



handheld ALGIZ 10XR Rugged Tablet PCs User Manual

[Home](#) » [handheld](#) » handheld ALGIZ 10XR Rugged Tablet PCs User Manual 

Contents



- [1 handheld ALGIZ 10XR Rugged Tablet PCs](#)
- [2 What's in the Box](#)
- [3 Specification](#)
- [4 Factory Reset](#)
- [5 Installing SIM Card, Micro SD Card](#)
- [6 SOFTWARE](#)
- [7 FCC Statement](#)
- [8 Customer Service](#)
- [9 Documents / Resources](#)
 - [9.1 References](#)

handheld

handheld ALGIZ 10XR Rugged Tablet PCs



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

IDENTIFYING ALGIZ 10XR

Specification

- ALGIZ 10XR is a rugged tablet PC designed for use in various challenging environments, e.g., fieldwork, outdoor activities and construction sites. With its rugged design, ALGIZ 10XR can 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 the 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

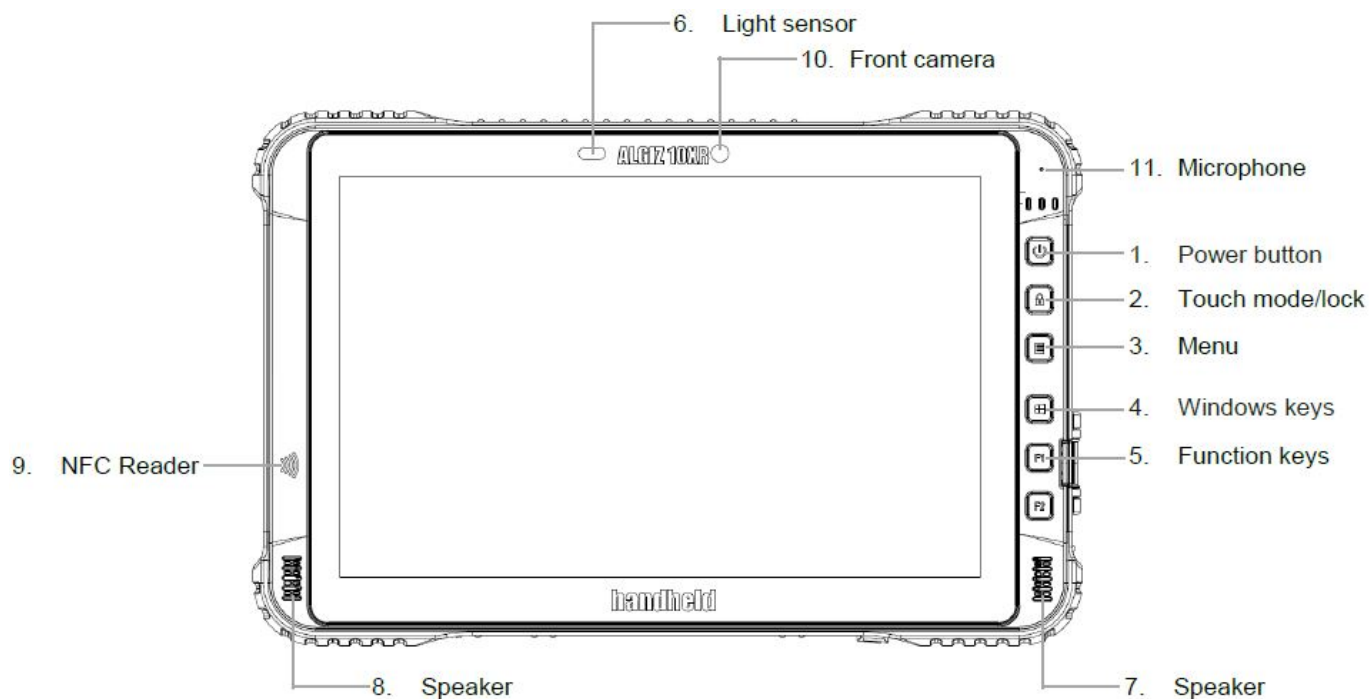
F1	Initiate factory reset
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Factory Reset

The A1-GIZ IOXR 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 the BIOS logo screen appears. Follow the instructions on the screen to continue with the factory reset.

CAUTION: This procedure will erase all data on our disk.




