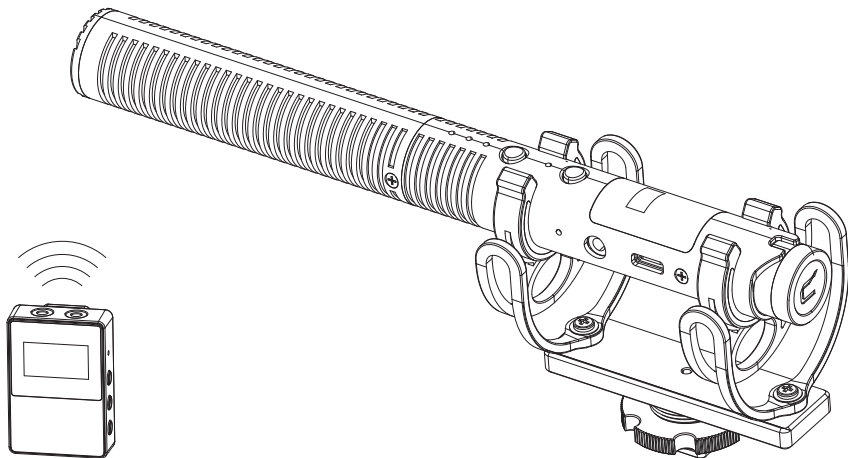


ATOMOS

PROFESSIONAL AUDIO EQUIPMENT



ATOMSSMC01

Atomos Studio Sonic Shotgun Mic

User Manual

Foreword

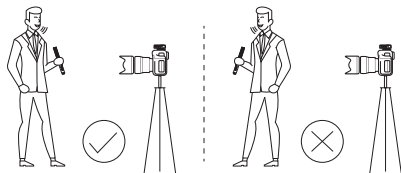
Thanks for purchasing ATOMOS ATOMSSMC01 Atomos Studio Sonic Shotgun Mic.

Main Features

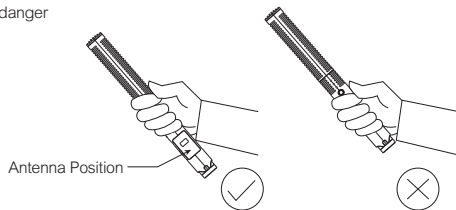
- Groundbreaking Shotgun Microphone Integrated Wireless Module
- Support Wired/Wireless Dual Modes for One-button Switch
- 48khz/24bit Super Cardioid Recording, Broadcasting-level Sound Quality
- Digital/Analog Output, Universal for Camera, Smartphone, Computer
- Intelligent Auto-sensing 3.5mm Output and Power Switch
- 75/150Hz Two Low-cut Filter Modes, High-frequency Boost
- Support Gain Control, Safety Mode, Real-time Monitor and Muting
- OLED Screen for Monitoring and Visual Operation
- Built-in Rechargeable Lithium Battery, Support Charging While Using
- Battery Life Up to 50H in Wired Mode, Up to 7H in Wireless Mode
- Low Latency<20ms, Wireless Working Range Up to 100m (Open Area)
- Full Metal Material, Super-shielding, Stable and Durable

Notice

- ⚠ When it needs to be used for a long time, it can be connected to the external power to realize charging while using. AC/DC power is not supported to avoid noise problem
- ⚠ Don't block the antenna position to avoid any poor signal generated
- ⚠ This product belongs to high-precision instruments, please avoid falling, collision or pounding
- ⚠ Do not use this equipment in the vicinity of heat sources or interference sources, such as radiator, oven, refrigerator or air conditioner
- ⚠ If the pick-up distance is close or when used outdoors, please put on the windmuff to prevent sound burst or reduce wind noise
- ⚠ Do not use the equipment in rain or in a damp environment to avoid short-circuit danger



Please keep face to face when using it, and don't turn your back to the receiver, otherwise, it is easy to generate breakpoints

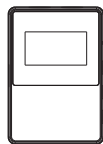


Don't block the antenna position to avoid any poor signal generated

Main Parts:

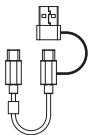


Shotgun Microphone(Transmitter)

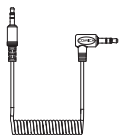


Receiver

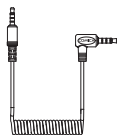
Accessories:



