ALGIZ 10XR

Manual

handheld

INDEX

What's in the Box 4
Specification 5
Boot Options 6
Factory Reset 6
CAUTTION This procedure will erase all data on your disk. 6
Front Side 7
LED Indicators 8
Rear Side 9
Right Side 10
Bottom Side 10
AC Adapter 12
Battery Pack 12
CAUTION: Do not attempt to fix or replace the battery, as this may cause an explosion! Only use the specified battery and follow the instructions in the manufacturer's user manual. 12
Insertion of the Battery Pack 13
Removal of the Battery Pack 13
Charging the Battery 14
CAUTION: If unit is kept in storage for longer periods of time (6 months without it being used), the hot-swap battery might discharge to very low capacity, meaning its function no longer expected as normal. 14
Prior to hot-swap battery, please make sure tablet connected to AC adapter for one hour and charging full. 14
Installing SIM Card, Micro SD Card 15
Starting ALGIZ 10XR 15
Hot-Tab 17
Auto-rotation 17
Devices 18
(1) Bluetooth 18
(2) GPS 18
(3) WLAN 18
(4) WWAN (3G/4G/5G) - Optional 19
Battery Status 19
Keystrobe 20
Adjusting the LCD Brightness 20
Touch mode 21
Camera 22

FCC Compliance Statement 24
FCC Warning 24
FCC RF Radiation Exposure 24
Copyright Notice 27
Trademark Acknowledgement 27
Disclaimer 27
Customer Service 27

What’s in the Box

Item	Description
	One 3 Cell Li-Ion Battery Pack
	19V Adapter w/ standard power cord. Standard type, 1.8M
	ALGIZ 10XR Quick start guide

PART 1:
IDENTIFYING ALGIZ 10XR

Specification

ALGIZ 10XR is a rugged tablet PC designed for use in various challenging environments, e.g., field work, outdoor activities and construction sites. With its rugged design, ALGIZ 10XR is able to withstand shocks, vibrations, high humidity as well as high/ low temperatures.

System	
Processor	Intel Atom® x6413E Quad Core 1.5 GHz Processor
BIOS	AMI System BIOS
Chipset	Intel ATOM Soc Integrated
Memory	SO-DIMM DDR4 2666 8G
Storage	SATA interface, M.2-2242 SATA3, 128GB SSD module with possibility to upgrade to 256GB/512GB Max.
Audio	Microphone-in. Internal Speaker

Display Specification	
Size	10.1” (16:10)
Resolution	1920 x 1200
Brightness	850 cd/m2 (typ.)
Touch	10 points projective capacitive touch

I/O Connectors	
Right Side	1xUSB 3.0 Type-A, 1xUSB 3.0 Type-C,1x USB 3.0 Type-C Power Delivery / DisplayPort
Bottom Side	Pogo-pin for docking 1xDC Power Jack
Rear Side	Service Window Rear pogo connector for expansion

Buttons and Indicators	
Control Button	Power On/Off, Touch Mode/Lock, Menu, Windows key, two programmable hotkeys
LED Indicators	Power Status, SSD Status, Battery Status

Boot Options

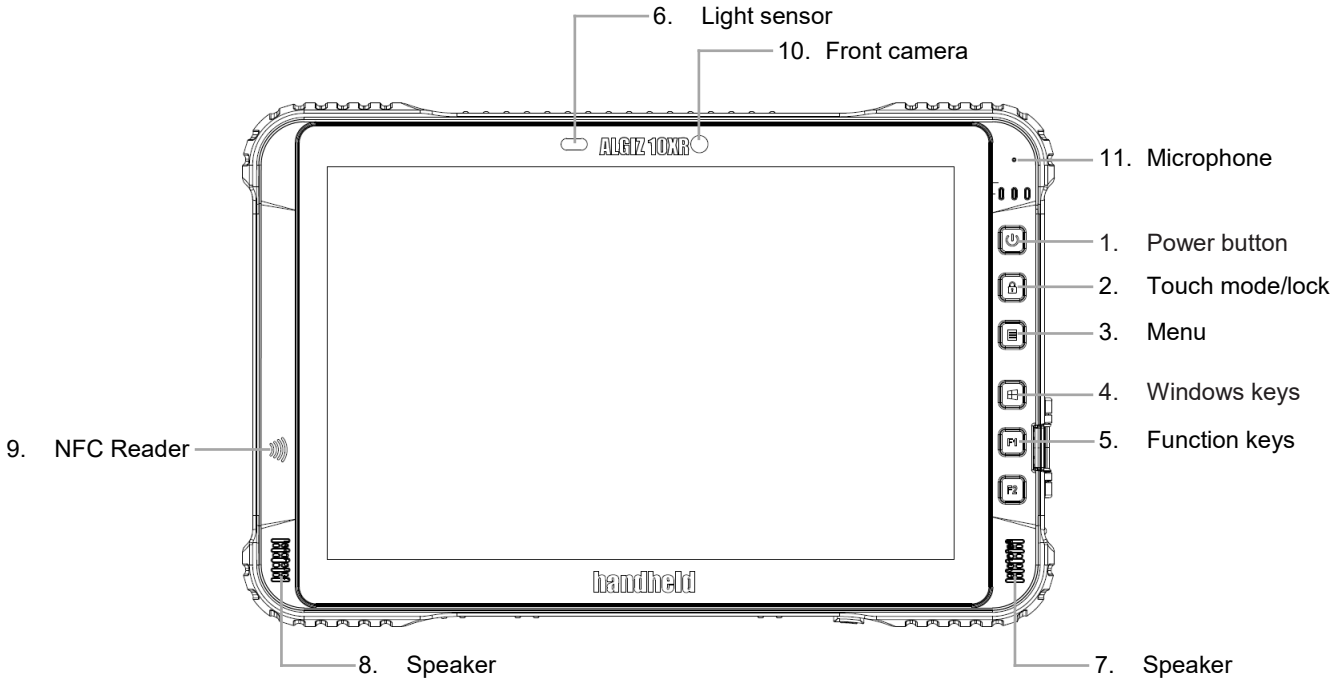
F1	Initiate factory reset

Factory Reset

The ALGIZ 10XR has a built-in recovery utility that can be used to reset your computer's SSD disk to its factory state. Press **F1** during booting when BIOS logo screen appears. Follow the instructions on the screen to continue with the factory reset.