Front Side



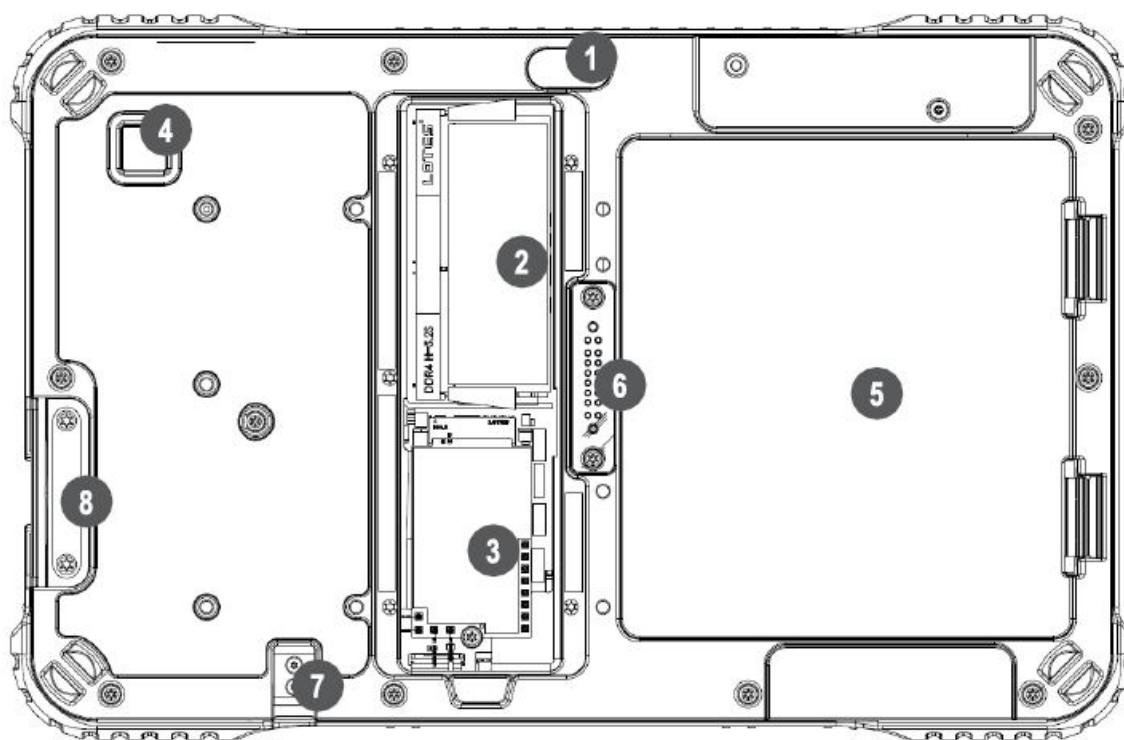
Ref.	Item	Description
1	Power button*	Hold down for a short period to turn the computer on
2	Touch mode/lock	Touch mode selection. Lock screen.
3	Menu	Controls brightness, battery, power modules and system information.
4	Windows key	Open start menu
5	Function keys	Two programmable buttons. Press the menu to configure.
6	Light Sensor	Since 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 the computer does not respond you can power it off by holding down the Power Button until the LEDs switch off. Hold down for about 4 seconds.

LED Indicators

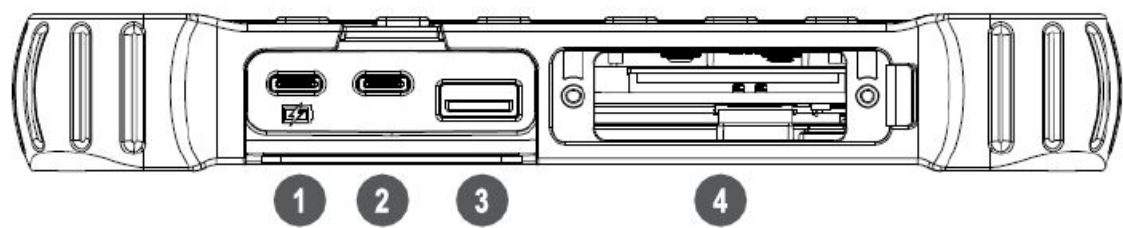
LEDTerm	Symbol	Indicator Status Description
Power Mode		Green: The system is on No light: System is off or LED indicators are off in Hot Tab
Storage Status		Flashing blue light: SSD is reading/writing data
Battery Status		Green: Full battery, 100 % Red: Low battery, 10 % Orange: Charging Flashing red: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

Rear Side



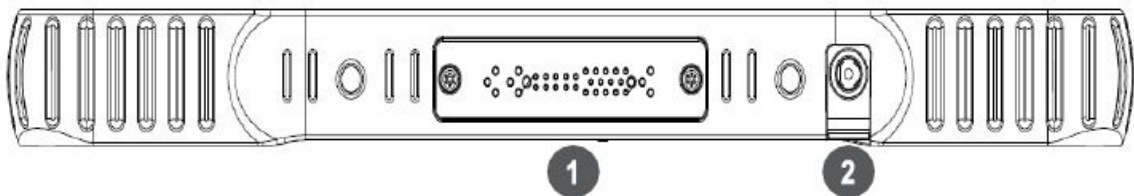
Ref.	Item	Description
1	Rear Camera	Rear camera with LED flash
2	Service Window	Expansion slots – Memory module
3	Service Window	Expansion slots – 5G module
4	Fingerprint Reader	Fingerprint reader
5	External Battery	Exchangeable external battery
6	Rear Pogo Connector	Rear pogo connector for expansion
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 <ul style="list-style-type: none">• 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

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 -120V as 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.