2 in 1
Charging&Output Cable



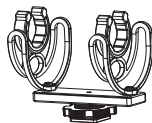
3.5mm TRS-TRS
Audio Output Cable



3.5mm TRRS-TRRS
Audio Output Cable



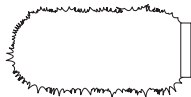
Microphone Clip



Shock Mount



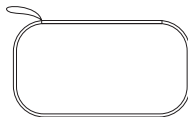
Windscreen



Windmuff



Pin



Carry Case

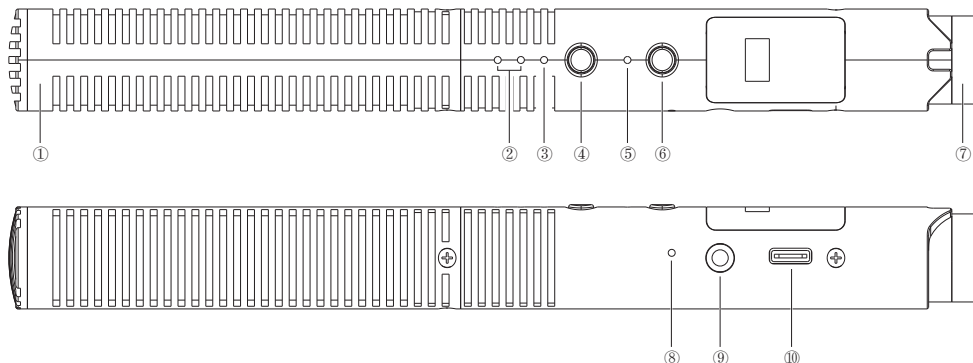


User Manual



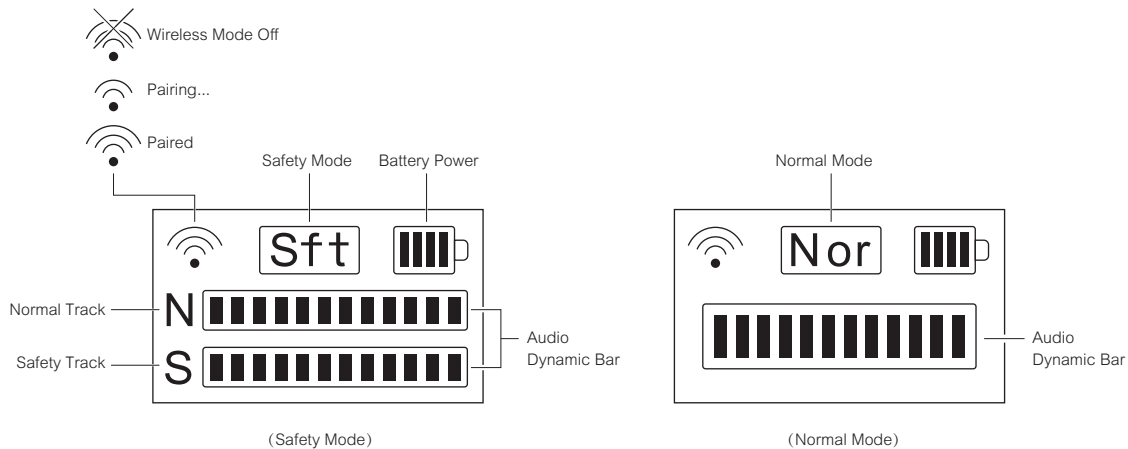
Warranty Card

Microphone (Transmitter)

