

MS-NDA1

User's Manual  
TABLET PC

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## Copyright and Trademarks Notice

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## Revision History

- ▶ Version: 1.0
- ▶ Date: 12, 25, 2023



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Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exempts de licence d'Industrie Canada. Le fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet dispositif ne peut causer des interférences; et
- (2) Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

The device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range.

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## Battery Regulations

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European Union: Batteries, battery packs, and accumulators should not be disposed of as unsorted household waste. Please use the public collection system to return, recycle, or treat them in compliance with the local regulations.

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廢電池請回收

Taiwan: For better environmental protection, waste batteries should be collected separately for recycling or special disposal.

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California, USA: The button cell battery may contain perchlorate material and requires special handling when recycled or disposed of in California.

For further information please visit: <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>

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### Safety Guideline for Using Lithium Battery

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the equipment manufacturer. Discard used batteries according to manufacturer's instructions.

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## WEEE Statement

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European Union: Under the European Union ("EU") Directive on Waste Electrical and Electronic Equipment, Directive 2002/96/EC, which takes effect on August 13, 2005, products of "electrical and electronic equipment" cannot be discarded as municipal waste anymore and manufacturers of covered electronic equipment will be obligated to take back such products at the end of their useful life.

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## Safety Instructions



Read the safety instructions carefully and thoroughly. All cautions and warnings on the equipment or user's manual should be noted.



Keep this equipment away from humidity and high temperature.



Lay this equipment on a stable surface before setting it up.



The openings on the enclosure are used for air convection and to prevent the equipment from overheating. Do not cover the openings.



- Do not leave the equipment in an unconditioned environment with a storage temperature above 60°C (140°F) or below -20°C (-4°F), which may damage the equipment.
- This unit should be operation under maximum ambient temperature of 50°C (120°F) or under 60°C (140°F) for light loading applications.

Followings are requirements of battery storage:



- If the storage duration is within 3 months, please remain the temperature at -20 °C ~45 °C ; If the storage duration is above 3 months but within 1 year, please remain the temperature at 23°C± 2°C .
- The battery capacity should remain at 30 ± 5%.
- The storage humidity should remain at 65 ± 25%RH.
- The battery charging temperature should be 10 °C ~45 °C , the discharging temperature should be -20°C ~60°C .
- For the maximum battery discharging performance, please remain the storage temperature at 25°C .



- Make sure the power voltage is within safety range and has been adjusted properly to the value of 100~240V before connecting the equipment to the power outlet.
- Always unplug the AC power cord before installing any add-on card or module to the equipment.
- Always disconnect the AC power cord or uninstall the battery pack or switch off the wall socket if the equipment would be left unused for a certain time to achieve zero energy consumption.



Place the power cord in a way that people are unlikely to step on it. Do not place anything on top of the power cord.



Always keep the strong magnetic or electrical objects away from the tablet.



Never pour liquid into the opening that could damage the equipment or cause an electrical shock.



If any of the following situations arises, get the equipment checked by a service personnel:

- The power cord or plug is damaged.
- Liquid has penetrated into the equipment.
- The equipment has been exposed to moisture.
- The equipment has not worked well or you can not get it work according to User's Manual.
- The equipment was dropped and damaged.
- The equipment has obvious signs of breakage.



#### Green Product Features

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

#### Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.



# Introductions

User's

TABLET PC

Congratulations on becoming an user of this product, the finely designed Tablet PC. You will have a delightful and professional experience in using this exquisite Tablet PC. We are proud to tell users that this Tablet PC is thoroughly tested and certified by our reputation for unsurpassed dependability and customer satisfaction.

## Unpacking

First, unpack the shipping carton and check all items carefully. If any item contained is damaged or missing, please contact your local dealer immediately. Also, keep the box and packing materials in case you need to ship the unit in the future. The package should contain the following items:

- ▶ Tablet PC
- ▶ Mounting Bracket
- ▶ Quick Start Manual(optional)

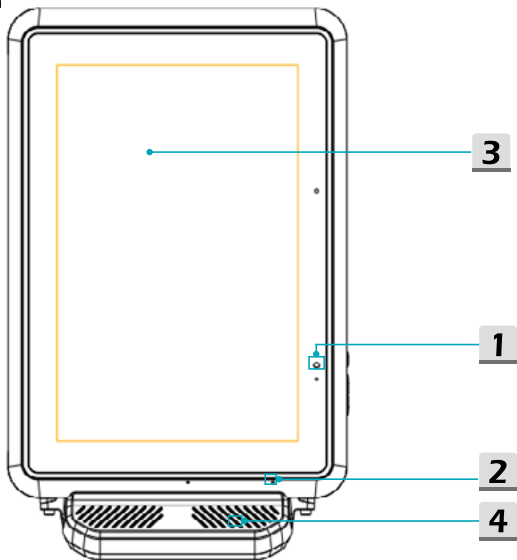
## Product Overview

This section provides the description of basic aspects of the Tablet PC. It will help you to know more about the appearance of this tablet before using it. Please be aware that the figures shown here are for reference only.

This device is primarily designed for only installation on golf carts, with an approximate distance of 50 cm between the device and the user.

### Open View

The figure of open view and description shown below will lead you to browse the main operating a



1. Front Camera

This built-in front camera can be used for picture taking, video recording or conferencing, and any other interactive applications.

2. Internal Microphone

This is the built-in microphone and its function is the same with microphone.

3. Touch Screen

Whenever the display is rotated, the touch screen will be rotated and expanded to fit the display automatically.