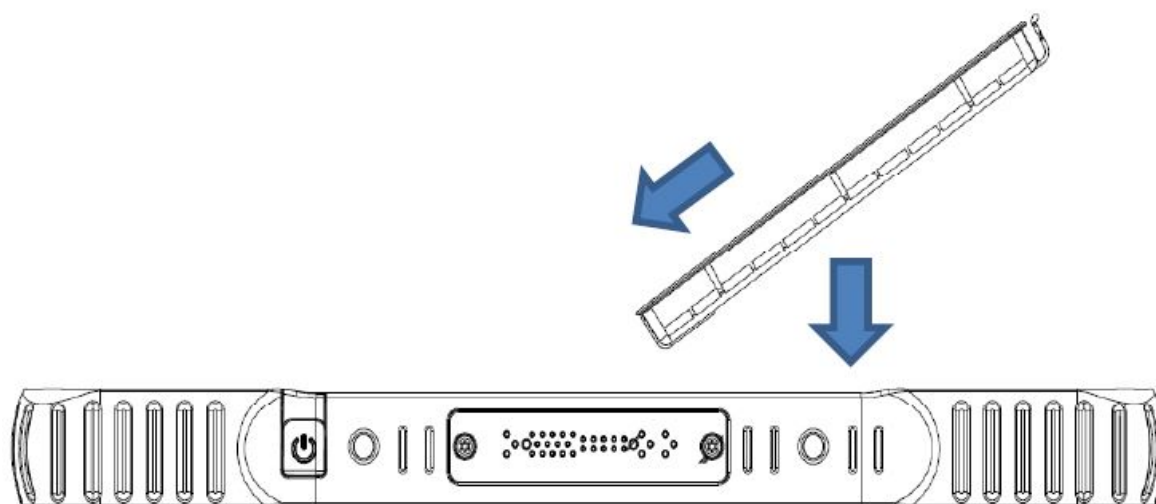
Battery Pack

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

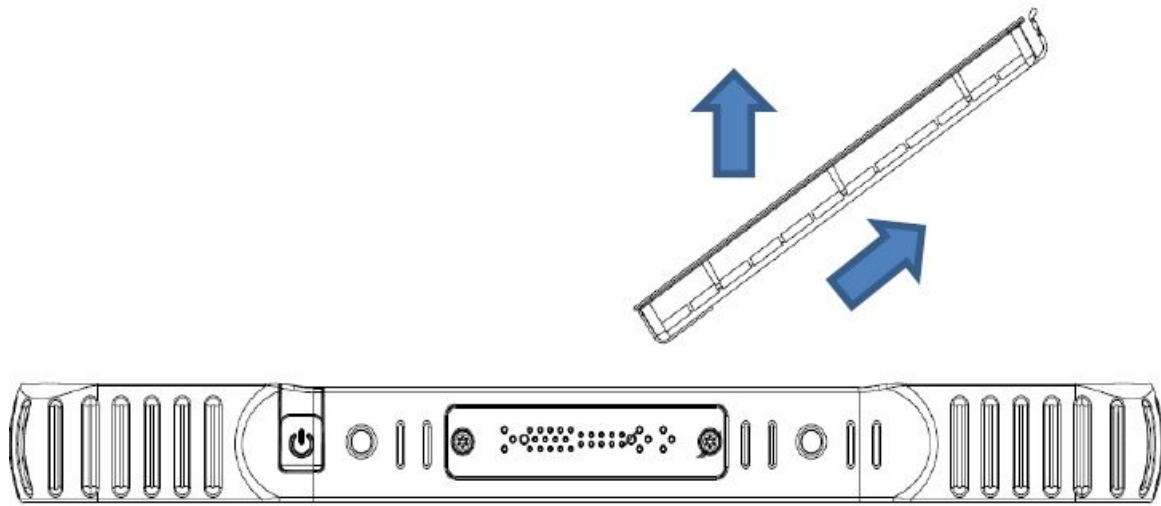
Power Adapter	Manufacturer: FSP TECHNOLOGY INC. Model: FSP065-RBBN3 Input Rated: 100-240Vac, 3.42A, 50-60Hz. Output Rated: DC 19V, 3.42A.
Battery Pack	Manufacturer: ATEMITECH CORPORATION Model: ALG10XR-1004 Rated: 3520mAh DC 11.55V

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



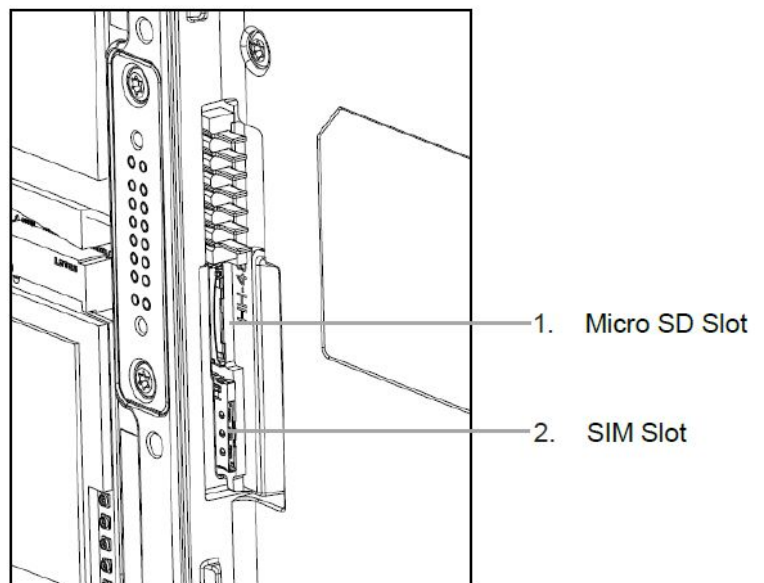
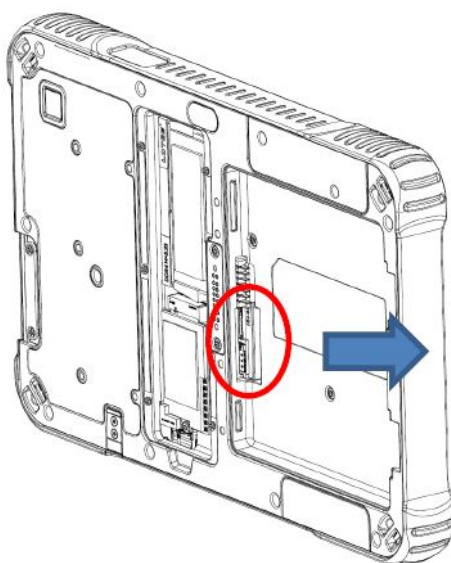
Charging the Battery

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 the Tablet battery is low capacity and charging is needed, the Red indicator is on. During the charging process, the Orange indicator is on. When the battery is fully charged, the Green indicator is on.