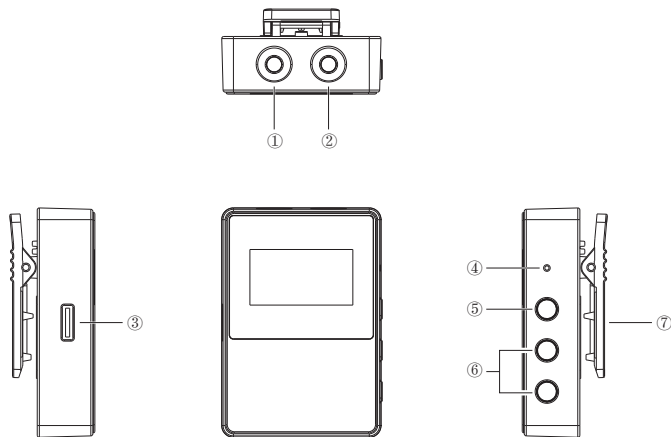


1. Mic Capsule
2. Low Cut Indicator: Corresponding indicator lights up blue when turned on
3. High-frequency Boost Indicator: Blue light on when turned on
4. Modes Switch Button: Short press to switch between 75/150Hz low-cut and high-frequency boost functions; Long press to turn on Safety Mode (Safety Mode is only available in wired mode)
5. Working Indicator: Green light on in wired mode; In wireless mode, blue light flashes when pairing, and blue light on when paired
6. RF Button: In wireless mode, long press to turn on/off microphone; in wired mode, long press to turn on/off wireless mode
7. Gain Control Knob: Rotate to adjust microphone gain
8. Pairing Hole: When the wireless connection is abnormal, use the pin to short-press the pairing hole to re-pair
9. 3.5mm Output Port: Support TRS and TRRS output
10. USB-C Charging/Output Port: Plug in the 2 in 1 charging&output cable to charge or output digital audio

Screen Display Instruction :

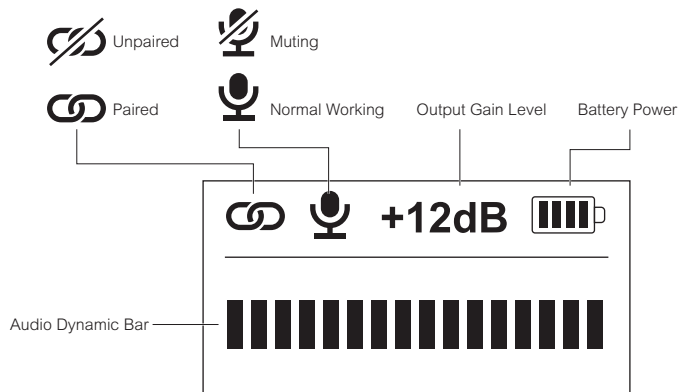


Receiver



1. 3.5mm Monitoring Port: Plug in 3.5mm TRS/TRRS headphones for monitoring
2. 3.5mm TRS Audio Output Port: Connect to camera/smartphone/computer via 3.5mm audio cable
3. USB-C Charging Port: Charging with the 2 in 1 charging&output cable
4. Reset Hole: If there is an abnormal phenomenon such as the device is crash or unable to turn on it, then insert the reset pin into the reset hole to reset it
5. Power/Mute Button: Long press to power on/off; Short press to turn on/off the mute function
6. Gain Control/Screen Flip Button: Short press to adjust the gain; Long press to flip the screen
7. Belt Clip

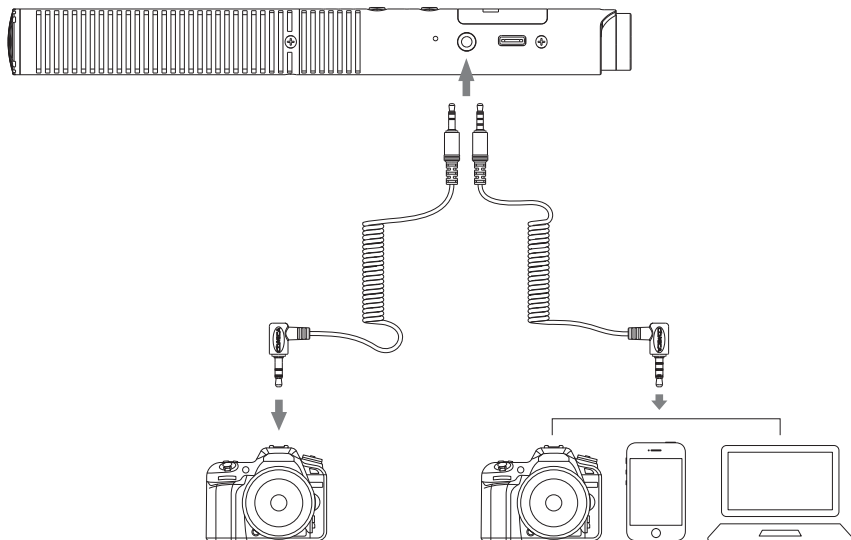
Screen Display Instruction :



