Bluetooth Audio Transmitter (MS-6868H)

User's Guide

FCC Caution

1. *The 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.
2. *FCC RF Radiation Exposure Statement: The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.*
3. *This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.*
4. *Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.*

FCC Statement

This device is intended only for OEM integrators under the following
1) The antenna must be installed such that 20 cm is maintained between antenna and users, and
2) The transmitter module may not be co-located with any other transmitter or antenna.

As long as 2 conditions above are met, further transmitter test will not required. However, the OEM integrator is still responsible for testing end-product for any additional compliance requirements required with module installed (for example, digital device emissions, PC peripheral requirements, etc.).

Important Note

In the event that these conditions can not be example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid the FCC ID can not be used on the final product. In these circumstances, OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

End Product Labeling

This transmitter module is authorized only for use in device where antenna may be installed such that 20 cm may be maintained between antenna and users (for example access points, routers, wireless ADSL and similar equipment). The final end product must be labeled in a area with the following: "Contains TX FCC ID: GI4L-MS6868H".

Manual Information for End Users

The end user must not have manual instructions to remove or install device. The user manual for end users must include the following information in a prominent location: "IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located operating in conjunction with any other antenna or transmitter. as a result of e-mail transmission."

Important Safety Precautions

Always read and follow these basic safety precautions carefully when handling any piece of electronic component.
1. Keep this User Guide for future reference.
2. Keep this equipment away from humidity.
3. Lay this equipment on a reliable flat surface before setting it up.
4. The openings on the enclosure are for air convection hence protects the equipment from overheating.
5. All cautions and warnings on the equipment should be noted.
6. Never pour any liquid into the opening that could damage or cause electrical shock.
7. If any of the following situations arises, get the equipment checked by a service personnel:
   - Liquid has penetrated into the equipment
   - The equipment has been exposed to moisture
   - The equipment has not work well or you can not get it work according to User Manual
   - The equipment has dropped and damaged
   - If the equipment has obvious sign of breakage
8. DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT UNCONDITIONED, STORAGE TEMPERATURE ABOVE 60℃ OR BELOW -20℃, IT MAY DAMAGE THE EQUIPMENT.

1 **Bluetooth Audio Transmitter (MS-6868H) Introduction**

>>> 2.1 Appearance

>>> 2.2 Features

- A Bluetooth Audio Transmitter with 3.5mm audio plug.
- General Features

General	
Power Source	Li-Polymer rechargeable
Storage Temperature	0° C - 70° C
Operating Temperature	5° C - 55° C
Low Battery Indicator	Green LED will blink twice rapidly in succession for every 5 sec interval.
LED	One Bi-Color LED (Blue-Device in Bluetooth operation/Green-Stand-by stage) or Separated LEDs
Buttons	Power/Pair Button
Auto-Power Off	Device will auto-power off after 3 minutes in standby mode.

- Audio Features

Audio	
Audio Sampling ADC	44.1kHz 16bit
Impedance	16 Ohms~32 Ohms@3.5mmjack
Input Audio Line	1.2Vrms

- Bluetooth Interface

Blue	
Standard	Bluetooth Specification v1.2
Profile	A2DP, Hands-free, Headset
RF Power	Bluetooth Class 2 (0~4dBm)

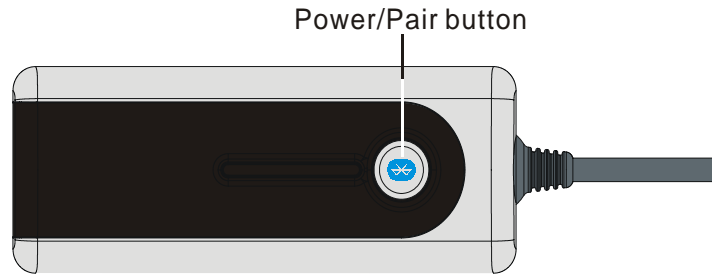| Chipset	CSR BC03MM or equivalent
Audio Codec	Sub-Band Codec (SBC)
Distance	10 Meters

Play Time

Playtime	
Audio Streaming	Up to 7 hours
Standby	Up to 100 hours

Battery Charging

MS-6868H is equipped with high quality Li-polymer battery. The battery duration could be up to 7 hours of music listening after 3.5 hours of full charging. Make sure of power sufficiency each time when you are about to use MS-6868H.

>>> 2.3 Control and Indications

▣ Function Key and LED indication

Power/Pair button

Usage	Action
Turning on the audio adapter	Press and hold the **Power/Pair** button for five seconds. LED will light up for 0.3 sec. Thereafter the audio adapter will auto-detect and connect to the paired devices.
Turning off the audio adapter	Press and hold the **Power/Pair** button for five seconds. Thereafter, all LEDs will then turn off after lighting up for 0.3 sec.
Going into pairing mode	Step 1: Press and hold the **Power/Pair** button for 3-secs irregardless of whether unit is in Stand-By mode or Pair and Connect mode. The Bicolor LED will then alternate between blue and green. Step 2: When paired successfully, the LED will convert to blue colour and will start to blink once every 5-sec. Blue LED will blink once every 10-sec when audio streaming and once every 5-sec when not. When pairing fails, LED will switch to green (Standby Mode) two minutes later and will auto power off after 3 mins. If paired device is not within range, LED will turn to green colour and will blink once every 5 sec.

When unit is in standby mode	
Blue	**Green**
• LED Off	• Blink once every 5-secs and auto power down after three mins.