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



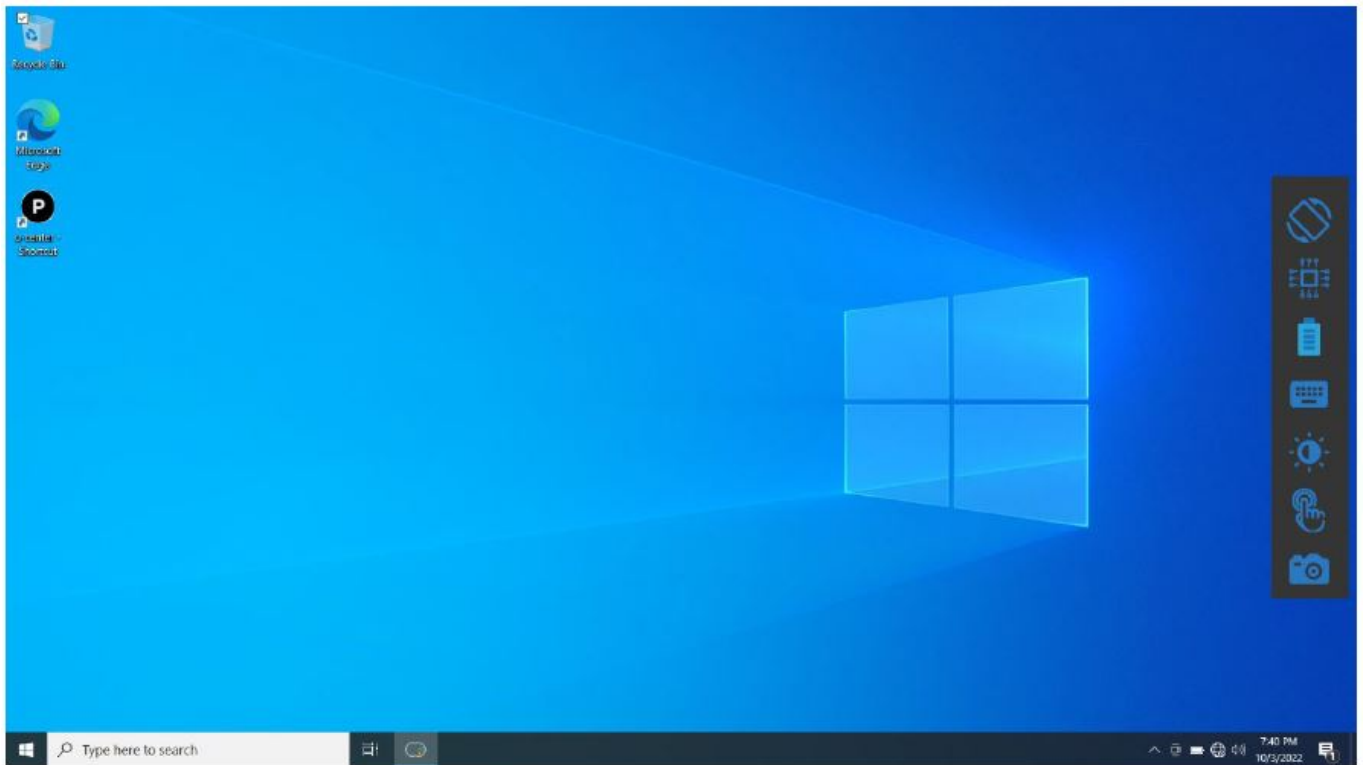
Starting ALGIZ 10XR

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.


SOFTWARE

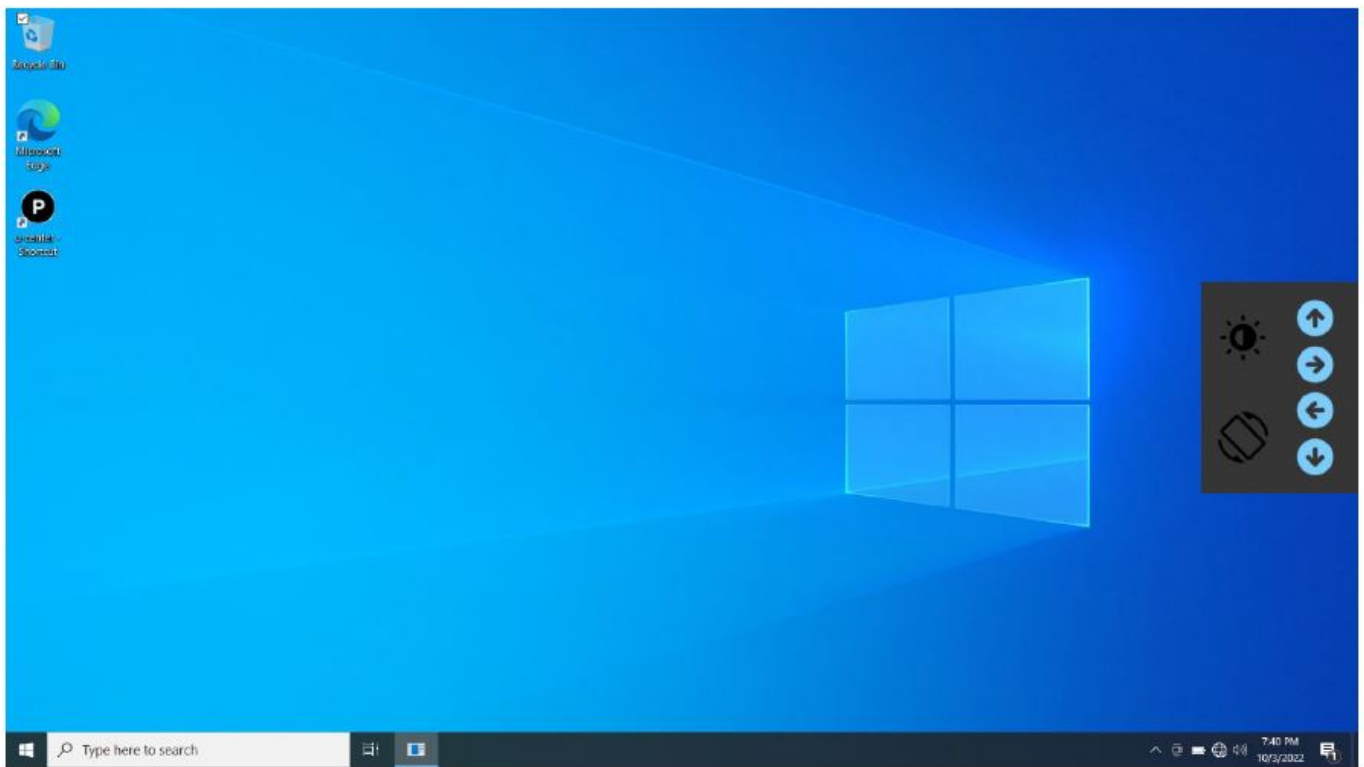
Hot-Tab


- ALGIZ 10XR comes pre-installed with the control program Hot-Tab which 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.