⚠ **CAUTTION : This procedure will erase all data on your disk.**

Front Side



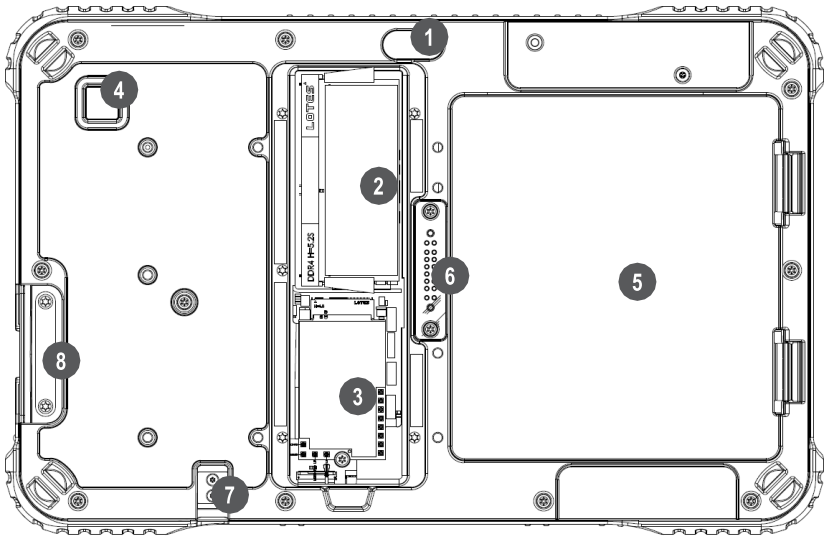
Ref.	Item	Description
1	Power button*	Hold down for a short period to turn the computer on
2	Touch mode/lock	Touch mode selection. Lock screen.
3	Menu	Controls brightness, battery, power tomodules and system information.
4	Windows key	Open start menu
5	Function keys	Two programmable buttons. Press menu to configure.
6	Light Sensor	Sense the ambient light for auto-adjustment of the display brightness. The feature can be enabled through the OSD Control Keypad.
7 & 8	Speaker	Front Speaker
9	NFC reader	NFC reader
10	Front camera	Front camera
11	Microphone	Voice input.

* If computer does not respond you can power off by holding down the Power Button until the LEDs switches off.Hold down for about 4 seconds.

LED Indicators

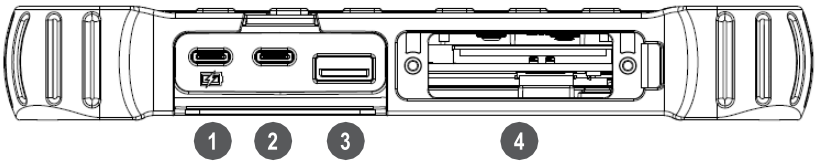
LED Term	Symbol	Indicator Status Description
Power Mode	⏻	Green: System is on No light: System is off or LED indicators are off in Hot Tab
Storage Status		Flashing blue light: SSD is reading/writing data
Battery Status		Green: Full battery, 100 % Red: Low battery, 10 % Orange: ChargingFlashing red: Running on Hot-swap battery

Rear Side



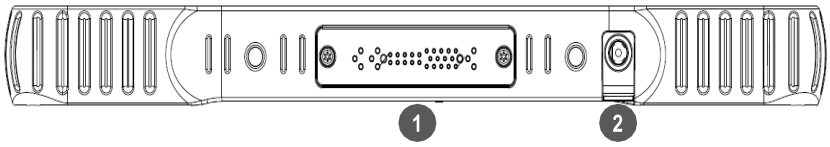
Ref.	Item	Description
1	Rear Camera	Rear camera with LED flash
2	Service Window	Expansion slots - Memory module
3	Service Window	Expansion slots - 5G module
4	Fingerprint Reader	Fingerprint reader
5	External Battery	Exchangeable external battery
6	Rear Pogo Connector	Rear pogo connector for expansion
7	DC Jack Cover	Waterproof cover for DC jack
8	I/O Connector Cover	Waterproof cover for USB ports

Right Side



Ref.	Item	Description
1	USB 3.0 Port	Type C (Power Delivery and DisplayPort Alternate Mode)
2	USB 3.0 Port	Type C
3	USB 3.0 Port	Type A
4	Side Expansion Slot	Side expansion slot for below expansion module ● RS232 module ● CAN BUS module ● RJ45 ethernet module

Bottom Side



Ref.	Item	Description
1	Bottom Pogo Connector	Bottom pogo connector for docking
2	DC Power Jack	19V DC/65W, 100 ~ 240V, 50 ~ 60Hz

PART 2:
USING ALGIZ 10XR

Before turning the unit on, make sure that the tablet is either connected to AC Adapter or Battery Pack.

AC Adapter

The ALGIZ 10XR power supply comprises the power adapter and the battery pack. The power adapter converts AC power from a wall outlet to the DC power required by the ALGIZ 10XR. Your ALGIZ 10XR comes with a universal AC-DC adapter. That means that you may connect the power cord to any 100V-120Vas well as 220V-240V outlets without using power converters. Different countries may require an adapter to be used to connect the supplied standard AC power cord to a different standard.