Wired Mode

3.5mm Analog Output

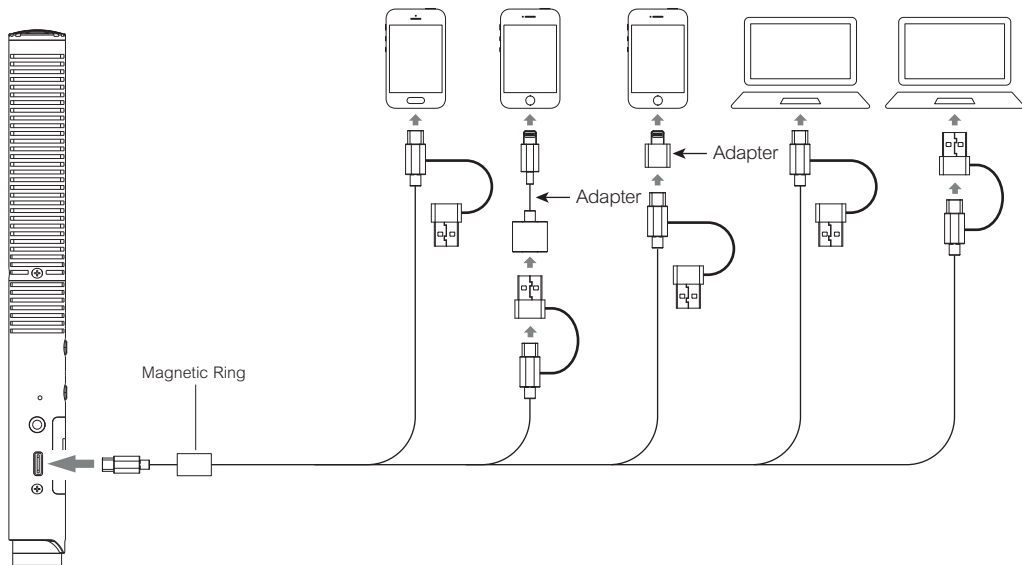
Connect the shotgun microphone to the camera/smartphone/computer through the 3.5mm audio cables



☞ TRRS-TRRS audio cable for cameras/smartphones/computers; TRS-TRS audio cable for some cameras not compatible with TRRS-TRRS audio cable; For XLR interface devices, please purchase the 3.5mm TRS-XLR audio cable yourself

USB Digital Output

Connect the shotgun microphone to the smartphone or computer through the 2 in 1 charging&output cable and related OTG audio adapter cable



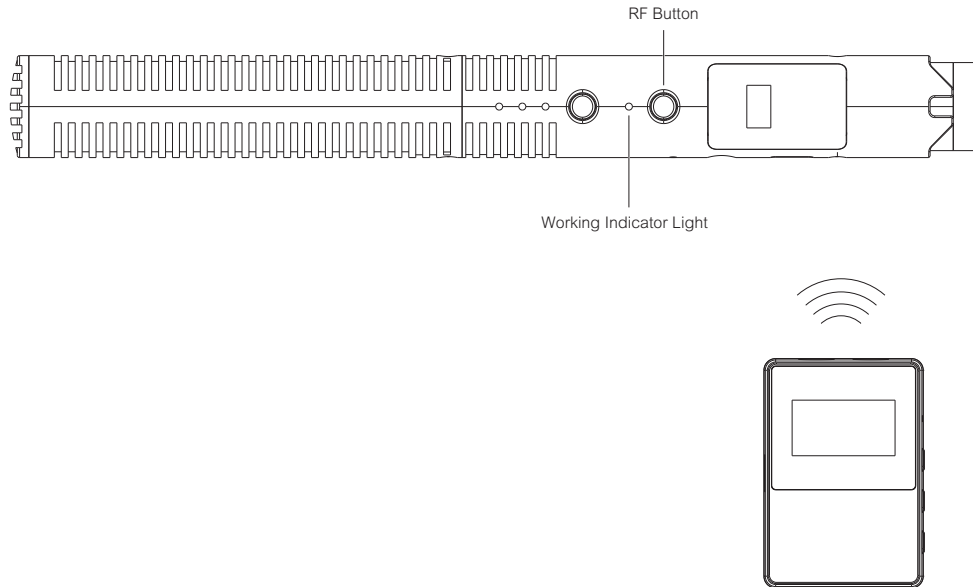
It's recommended to insert the USB end with the magnetic ring into the microphone and connect the other end to the smartphone/computer;
When using with Lightning interface devices, please purchase a USB-Lightning adapter/cable that supports the OTG function