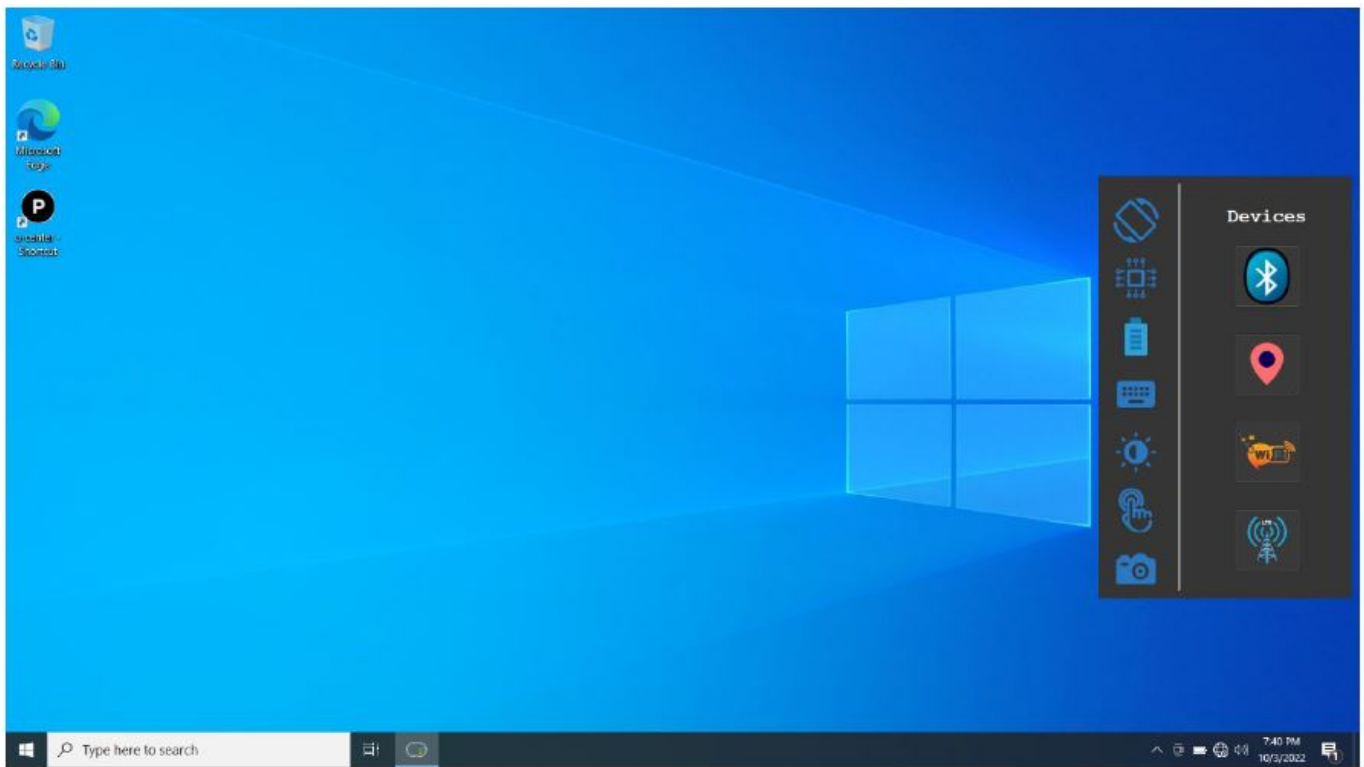
- Click the  icon to switch between automatic and manual rotate modes. In auto-rotate mode, the screen automatically rotates depending on the device's orientation. To select the manual-rotate mode, please use the right button to complete the setting.

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.




Bluetooth

- ALGIZ 10XR has Bluetooth connectivity. Turn it on to establish a connection with your Bluetooth devices.
- Click the  icon to turn Bluetooth on or off.


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.


