.

The Mobile handheld PC does not resume from Sleep or Hibernation mode.

- The Mobile handheld PC automatically enters Sleep or Hibernation mode when the battery pack is empty. Do any one of the following:
 - Connect the AC adapter to the Mobile handheld PC.
 - Replace the empty battery pack with a fully charged one.

Software Problems

An application program does not work correctly.

- Make sure that the software is correctly installed.
- If an error message appears on the screen, consult the software program's documentation for further information.
- If you are sure the operation has stop, reset the Mobile handheld PC.

Sound Problems

No sound is produced

- Make sure that the volume control is not set too low.
- Make sure that the Mobile handheld PC is not in mute mode.
- Make sure that the Mobile handheld PC is not in Sleep mode.
- If using an external speaker, make sure that the speaker is properly connected.

Distorted sound is produced.

 Make sure that the volume control is not set too high or too low. In most cases, a high setting can cause the audio electronics to distort the sound.

Startup Problems

When you turn on the Mobile handheld PC, it does not seem to respond.

- If you are using an external AC power, make sure that the AC adapter is correctly and securely connected. If so, make sure that the electrical outlet works properly.
- If you are using the battery power, make sure that the battery is not discharged.

WLAN Problems

I cannot use the WLAN feature.

• Make sure that the WLAN feature is turned on.

Transmission quality is poor.

- Your Mobile handheld PC may be in an out-of-range situation. Move your Mobile handheld PC closer to the Access Point or another WLAN device it is associated with.
- Check if there is high interference around the environment and solve the problem as described next.

Radio interference exists.

- Move your Mobile handheld PC away from the device causing the radio interference such as microwave oven and large metal objects.
- Plug your Mobile handheld PC into an outlet on a different branch circuit from that used by the affecting device.
- Consult your dealer or an experienced radio technician for help.

I cannot connect to another WLAN device.

- Make sure that the WLAN feature is turned on.
- Make sure that the SSID setting is the same for every WLAN device in the network.
- Your Mobile handheld PC is not recognizing changes. Restart the Mobile handheld PC.
- Make sure that the IP address or subnet mask setting is correct.

I cannot access the network.

- Make sure that the network configuration is appropriate.
- Make sure that the user's name or password is correct.
- You have moved out of range of the network.

7.3. Restart the Mobile handheld PC

When the Mobile handheld PC crashes due to a problem, you may need to restart the Mobile handheld PC.

If you are sure that the Mobile handheld PC has crashed and you cannot use the reboot function provided by the operating system, please reboot in one of the following ways:

- Press Ctrl + Alt + Del on the keyboard to bring up the Ctrl-Alt-Del screen. This screen provides several operation options including "Restart".
- If the above method does not work, press and hold the power button for more than 5 seconds to force the Mobile handheld PC to shut down. Then turn it on again.