Battery Pack

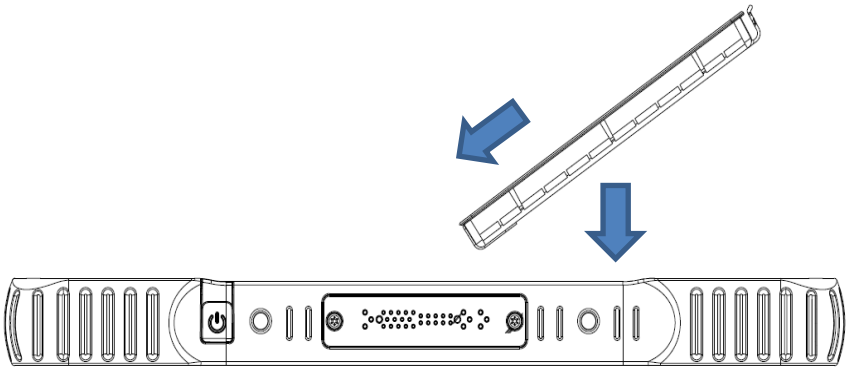
The ALGIZ 10XR is designed to work with two types of battery. A standard battery with 3640mAh and an extended battery with double the capacity. The battery life especially depends on the battery's condition, tablet usage, as well as the temperature.

The power rating and manufacturer information are listed as below. For safety reason, the adapter power cord must be connected to safety ground.

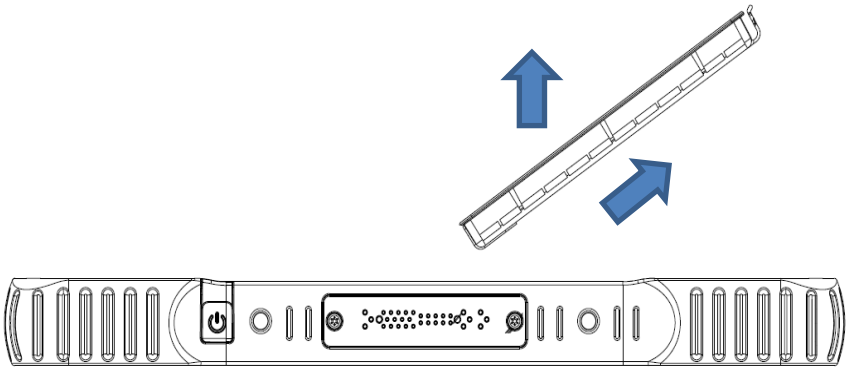
Power Adapter	Manufacturer: FSP TECHNOLOGY INC. Model: FSP065-RBBN3 Input Rated: 100-240Vac, 3.42A, 50-60Hz. Output Rated: DC 19V, 3.42A.
Battery Pack	Manufacturer: ATEMITECH CORPORATION Model: ALG10XR-1004 Rated: 3520mAh DC 11.55V

CAUTION: Do not attempt to fix or replace the battery, as this may cause an explosion! Only use the specified battery and follow the instructions in the manufacturer's user manual.

Insertion of the Battery Pack



Removal of the Battery Pack



Charging the Battery

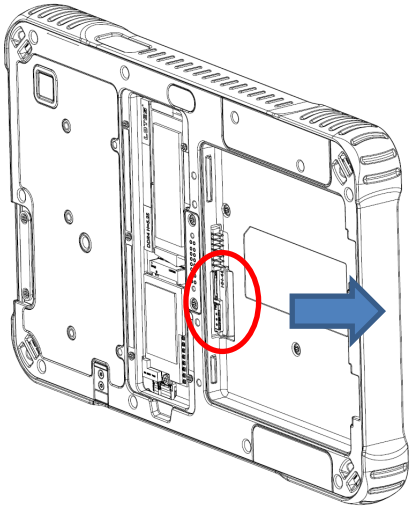
When the power adapter is plugged in, the battery automatically recharges regardless of whether your tablet PC is in the ON or OFF mode. It takes a couple of hours for the battery to be fully charged when the power is OFF and twice as long when the tablet PC is in use. When Tablet battery is low capacity and charging needed, the Red indicator is on. During charging process, the Orange indicator is on. When the battery is fully charged, the Green indicator is on.

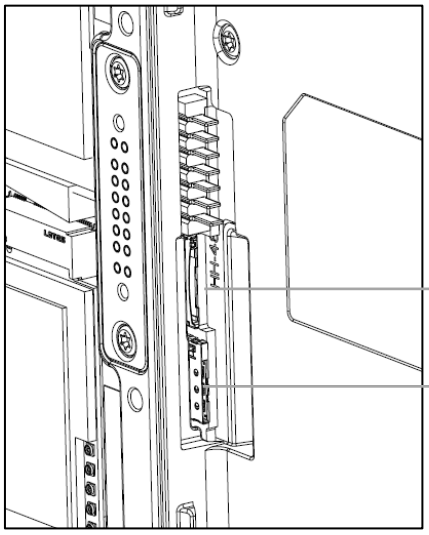
⚠ **CAUTION: If unit is kept in storage for longer periods of time (6 months without it being used), the hot-swap battery might discharge to very low capacity, meaning its function no longer expected as normal.**

Prior to hot-swap battery,please make sure tablet connected to AC adapter for one hour and charging full.

Installing SIM Card, Micro SD Card

Remove the battery on the rear side, SIM socket and Micro SD socket resident in the battery room. Insert the SIM card and Micro SD card, according to the pictures below.





