

NEBULA

by Anker



User Manual
Nebula Capsule Max

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Table of Contents

Safety Instructions	02
What's Included	05
Overview	05
Getting Started	10
Nebula App	12
Settings	13
Using the Nebula Capsule Max	16
Specifications	21
Troubleshooting	22
Notice	23
Trademarks	26
Warranty	26

Safety Instructions

Read all instructions before you use this device. Do not make any changes or create settings that are not described in this manual. If physical injury, loss of data, or damage is caused by failure to follow instructions, the warranty does not apply.

Setup

- To reduce the risk of fire and / or electric shock, do not expose the device to rain or moisture. Objects filled with liquids, such as vases, should not be placed on this device.
- Do not place this device on soft surfaces such as tablecloths or carpets, otherwise the device could be a fire hazard.
- Do not place this device in areas susceptible to excessive dust and dirt or near any appliance generating a strong magnetic field.
- To prevent overheating, do not block or clog the ventilation openings.
- Never place this device in a confined space. Always leave enough space around this device for ventilation.
- Avoid overexposing this device to direct sunlight, heat, large temperature fluctuations, and moisture. Avoid extreme temperatures. The suitable operation and storage temperature for this device and its accessories is 41°F to 95°F / 5°C to 35°C .
- When this device is running for a long period of time, the surface may become hot. If this occurs, shut it down immediately and unplug the charger. Resume operation after the device has cooled down.
- Always handle this device with care. Avoid touching the lens.
- Do not allow children to handle the device without supervision.
- Do not place heavy or sharp objects on this device.
- To avoid electric shock, do not disassemble the device.
- Only use attachments or accessories specified by the manufacturer.
- Avoid extreme vibrations as they may damage the internal components.

Power Supply

- Use only the provided power adapter.
- Power off the device before removing the power supply from the socket.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from this device.
- Unplug this device if there are lightning storms or when unused for a long period of time.
- Where the power plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- Before you make or change any connections, ensure that all devices are disconnected from the power outlet.
- Never touch the power cable or the power connector with wet hands.

Hearing Safety

- To prevent hearing damage, do not listen for extended periods at high volume. Set the volume to a safe level.

Charging

- The charger type is Q183 with output voltage / current of DC 9V/2A. The charger should be installed near this product and should be easily accessible.
- This charger is for indoor use only.
- When charging, place this device in an environment that has a normal room temperature (ranges from 41°F to 77°F / 5°C to 25°C) and good ventilation.
- Due to the enclosure material, this device must only be connected to a USB 2.0 or higher.

Battery

- Do not replace the built-in battery yourself. Contact an authorized service center to replace it.

- The remote control contains batteries which can be swallowed. Keep the remote control out of the reach of children.
- Risk of explosion! Keep batteries away from heat, direct sunlight, or fire. Never dispose of batteries by burning.
- Remove the batteries when the remote control has not been used for a long period of time.
- Replace the remote control batteries only with the same or an equivalent type.
- Batteries contain chemical substances and they should be disposed of properly.
- Charge this device regularly. Do not store this device with a completely discharged battery.

Cleaning

- Use a soft, lint-free cloth. Never use liquid, gaseous, or easily flammable cleansers to clean.
- Do not use any liquid cleaning agents to clean the lens to avoid damaging the coating film on the lens.
- Wipe the surfaces gently. Be careful that you do not scratch the surface.
- Use lens cleaning paper to clean the lens.

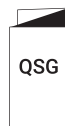
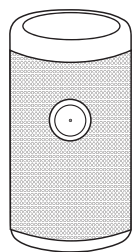
Repairs

- Do not make any repairs to this device yourself. Only have your device repaired by an authorized service center.
- Improper maintenance can result in injuries to persons or damage to this device.
- Refer all servicing to qualified service personnel.