WLAN

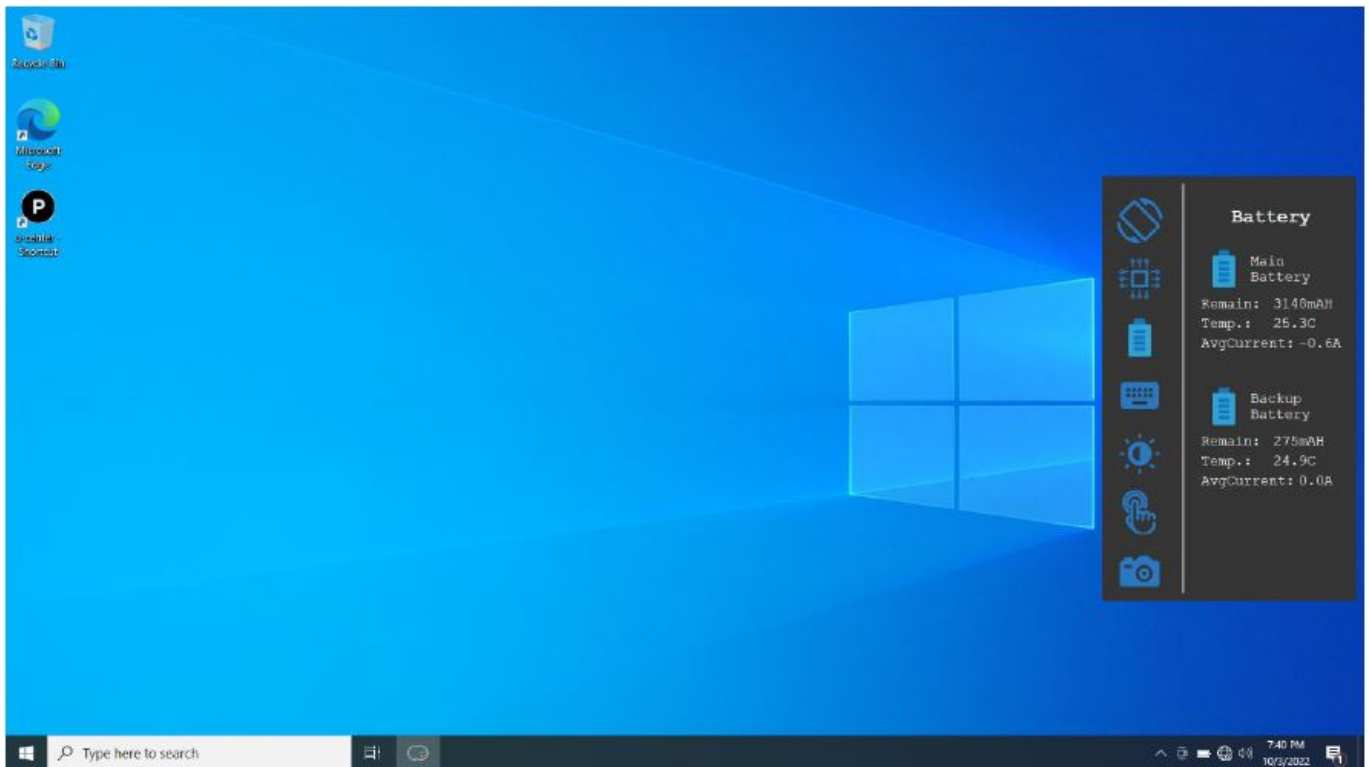
- ALGIZ 10XR supports IEEE 802.11 ac/a/b/g/n and 2.4GHz/5GHz WiFi connection.
- Click the  icon to turn on or off the WiFi function.

(4) WWAN (3G/4G/5G) – Optional

- ALGIZ 10XR optionally supports a 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.