Starting ALGIZ 10XR

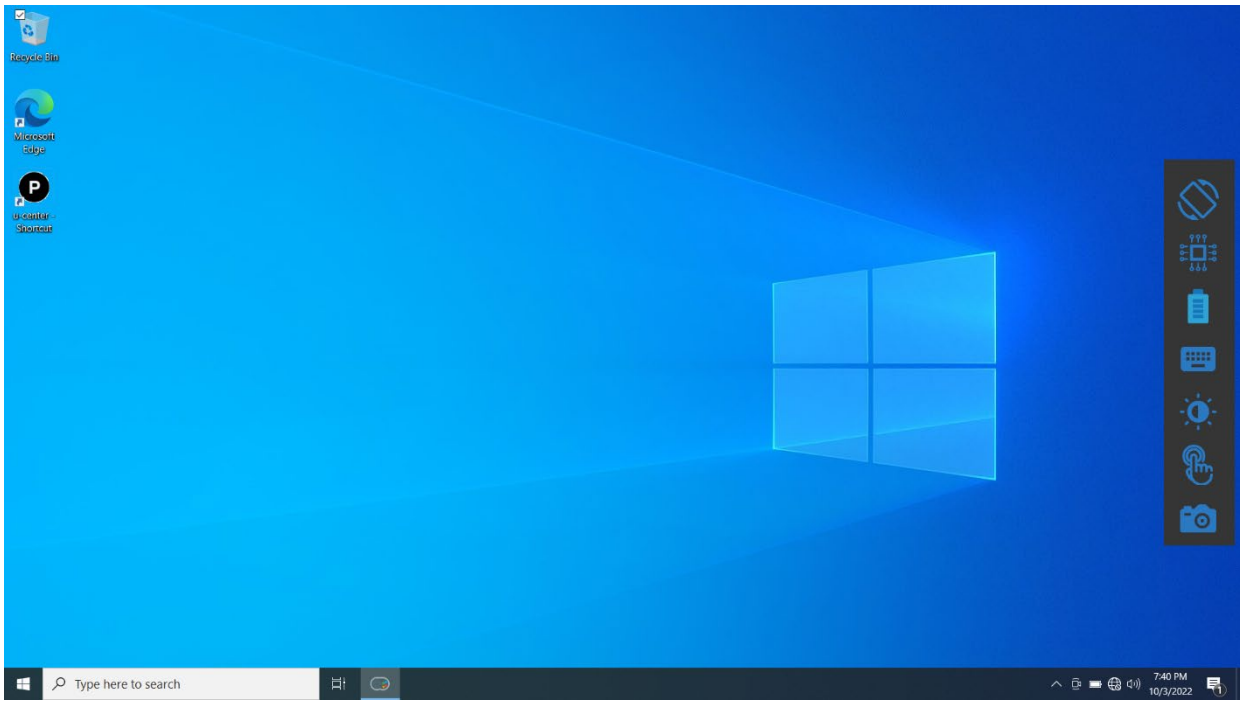
Press the power button for a while to power on the ALGIZ 10XR. Follow the Microsoft Windows on-screen instructions to get started with Windows.

PART 3:
SOFTWARE

Hot-Tab

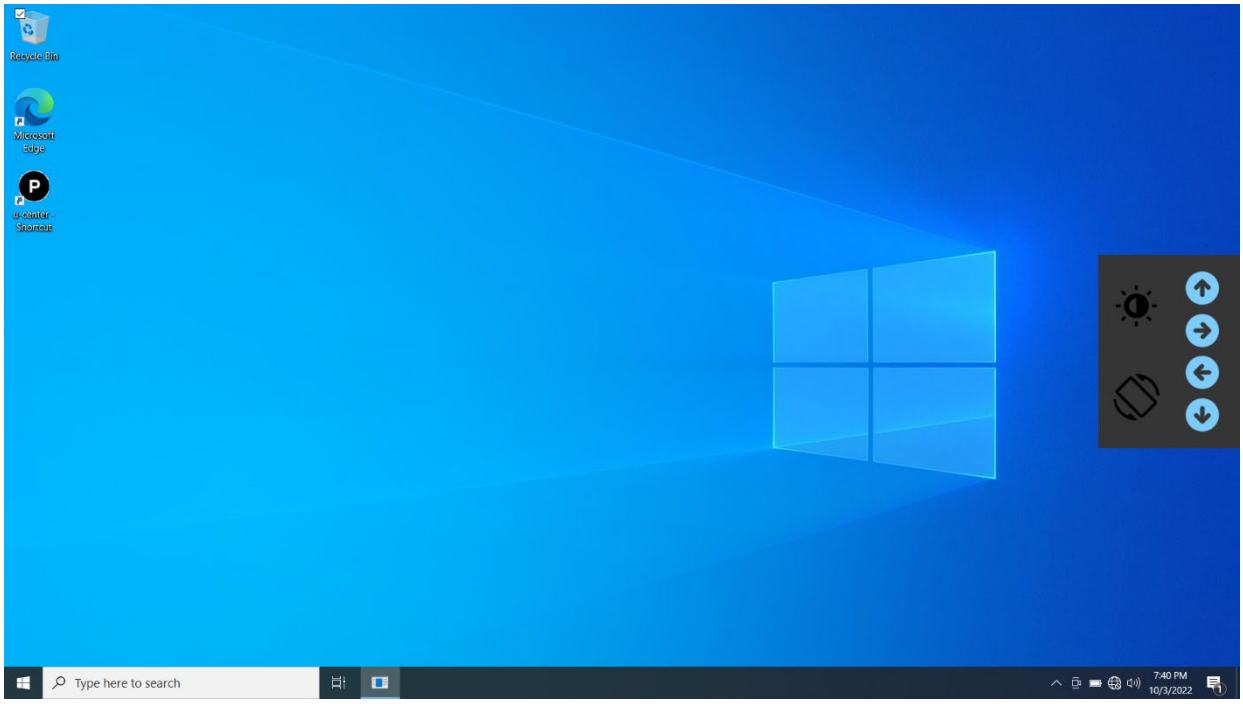
ALGIZ 10XR comes pre-installed with the control program Hot-Tab that can be used to monitor and control features and multiple connected devices such as screen brightness, screen orientation, battery status, Bluetooth, GPS, etc. You can press the menu button on the ALGIZ 10XR panel to open the program, and the interface will appear on the right side of the screen.

Closing the Hot-Tab interface: To close the Hot-Tab interface, click anywhere outside the Hot-Tab area.



Auto-rotation

You can choose to turn on the auto-rotate screen mode. Click the icon to enter the sub page.