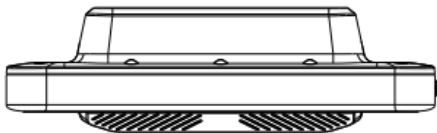
(NOTE: This function will be changed depends on the user's settings.)

4. Speaker

Support high quality sound.

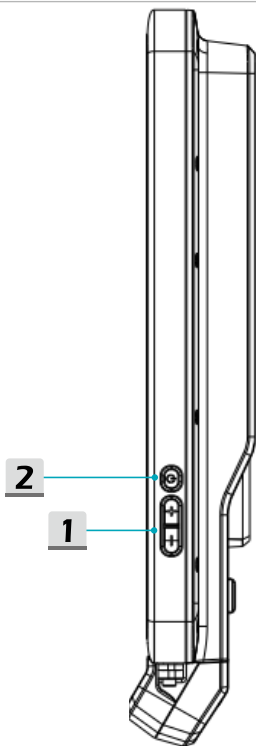
Top Side View

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Right Side View

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1. Volume Up **+** /Volume Down **-** Button

Press the Volume Up or Volume Down button to adjust the sound volume.

2. Power Button

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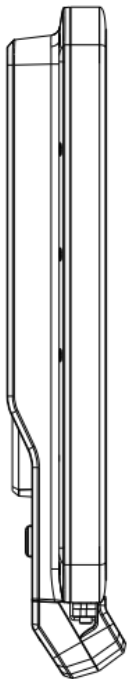
Power

Power Button

- Before powering on the Tablet for the very first time, you must connect it with AC power.
  - Press and hold the power button for 4 seconds can shut down the Tablet.
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Left Side View

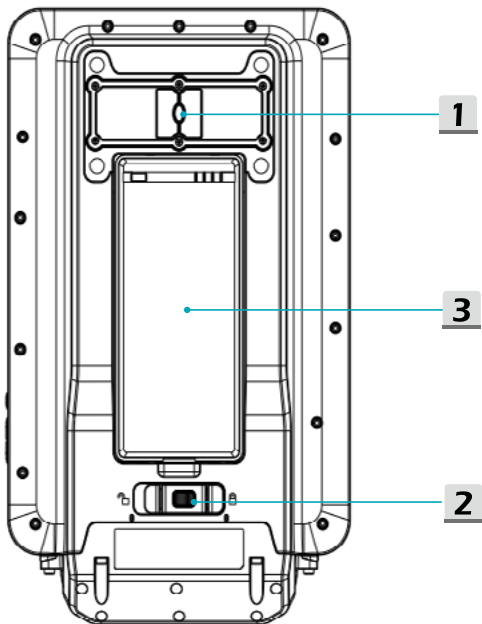
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## Rear Side View

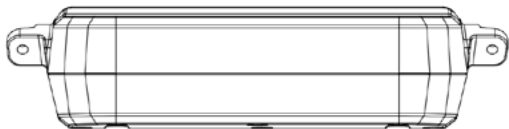
The figure of open view and description shown below will lead you to browse the main operating area of the Tablet PC.



1. Backup Battery Door
2. Battery latch  
To lock/unlock battery.
3. Main Battery

Bottom Side View

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## Specifications

The specifications listed here is reference only, and may change without notice. The actual products sold are different from areas.

Physical Characteristic	
Dimension	283.4(W) x 192.0(H) x 21.9(D) mm
Weight	< 1200 g
CPU	
Processor Type	RockChip RK3399
Supported Processor	Dual-core Cortex-A72+Quad-core Cortex-A53
Memory	
Technology	LPDDR3 1600
Memory	4GB on board
Storage (Note: items listed below may vary without notice)	
EMMC	128GB
I/O Port	
Audio Connectors	1 x Internal Microphone
Communication Port	
Wireless LAN	Supported
Bluetooth	Supported
Display	
LCD Type	10.1" IPS display
Resolution	1200 x 1920
Multi Touch	10-Point Touch Supported
Brightness	Brightness controlled by setting
Video	

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Wireless LAN	Supported
Bluetooth	Supported
Display	
LCD Type	10.1" IPS display
Resolution	1200 x 1920
Multi Touch	10-Point Touch Supported
Brightness	Brightness controlled by setting

# Getting Started

User's

TABLET PC

### Battery

Please follow your local laws and regulations to recycle the Tablet and battery pack.

- ▶ Conserving Battery Power

Efficient battery power is critical to maintain a normal operation. If the battery power is not managed well, the saved data and customized settings may be lost.

To optimize battery life and avoid a sudden power loss, read the tips below:

- Suspend system operation if the system will be idle for a while or shorten the suspend time period.
  - Turn off the system if you won't be using it for a period of time.
  - Disable unnecessary settings or remove idle peripherals.
  - Connect an AC/DC adapter to the system whenever possible.
- ▶ Charging the Battery Pack

The battery pack can be recharged when the Tablet PC is connected to the AC power. Please pay attention to the following tips before recharging the battery:

- You can use the system, suspend system operation or shut down and turn off the system without interrupting the charging process.
  - The battery pack uses Lithium-ion Polymer battery cells that have no "memory effect." It is unnecessary to discharge the battery before recharging. However, to optimize the life of battery, we suggest that consuming the battery power completely once a month is necessary.
  - The actual charging time will be determined by the applications in use.
- ▶ Safety guidelines
  - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to manufacturer's instruction.
  - Always keep the Tablet PC and its battery away from excessive moisture and extreme temperatures.
  - Always unplug the AC power cord before installing any module to the Tablet PC.

(NOTE: Please do not charge battery in temperature below 0 °C or above 45 °C , it may cause safety issue.)