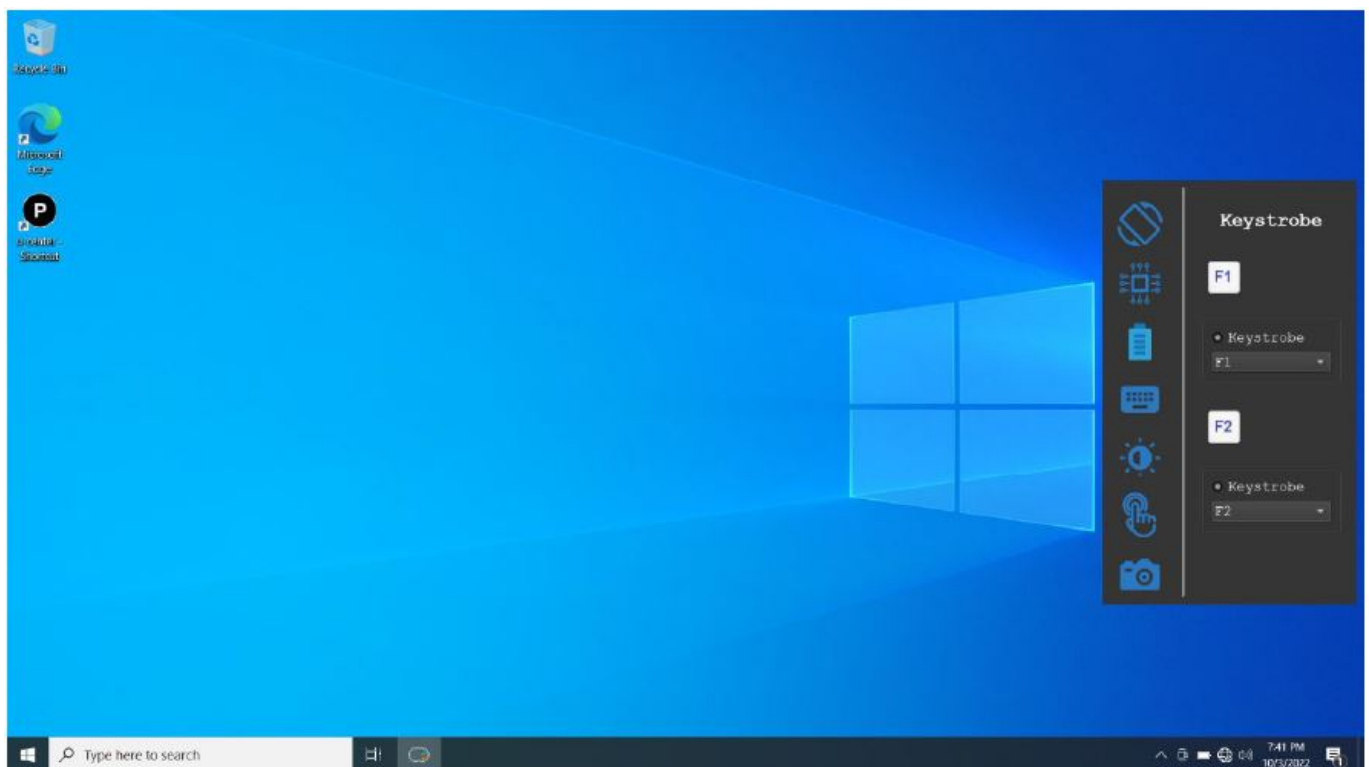
Battery Status

- 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

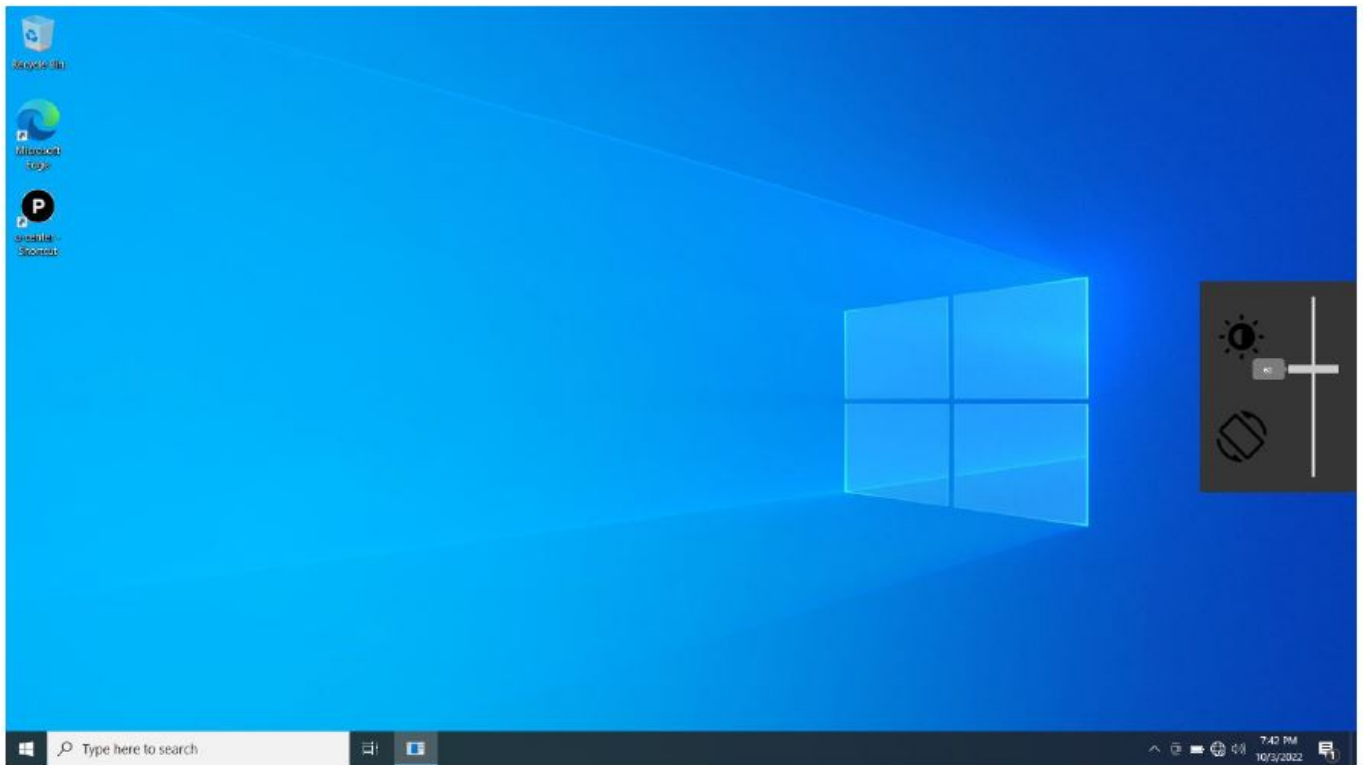
Click the  icon to open the Keystrobe page.




- 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

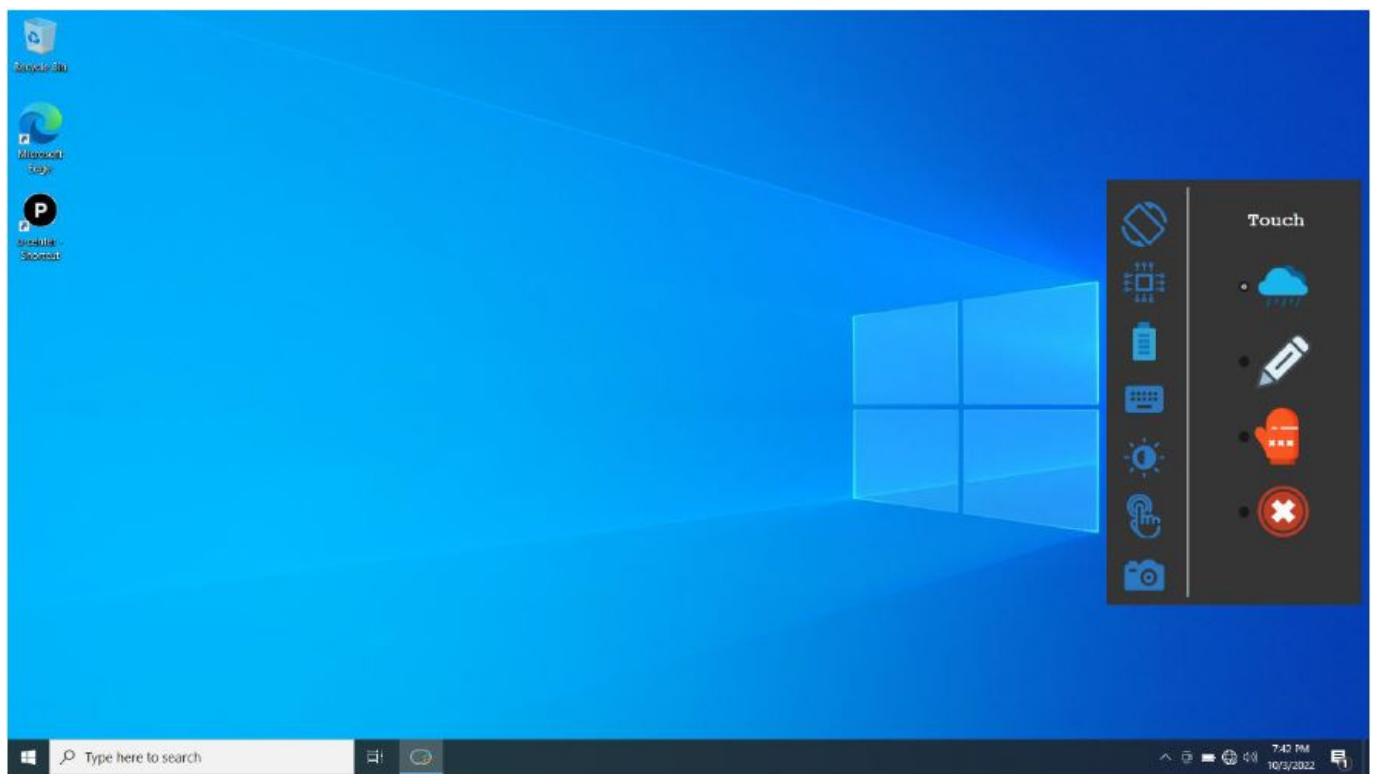
There are two LCD brightness adjusting modes: automatic dimming mode and manual dimming mode. Click the  button to enter the sub-page.