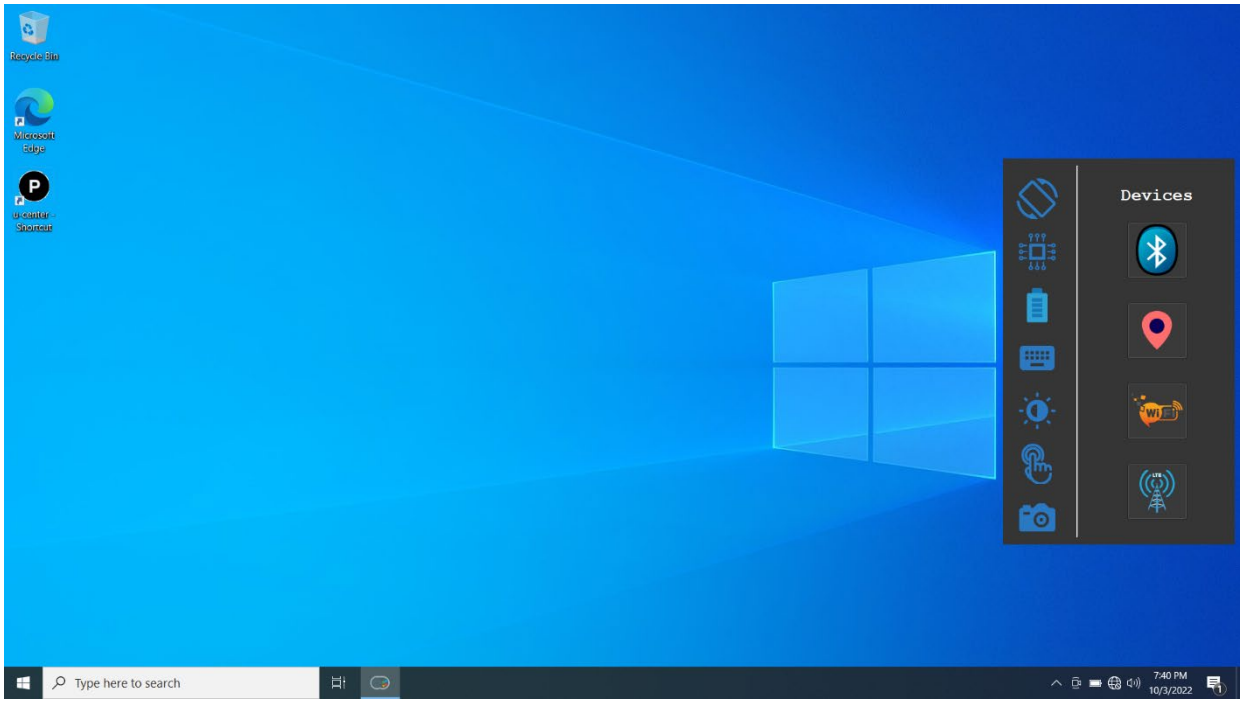
Click the icon to switch between automatic and manual rotate modes. In auto-rotate mode, the screen automatically rotates depending on the device's orientation. To select the manual-rotate mode, please use the right button to complete the setting.

Devices

Shortcut keys are available to turn on and off the following:

(1) Bluetooth
(2) GPS
(3) WLAN
(4) WWAN (5G/LTE) (supported, but not required)

Click the icon to open the sub-page.



(1)Bluetooth

ALGIZ 10XR has Bluetooth connectivity. Turn it on to establish connection with your Bluetooth devices.

Click the icon to turn Bluetooth on or off.

(2)GPS

ALGIZ 10XR has a GPS unit. Click the icon to set the GPS on or off.

After the GPS is turned on, it begins to search for satellite data to calculate its position. The calculation may take seconds to several minutes depending on factors such as the strength of the satellite signal and the noise density in the environment.

(3)WLAN

ALGIZ 10XR supports IEEE 802.11 ac/a/b/g/n and 2.4GHz/5GHz WiFi connection.

Click the icon to turn on or off the WiFi function.

(4) WWAN (3G/4G/5G) - Optional

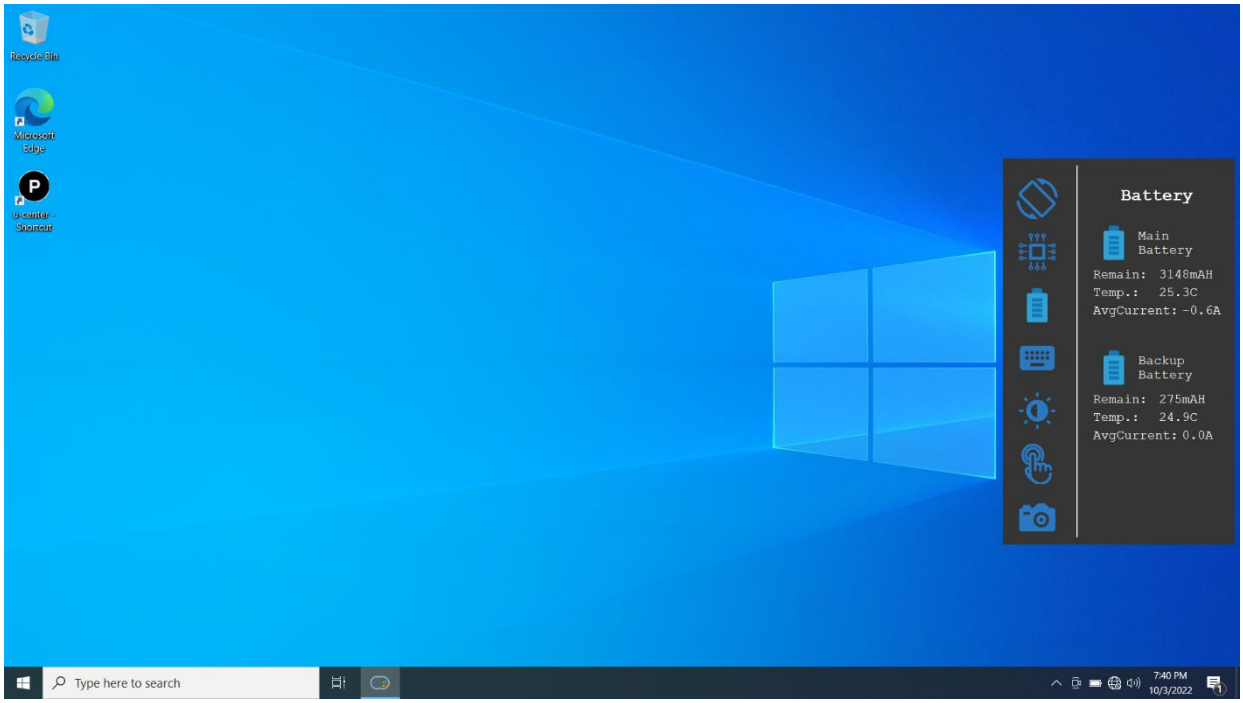
ALGIZ 10XR optionally supports WWAN (5G/LTE) connection. If a WWAN modem is installed, click the icon to turn on or off the WWAN function.