Caution

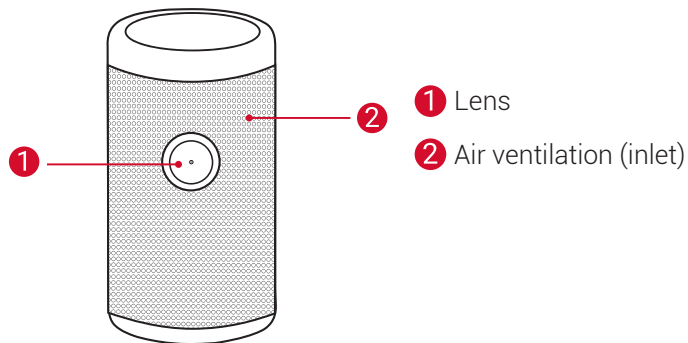
- Possibly hazardous optical radiation emitted from this device.
- Do not stare directly at the operating beam. The bright light may damage your eyes.

What's Included

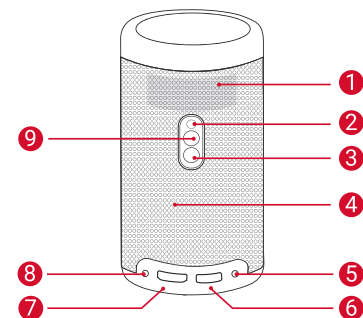



Overview

1. Front View

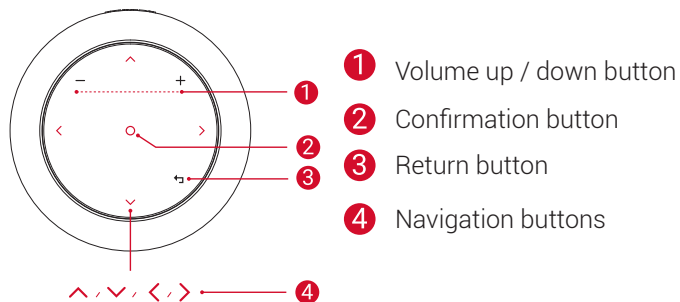


2. Rear View

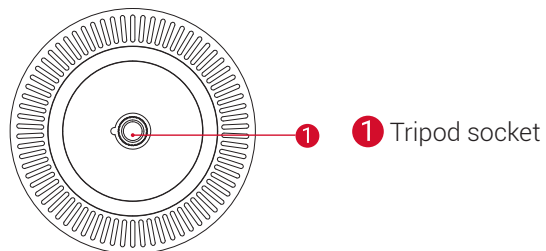


- 1 Air ventilation (outlet)
- 2 Infrared receiver
- 3 Power button
 - Press and hold for 2 seconds to power on / off
 - Press to wake up the projector / enter the standby mode in projector mode
- 4 Speaker
- 5 DC-IN
 - Connect to power supply (with supplied adapter)
- 6 USB port
 - Connect to a USB flash drive
- 7 HDMI port
 - Connect to a playback device via HDMI output
- 8 AUX-out socket
- 9 
 - Press to switch between Bluetooth speaker mode and projector mode
 - Bluetooth speaker power on / off