Wireless Mode

Connection

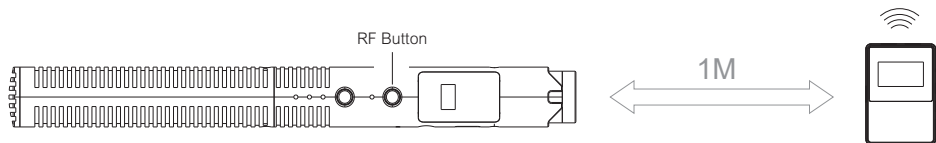
Paired (The transmitter and receiver are paired by default at the factory)

Turn on the receiver and switch the transmitter into wireless mode by long pressing its RF button, then they will automatically connect.

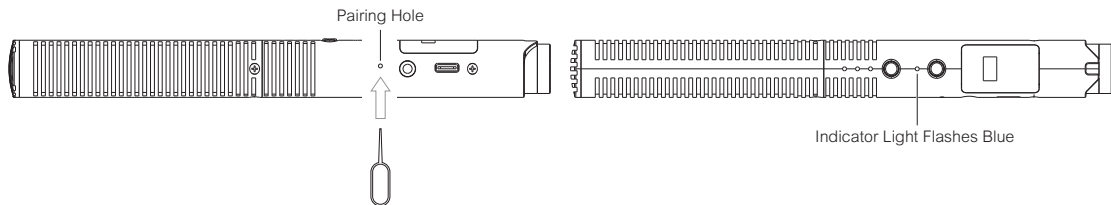


Unpaired (Re-pairing is required when the connection fails. Please follow the method below)

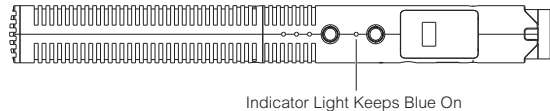
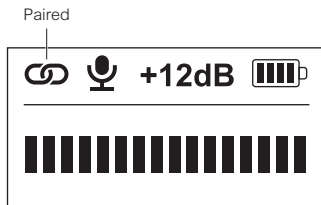
1. Keep the transmitter and receiver within 1m range, turn on the receiver and switch the transmitter into wireless mode by long-press its RF button;



2. Short-press the transmitter's pairing hole with the equipped pin, making it enter the wireless pairing state. Before pairing, the indicator light flashes blue;



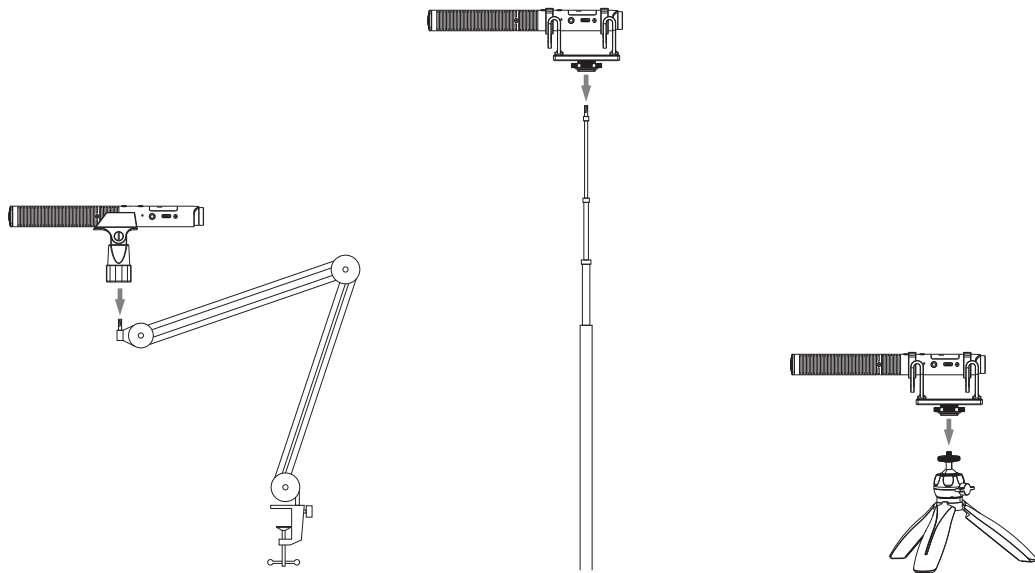
3. When pairing, the wireless icon on the screen turns into a paired icon; when paired, the indicator light keeps blue on.