- 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.

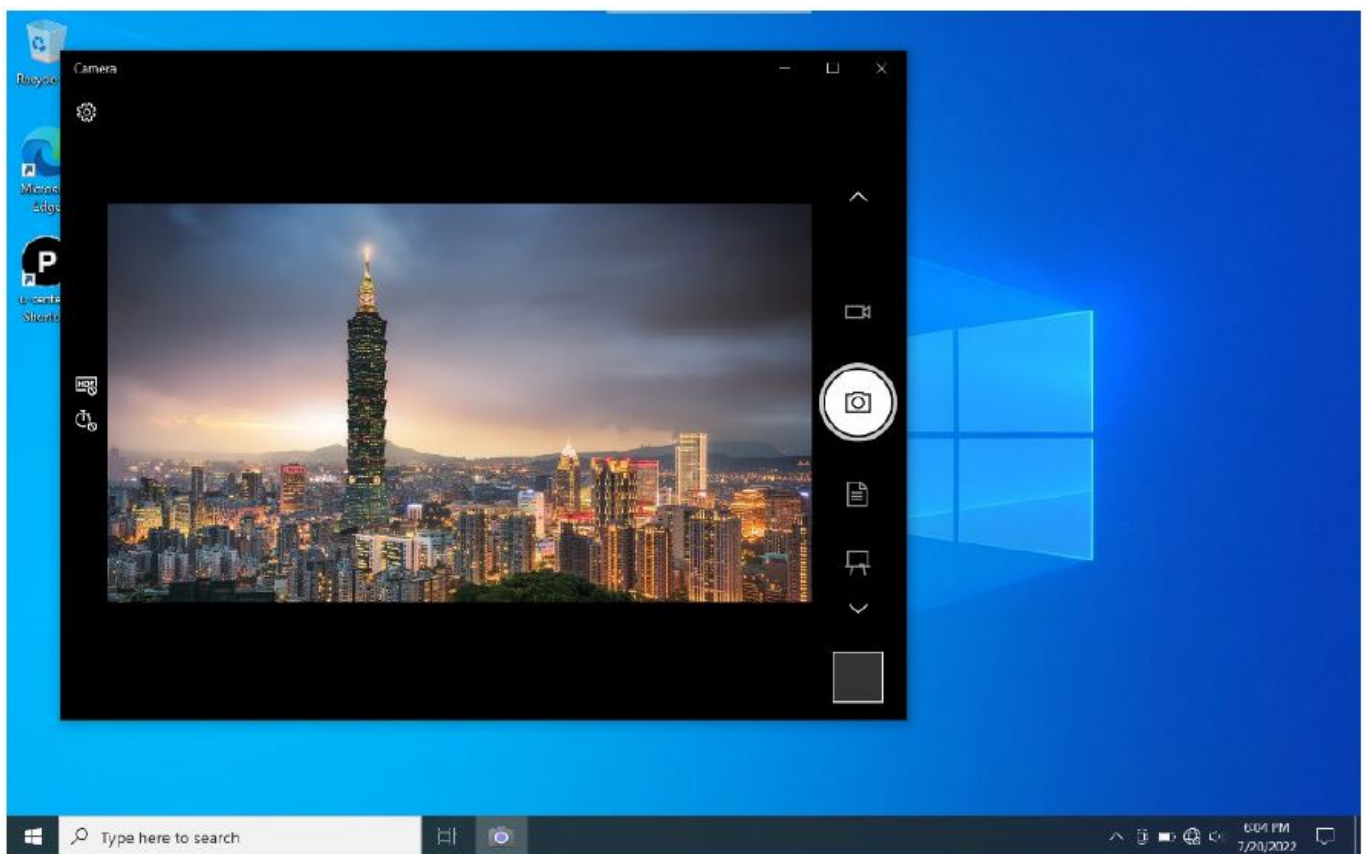
Touch mode

- 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.



REGULATORY INFORMATION

FCC Statement

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, according 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 under 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.

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;

CE Compliance

Hereby, Handheld Group AB declares that the radio equipment type ALGIZ 10XR complies 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 complies 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.



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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 centre 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 the 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
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Documents / Resources

<p>ALGIZ 10XR Manual</p>  <p>handheld</p>	<p>handheld ALGIZ 10XR Rugged Tablet PCs [pdf] User Manual</p> <p>ALGIZ 10XR Rugged Tablet PCs, ALGIZ 10XR, Rugged Tablet PCs, Tablet PCs</p>
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References

- [h Handheld Group - Rugged Computers for Tough Environments](#)
- [h Handheld Group - Rugged Computers for Tough Environments](#)
- [User Manual](#)

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