Reminder: Before connecting to a WWAN network, insert a suitable SIM card in the ALGIZ 10XR.

Battery Status

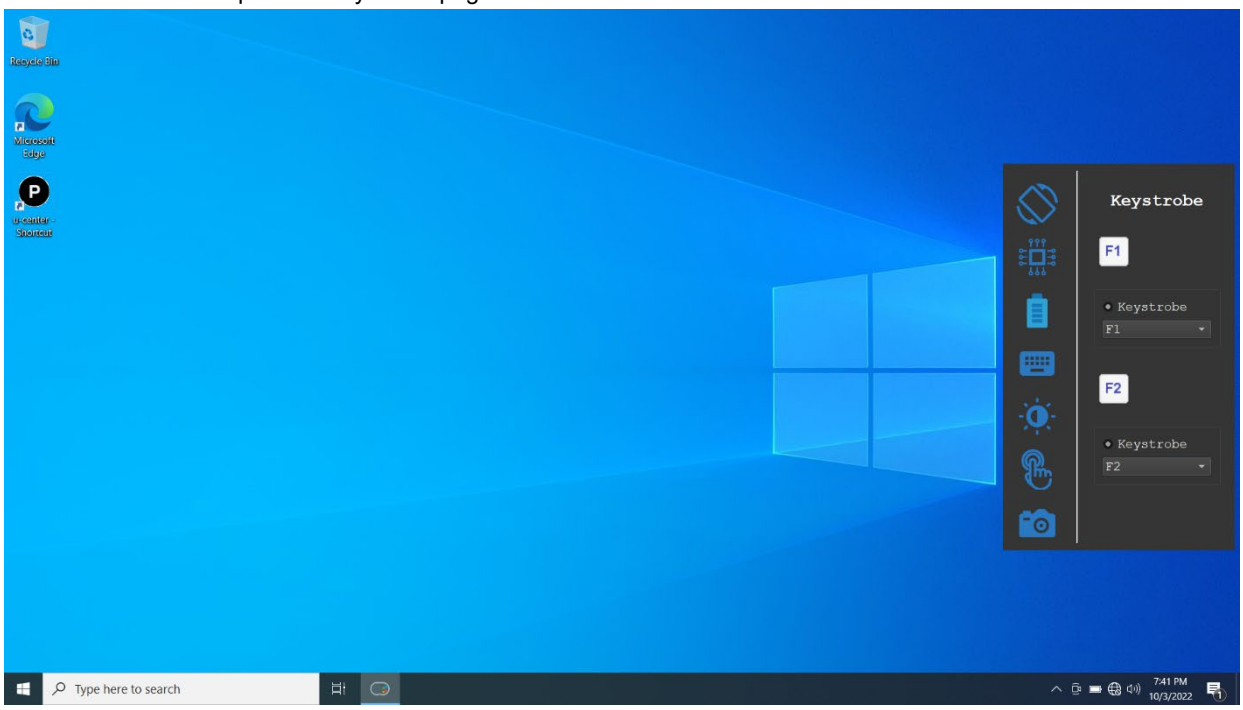
Click the icon to display the status of the primary and secondary batteries.

The ALGIZ 10XR is equipped with a spare secondary battery, which can be replaced without shutting down.



Keystrobe

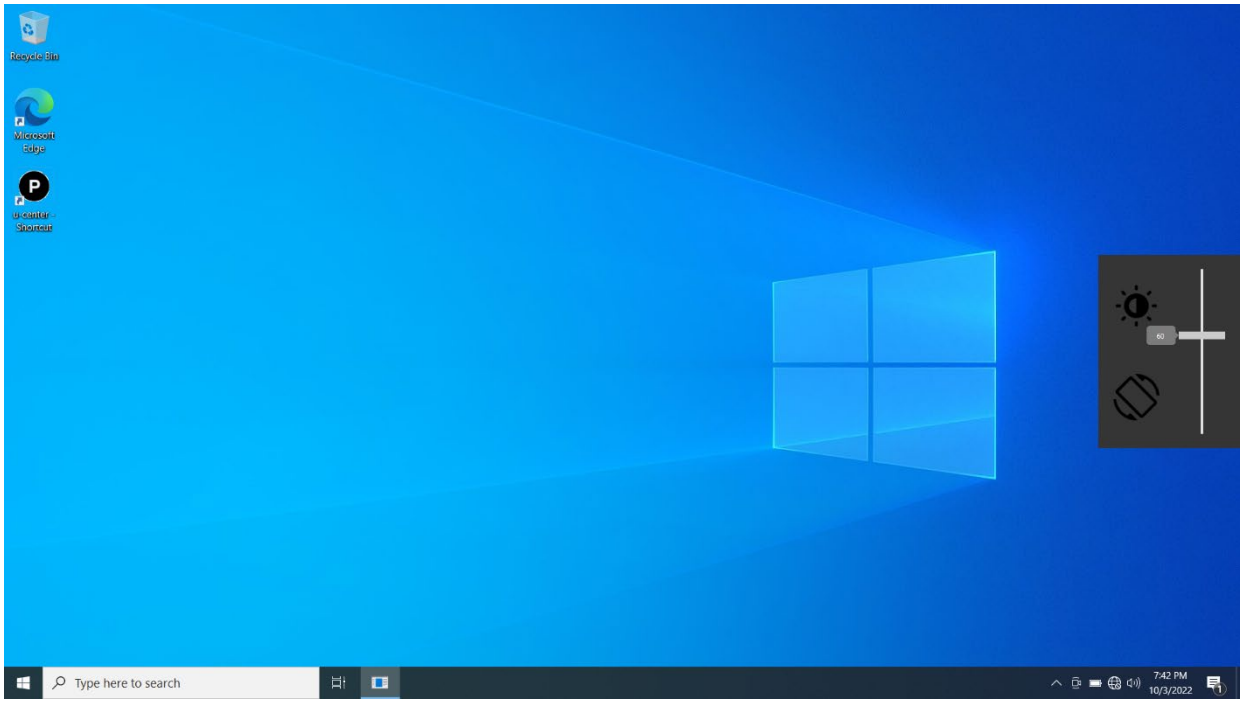
Click the icon to open the Keystrobe page.



