BTU1　User manual

1. Model overview

BTU1 Bluetooth unit is connected by a cable to the base unit that can be connected.It is a model to be implemented in the parent machine's control audio functions and hands-free capability connected to an external device with standard Bluetooth.

1.1. Product main constituent

No.	Components	Qty
1	Bluetooth unit　　　BTU1	1
2	User manual	1

1.2. Apply standard radio

Japan：Compliance with technical standards for modules equipped with the Radio Law
USA: FCC ID: RH5BTU1347
Europe：Compliance with technical standards: Directive R & TTE

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.

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

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE).　But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

1.3. Functional Overview

No.	Function	Description Specifications
1	Bluetooth hands-free connection	BTU1 to connect Bluetooth mobile phone. BTU1 to achieve hands-free operation by the master unit
2	Bluetooth audio playback	BTU1 audio playback is performed by the master unit
3	Audio output	BTU1 converts the signal into an audio signal received by Bluetooth.The audio signal is reproduced and outputted from the master unit, which is connected by a dedicated terminal.
4	5V supply voltage	5V power supply for operation BTU1 is supplied from a dedicated terminal in the base unit.
5	Built-in microphone	BTU1 is equipped with a MEMS microphone sensitivity.It can be sent to the external device by the Bluetooth audio signal.

There is also described on the back.

2. How to use

2.1. Connection

Connect BTU1 to a dedicated connector of the base unit.
If the power of the base unit becomes turned on, LED green and amber lights for 2 seconds, and will be turned off.

2.2. IDLE state

BTU1 represents that it is a state IDLE Green LED flashes at 0.5-second intervals.

2.3. Operating state pairing

For mobile phones and audio equipment are connected by Bluetooth communication, Pairing operation is performed by the operation of the base unit. At that time, LED green and amber lights alternately at intervals of 0.2 seconds, it represents pairing operation state.
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2.4. After operation is established pairing

When it is connected to hands-free mode, it becomes a state to wait for incoming or outgoing information from the mobile phone is connected.
When connected in the audio mode, it becomes a state to wait for the audio output from the audio device is connected. LED amber will light always during audio playback. LED green will light always during hands-free.

2.5. Inbound and outbound state hands-free mode

Once an incoming or outgoing state in the mobile phone that is connected, LED flashes green at intervals of 0.1 seconds, represents the state of the incoming or outgoing.

2.6. Hands-free mode state

If become the call state by connected mobile phone, green and amber LED will be lighting always both. It represents the call state.   When the call ends, returned to the state before the call.

2.7. Disconnected communication

If the last connected device is disconnected from the connection status for the reason of leaving far away etc., it will transited IDLE state and green LED will lights at 0.5 seconds intervals. If the last connected device came within reach of radio waves again, it will return automatically to the connected state.

＊Respect to the operation of the pairing operation and hands-free mode, check the documentation explaining the operation of the base unit to be connected.