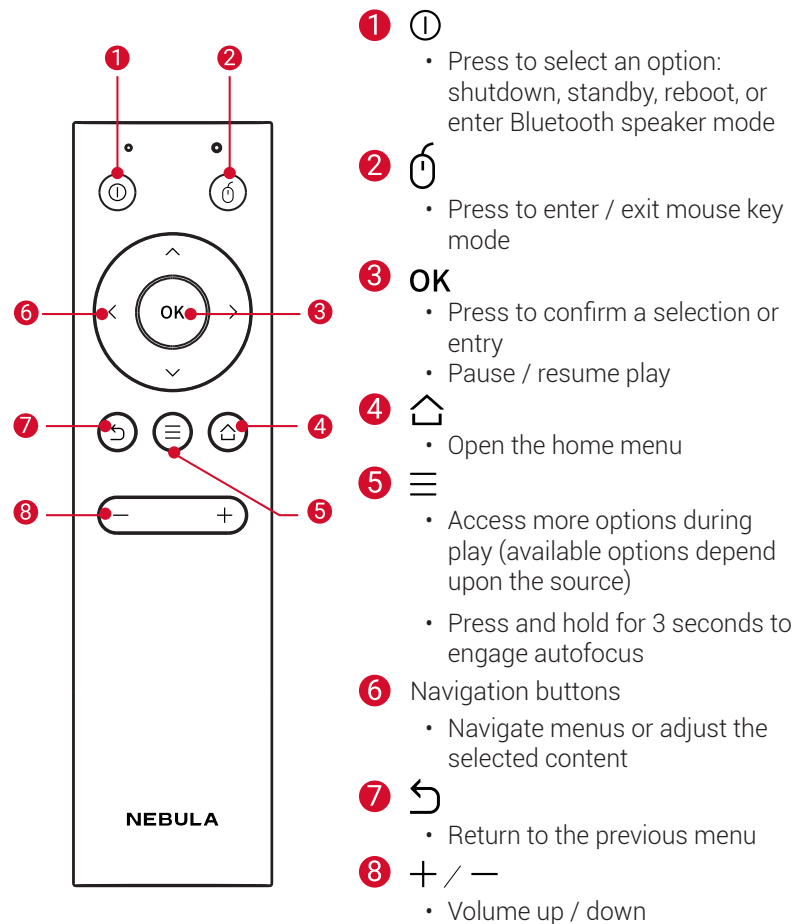
3. Top View



4. Bottom View



5. Remote Control



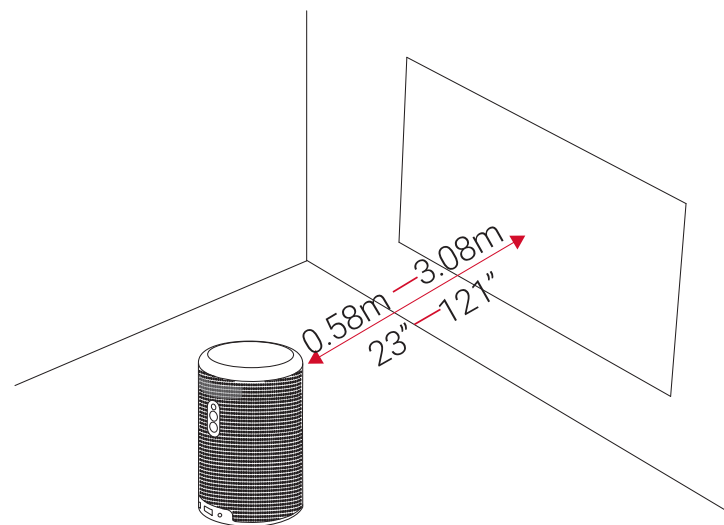
6. LED Indication

Button	LED Status	Description
ⓘ	Solid blue	Power on / Operating in projector mode
	Solid yellow	Standby in projector mode
	Solid red	Charging
	Solid green	Fully charged
	Flashing red	Low battery
↕	Flashing blue	Ready to pair / Bluetooth is pairing / Bluetooth disconnected (Bluetooth speaker mode)
	Solid blue	Bluetooth connected (Bluetooth speaker mode)

Getting Started

1. Placement

Place Nebula Capsule Max on a stable, flat surface in front of the projection surface. For the best results, the projection surface should be white and flat. The distance between Nebula Capsule Max and the projection surface must be a minimum of 0.58 meters (23 inches) and a maximum of 3.08 meters (121 inches) to get a projection image between 20 and 100 inches.



- It is unnecessary to tilt Nebula Capsule Max towards the projection surface. You can correct the projection image with the built-in keystone correction.
- The distance between Nebula Capsule Max and the projection surface determines the projection image size. For the best result, position Nebula Capsule Max between 40 and 80 inches away from the projection surface.