The ALGIZ 10XR panel provides two user-defined function keys. Users can set the physical keys of the panel to any one of F1 to F12 according to their needs.

Adjusting the LCD Brightness

There are two LCD brightness adjusting modes: automatic dimming mode and manual dimming mode. Click the button to enter the sub page.



Click the icon to switch between automatic dimming mode and manual dimming mode. In automatic dimming mode, the LCD will automatically adjust the brightness of the screen based on the background brightness. In manual dimming mode, use the right lever to adjust the brightness.

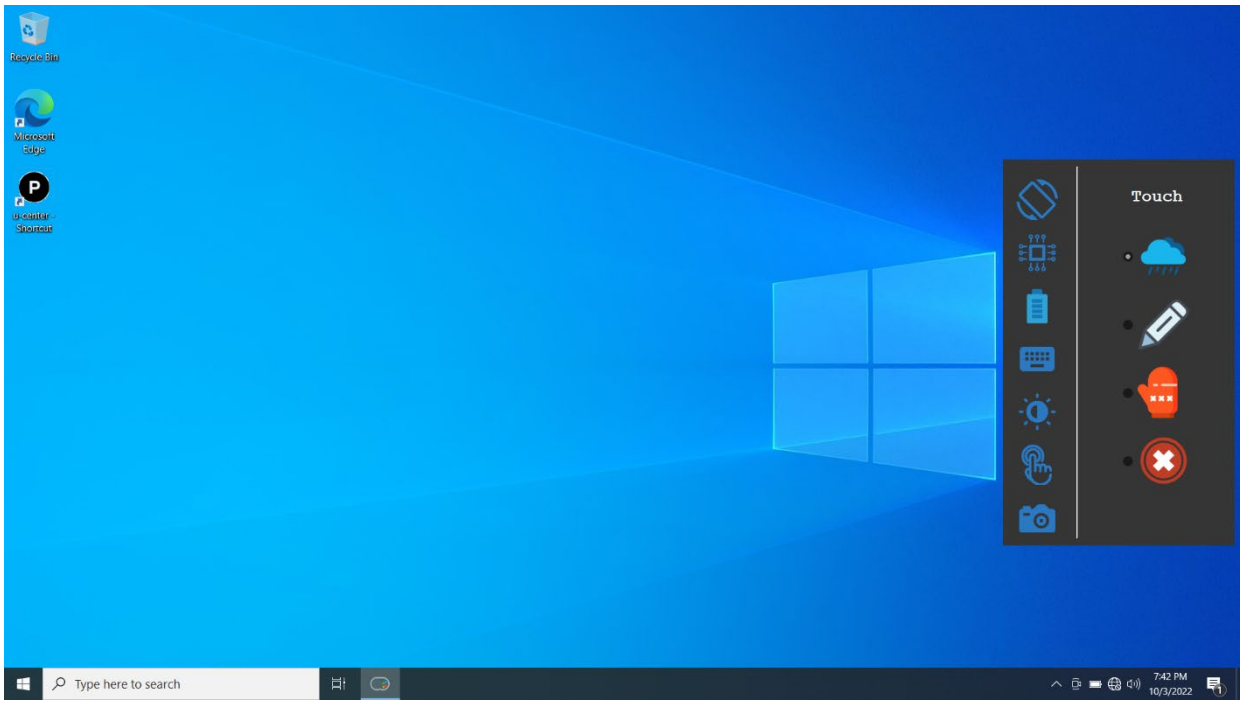
Touch mode

Click the button to enter the touch mode setting page.

It provides four modes: rain mode, pen mode, glove mode, and lock mode.

In locked mode, ALGIZ 10XR will not respond to any touch events on the screen.