Usage

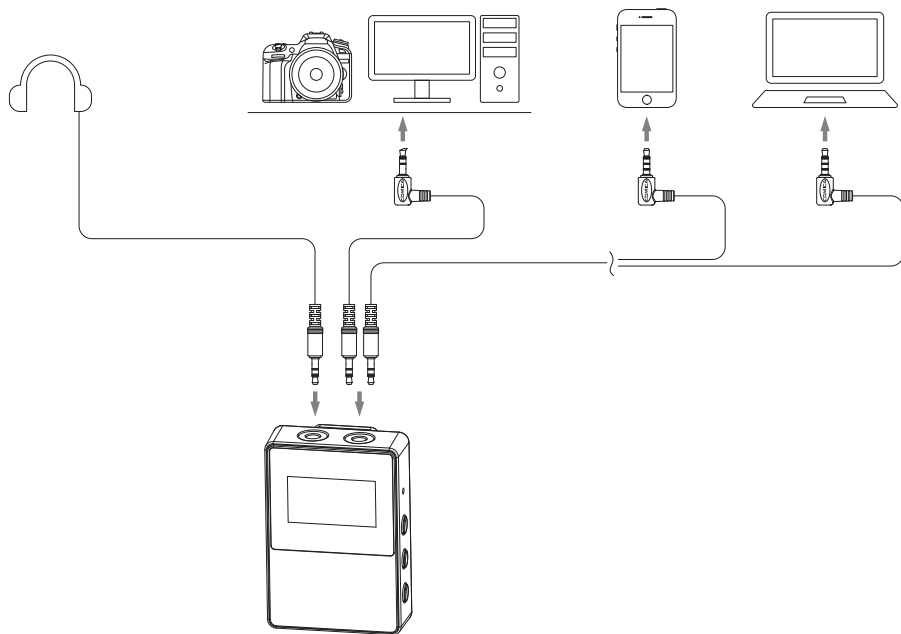
Transmitter

Use with arm stands, boom poles, and tripods



Receiver

Connect the receiver to the camera/smartphone/computer through the 3.5mm audio cable; Monitoring according to individual needs



👉 When using the microphone in wireless mode for mobile phones and laptops, please prepare a 3.5mm TRS-TRRS audio cable yourself

Specifications

Wireless Band	2400~ 2483.5MHz
Receiving Sensitivity	-86dBm
Antenna	Transmitter: Ceramic Antenna; Receiver: PCB Antenna
Sound Delay	<20ms
Polar Pattern	Super Cardioid
Frequency Response	20Hz~20kHz
Low-cut	75Hz, 150Hz
High-frequency Boost	10kHz
Output Impedance	50Ω
Sensitivity	-38dB ~ -18dB re 1V/Pa(12mv ~ 125mv @ 94dB SPL) ±2dB @ 1kHz
S/N	75dB SPL(A-weighted, as per IEC651)
Equivalent Noise	19dB SPL(A-weighted, as per IEC651)
Maximum SPL	130dB SPL(@ 1% THD)
Dynamic Range	111dB SPL(A-weighted, as per IEC651)
Analog Output	3.5mm TRRS, TRS
Digital Output	USB-C 48kHz 24bit
Battery	Transmitter: Li-polymer 3.7V 350mAh; Receiver: Li-polymer 3.7V 330mAh
Battery Life	Transmitter: Wireless Mode 7 Hours / Wired Mode 50 Hours / Receiver: 7 Hours
Dimensions	Transmitter: Φ22mm x L210mm; Receiver: 39 x 22 x 55mm
Net Weight	Transmitter: 93g; Receiver: 29g
Operating Temperature	0 C ~ 50 C
Storage Temperature	-20 C ~ 60 C

The ATOMOS LOGO is a trademark which is registered and owned by Atomos Global Pty Ltd.

FCC Statement

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.

Changes or modifications not expressly approved by the party 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 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.