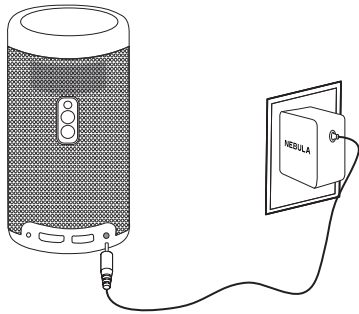
2. Prepare the Remote Control

The remote control comes with two coin batteries.

- ① For first-time use, remove the batteries insulation tab to activate the remote control batteries.
- ② To replace the batteries, slide open the battery compartment, insert new batteries (matching the polarity (+/-) indicated), and close the battery compartment.

3. Get Started

- ① For first-time use, fully charge the built-in battery using the provided adapter.



- ② Hold ① on the projector for 2 to 3 seconds to turn it on.
- ③ Turn the device towards a suitable projection surface or wall.
- ④ To focus the image, slightly move the projector to engage autofocus. Or you can press and hold ≡ for 3 seconds to manually adjust the focus.
- ⑤ For first time use, follow the on-screen instructions to complete the basic set-up.

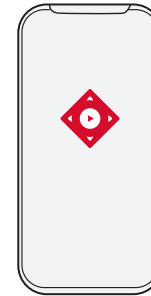


To give your Nebula Capsule Max the fastest, safest charge, only use the provided adapter.

Nebula App

To easily control Nebula Capsule Max, we recommend downloading the Nebula Connect app. With this app, you can operate your mouse using the screen.

- ① Download the **Nebula Connect** app from the App Store (iOS devices) or Google Play (Android devices).



- ② Enable Bluetooth on your smartphone.
- ③ Open the **Nebula Connect** app and select **[Nebula-XXXXXX]** as the device to be connected.
- ④ Follow the on-screen instructions to complete connection setup.

Settings

Go through the setup process when you power on Nebula Capsule Max for the first time.

1. Network


This projector can be connected to the Internet via a wireless (Wi-Fi) connection.

- ① On the home menu, select **[Network]** and press **OK**.
- ② Follow the on-screen instructions to complete the network connection.

2. Bluetooth


Bluetooth Speaker Mode

You can use this projector as a standalone Bluetooth speaker.


- ① Press  to switch to Bluetooth speaker mode.
- ② Enable Bluetooth on your smartphone and select **[Nebula-XXXXXX]** as the device to be connected.

Projector Mode

You can connect a Bluetooth speaker or pair of headphones to Nebula Capsule Max while in projector mode.


- ① Press  to access the home menu, select **[Settings]** > **[Bluetooth]** and press **OK**.
- ② Follow the on-screen instructions to complete the Bluetooth connection.

3. Projector


Press  to access the home menu, select **[Settings]** > **[Projector]**, and press **OK**.

[Image Mode]	[Auto] / [Standard Mode] / [Battery Mode]
[Color Temperature]	[Normal] / [Cool] / [Warm]
[Auto Keystone Correction]	Enable / disable auto keystone correction.
[Vertical Keystone Correction]	When the Auto Keystone Correction is Off, manually adjust the vertical keystone value.
[Horizontal Keystone Correction]	When the Auto Keystone Correction is Off, manually adjust the horizontal keystone value.
[Quadrilateral Keystone Correction]	When the Auto Keystone Correction is Off, manually adjust the quadrilateral keystone value.
[Auto Focus Correction]	Enable / disable auto focus.
	[Front Projection]: The projector is located in front of the projection surface.
	[Rear Projection]: The projector is located behind the projection surface.
	[Inverted Front Projection]: The projector is hanging from the ceiling in an upside down position. The image is rotated by 180 degrees.
	[Inverted Rear Projection]: The projector is hanging from the ceiling in an upside down position behind the projection surface. The image is rotated by 180 degrees and horizontally mirrored.
[Projector Mode]	

4. App Manager

- ① Press  to access the home menu, select **[Settings]** > **[App Manager]**, and press **OK**.
- ② Select an app and check the current version, open or force stop the app, check the storage used or clear data, or uninstall the app.