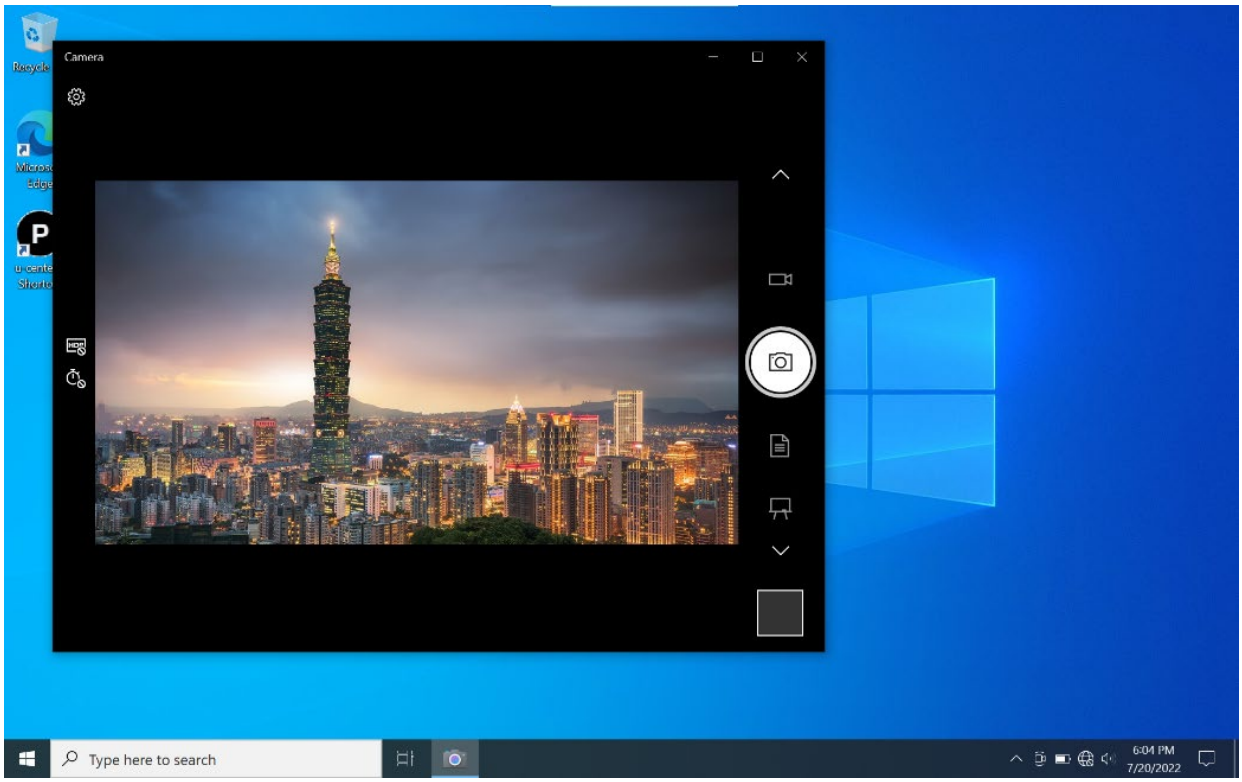
Reminder: You can also use the Touch mode/lock physical keys on the ALGIZ 10XR panel to change the touch mode.



Camera

ALGIZ 10XR is equipped with a 5-megapixel front lens and a 12-megapixel rear lens.

Click the icon to open the camera.



PART4:
REGULATORY INFORMATION

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device must not cause harmful interference, and

2. This device must be able to withstand any interference received, including interference that may cause undesired operation.

FCC Warning

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:

- Reorienting or relocating the receiving antenna.

Increasing the distance between the equipment and the receiver.

- Connecting the equipment to a different outlet from that to which the receiver is connected.

- Consulting the dealer or an experienced radio/TV technician for help.

Caution:

To comply with the limits for an FCC Class B computing device, always use the shielded signal cord supplied with this unit. The Federal Communications Commission warns that changes or modifications to the unit not expressly approved by the party responsible for compliance could invalidate the user's authority to operate the equipment.

FCC RF Radiation Exposure

This equipment complies with the FCC RF radiation exposure limits stipulated for an uncontrolled environment. This device and its antenna must not be co -located or operated in conjunction with any other antennas or transmitters.

ISED Warning

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1) L'appareil ne doit pas produire de brouillage;

2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;

Les dispositifs fonctionnant dans la bande de 5150 à 5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

CE Compliance

Hereby, Handheld Group AB declares that the radio equipment type ALGIZ 10XR is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address: xxxxxx

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

AT	BE	BG	HR	CY	CZ	DK
EE	FI	FR	DE	EL	HU	IE
IT	LV	LT	LU	MT	NL	PL
PT	RO	SK	SI	ES	SE	UK(NI)
IS	LI	NO	CH	TR		

UK Compliance

Hereby, Handheld Group AB declares that the radio equipment type ALGIZ 10XR is in compliance with the Radio Equipment Regulations 2017 (SI 2017/1206).
The full text of the UK declaration of conformity is available at the following internet address: xxxxxx

Restriction or Requirement in the UK: 5150 to 5350 MHz indoor-use only.

Spectrum and maximum power:

Bluetooth 2400 MHz ~ 2483.5 MHz: xx dBm

WLAN 2400 MHz ~ 2483.5 MHz: xx dBm

WLAN 5150 MHz ~ 5350 MHz: xx dBm

WLAN 5470 MHz ~ 5725 MHz: xx dBm

WCDMA band I/VIII: xx dBm

LTE band 1/3/7/8/20/28/38/40: xx dBm

5GNR n1/3/28: xx dBm

NFC 13.56 MHz: xx dBuA/m@10m

Waste Electrical and Electronic Equipment (WEEE)

This symbol means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. Proper recycling of your product will protect human health and the environment.

Copyright Notice

Copyright © 2010 Handheld Group AB, ALL RIGHTS RESERVED. No part of this document may be reproduced, copied, translated or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the prior written permission of the original manufacturer.

Trademark Acknowledgement

Brand and product names are trademarks or registered trademarks of their respective owners.

Disclaimer

Handheld Group AB reserves the right to make any product changes without notice, including to circuits and/or software described or contained in this manual, in order to improve design and/or performance. Handheld Group AB assumes no responsibility or liability for the use of the described product(s), conveys no license or title under any patent, copyright, or mask works rights to these products and makes no representations or warranties that these products are free from patent, copyright, or mask works rights infringement, unless otherwise specified. Applications described in this manual are for illustration purposes only. Handheld Group AB makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Customer Service

Support is provided by Handheld. Visit our website at www.handheldgroup.com to find updated information about the product. You can also contact your distributor, sales representative or our customer support center for further assistance. If you contact our customer support center please have the following information ready before you call:

Product serial number

Peripheral attachments

Software (OS, version, application software, etc.)

Description of complete problem

The exact wording of any error messages with print screen images

In addition to this, free technical support is available from our engineers during working hours. We are always ready to provide advice on application requirements or specific information about the installation and operation of any of our products. Please do not hesitate to call or e-mail us.

Manufacturer: Handheld Group AB
Address: Handheld Group AB, Kinnegatan 17 A, SE-531 33, Lidköping, Sweden
TEL: +46 (0) 510-54 71 70 FAX: +46 (0) 510-282 05