When more than 3 apps are installed, you can select **[All]** at the bottom line of the home page to access the **[Apps]** page or App Store on the home page. Select an app and press  on the remote control, and then you can select **[Move To Home]** or **[Uninstall]**.

5. Others

On the home menu, select **[Settings]** to find more setting options.

[General]

- [Language]** Select an on-screen display language.
- [Keypad Tone]** Turn on / off the keypad tone.
- [Automatic Sleep Interval]** 5 min / 15 min / 30 min
- [Background]** Select a background.
- [Clear Cache]** Clear the cached data stored on the projector.
- [Screen Mirroring]** Activate screen mirroring.

[Date & Time]

- [Automatic Date & Time]** Enable / disable automatic date and time.
- [Date]** Manually set date.
- [Time]** Manually set time.
- [Select Time Zone]** Select time zone.
- [Use 24-Hour Format]** Select 24-hour format or 12-hour format.

[Upgrade]

[Check Update]

Check if it is the latest version. Follow the on-screen instructions to upgrade the firmware version.

[About]

[Recovery]

All data on the built-in storage will be erased.

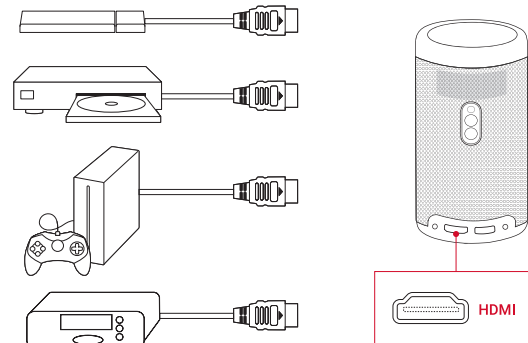
Using the Nebula Capsule Max


1. Play from HDMI Playback Devices

Nebula Capsule Max can be connected to various HDMI playback devices such as a TV box, TV stick, DVD player, set-top box (STB), gaming consoles, or other devices.

To play content from HDMI playback devices:

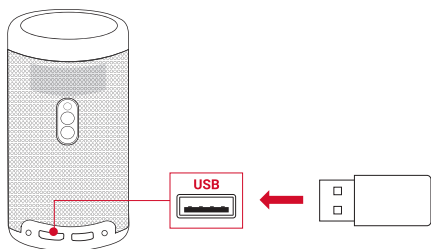
- ① Connect Nebula Capsule Max to an HDMI playback device with an HDMI cable (not provided).




- ② Press  to access the home menu, select **[HDMI]**, and press **OK**.
 - It will automatically start HDMI playback once connected to an HDMI playback device for the first time.

2. Play from a USB Storage Device

With Nebula Capsule Max, you can enjoy music, video, and pictures, or install apps that are stored on a USB 2.0 storage device.



- ① Press  to access the home menu.
- ② Select **[File Manager]** and press **OK**.
- ③ Select a file, then press **OK**.
- ④ Press **OK** to stop playback.

3. Play Through External Sound Devices

This projector can also be connected to external sound output devices, including headphones and speakers; when connected to external speakers, the built-in speaker system is disabled.

To play sound through external sound output devices:


- ① Use a 3.5mm audio cable or an adapter (not provided) to connect your headphones or external speakers.
- ② Connect the other end of the cable to the **AUX** port on this projector.
 - You will hear audio from your headphones or external speakers.



Before connecting headphones and putting them on, turn down the volume to avoid hurting your ears.

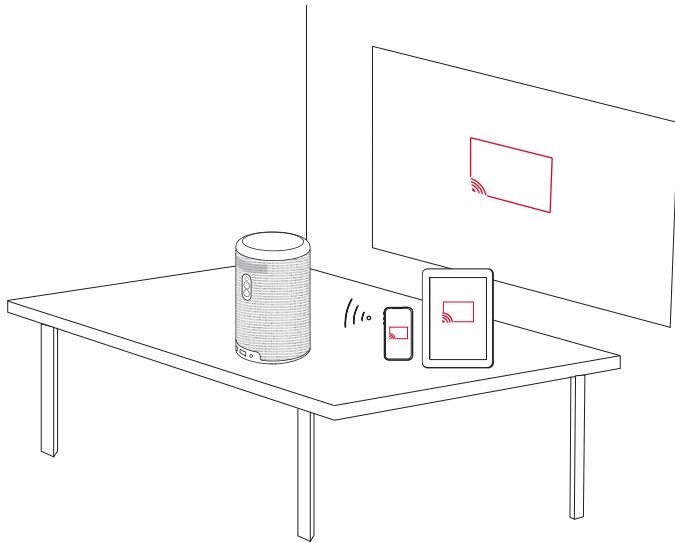
4. Install Apps

Once connected to a wireless network, you can access online services, enjoy movies, music and pictures, and browse online. Aside from the pre-installed apps, you can also install additional apps either from the Nebula App Store or via a USB flash drive.


- ① Press  to access the home menu.
- ② Select an Internet service, and press **OK**.

5. Screen Mirroring

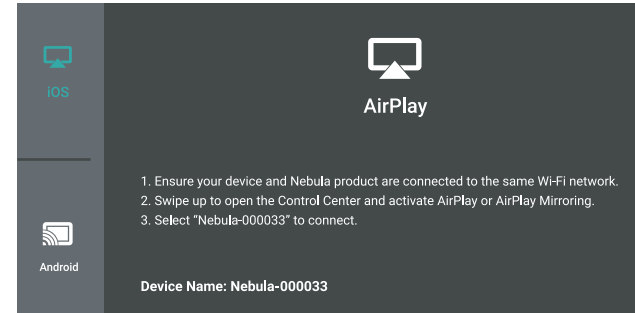
You can wirelessly cast movies, games, and music from your phone or tablet onto Nebula Capsule Max.



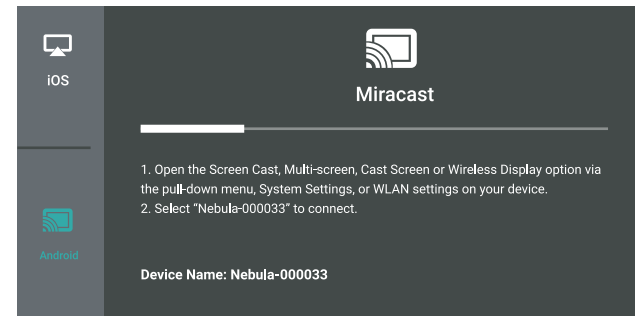
To use screen mirroring:

- ① Press  to access the home menu, select **[Settings]** > **[General]** > **[Screen Mirroring]**, and press **OK**.
- ② Follow the on-screen instructions to complete the process.
 - This projector will mirror the screen of your smartphone or tablet.

For iOS devices:



For Android devices:



Certain content cannot be cast on Nebula Capsule Max due to copyright restrictions. In this case, you can stream the content via the same app installed on your Nebula Capsule Max.

Specifications



Specifications and design are subject to change without notice.

Power supply: DC 15V $\overline{=}$ 3A
 Power consumption: < 20W
 Standby power consumption: < 0.5W
 Display technology: 0.3 in 1280 × 720p DLP
 Light source: RGB LED
 Projection image size: 20-100 in
 Resolution: 1280 × 720p
 Brightness: 200 ANSI Lumens
 Contrast ratio: 600:1
 Throw ratio: 1.3
 Throw distance: 0.58 m to 3.08 m
 CPU: Quad core A53
 OS: Android 8.1
 RAM: 2GB DDR
 ROM: 16GB eMMC
 Speaker drivers: 8W
 Wi-Fi: IEEE802.11b/g/n/ac Dual Frequency 2.4G / 5G
 Bluetooth version: 4.2
 USB file system: FAT32 / NTFS / exFAT
 Built-in battery type: Li-Polymer
 Capacity: 9,700mAh 3.7V
 Movie playtime: approximately 4 hours in battery mode (local video)
 Recommended ambient: 41°F to 95°F / 5°C to 35°C
 Relative humidity: 15% ~ 85% (non-condensing)
 Storage temperature and humidity: < 149°F / 65°C, < 90% humidity
 Dimensions (H × D): 150 × 80 mm / 5.9 × 3.1 in
 Weight: 737 g / 26.0 oz

Troubleshooting

- ① Fail to power on by the remote control?
 - Press and hold ① for 2 to 3 seconds on the projector to turn it on.
 - When powered off, you cannot use the remote control to turn it on.
- ② The remote control doesn't work?
 - Make sure you remove the plastic battery insulation tab.
 - Make sure the battery is already installed in the remote control.
 - Replace the batteries.
- ③ Blurred image?
 - Slightly move the projector to engage autofocus.
- ④ Cannot connect to a Wi-Fi network?
 - Refresh the list of available networks and retry.
 - Reboot the wireless router or the device and retry.
- ⑤ How do I update the firmware?
 - When a new version is detected you will be asked to reboot and update.

Notice

CE Declaration of Conformity

This product complies with the radio interference requirements of the European Community.

Hereby, Anker Innovations Limited. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. For the Declaration of Conformity, visit the Web site www.SeeNebula.com.

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of $d=20$ cm between the device and the human body. To maintain compliance with RF exposure requirements, use products that maintain a 20cm distance between the device and human body.

CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS

Wifi Operating Frequency Range: 2412~2472 MHz(2.4G); 5150~5250 MHz, 5725~5850 MHz (5G)

Wifi Max Output Power: 17.46 dBm(2.4G); 15.54 dBm(5G)

BT Operating Frequency Range: 2402~2480 MHz; BT Max Output Power: 7.29 dBm

5150~5250 MHz can be used indoor only.

	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

The following importer is the responsible party (contact for EU matters only)

Importer: Anker Technology (UK) Ltd

Importer Address: Suite B, Fairgate House, 205 Kings Road, Tyseley, Birmingham, B11 2AA, United Kingdom



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling helps protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.

FCC Notice

This device complies with the FCC rules, Part 15. 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.

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

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 instruction manual, 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 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed

and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

The following importer is the responsible party.

Company Name: Fantasia Trading LLC

Address: 9155 Archibald Avenue, Suite 202, Rancho Cucamonga, CA 91730, USA

Telephone: 1-909-484-1530

IC Statement

This device complies with Industry Canada licence-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."

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil n' doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IC RF Statement:

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

Lors de l'utilisation du produit, maintenez une distance de 20 cm du corps afin de vous conformer aux exigences en matière d'exposition RF.

Anker Innovations Limited

Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hong Kong

Trademarks



HDMI, and HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC in the United States and other countries.



The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Anker Innovations Limited is under license. Other trademarks and trade names are those of their respective owners.

Warranty

30-Day Money-Back Guarantee for Any Reason

You may return your undamaged product and packaging within 30 days of purchase to receive a FULL REFUND for any reason. If the reason for return isn't quality-related, the customer must pay for the return shipping.

12-Month Warranty for Quality-Related Issues

Nebula's products are warrantied to be free from material and workmanship defects for 12 months from the date of purchase. Within this period, Nebula will provide a replacement and cover any return shipping costs for products that fail in normal use.

Please note: Any provided shipping labels must be used within 20 days from the date they're issued by Nebula Support.