

## 33-103 Owner Manual

### 2.4GHz digital wireless headphone

#### Introduction

33-103 consists of a 2.4GHz transmitter and a wireless digital headphone. The transmitter has a stereo RCA jacks that user can connect to most portable music sources. When the transmitter is powered on, the audio input will be wirelessly transmitted to the headphones.

#### Operation

1. Connect the transmitter to any music source (e.g. MP3 player, CD player, etc) and then plug the AC/DC power adapter to power on the transmitter unit. A RED LED will light to indicate that the transmitter is powered ON.
2. Play the desired music from your audio source. Once the transmitter detects the audio input, it will start transmission and the LED turns to Green to indicate that the transmission is ON.
3. Switch on the headphones. A Blue LED will light to indicate the power is on.
4. Select the channel switch to the position that same as the transmitter unit.
5. Adjust the volume of the headphone to the desired level.

#### Note:

1. When there is no audio input for 5 minutes, the transmission will stop automatically.
2. If there is any interference present, change to other channel.

#### Low Battery indication

Once the headphone is turned ON, the Blue LED should light. When the battery level is detected below about 3V, the LED will flash then the unit needs to be charged. Charge the battery as soon as possible.

If the unit is not charged when the LED flashes, the headphone stops operation but still consume power. When the battery level below about 2.8V, the headphone will be shut down and not LED lights anymore until the battery is replaced or charged.

#### Battery charging

Plug the AC/DC adapter to power on the transmitter unit. Put the headphone on the transmitter docking. A blue LED will light to indicate the charging is on.

#### LED status

Transmitter unit action	Blue LED	Dual color LED
Power ON/ no transmission	OFF	RED LED On
Transmission start	OFF	Green LED On
Power ON/ Charging start	On	Red LED On

Headphone unit action	Blue LED
Power On	On
Low battery	Flash
Power off/battery voltage<2.8	OFF

## Specification

Operation frequency: 2.4GHz

Operation range: 150 feet

Battery life: about 10 hours

Frequency response (6dB): 20Hz – 20KHz

Audio S/N: >70dB

Audio resolution: 16 bit

Audio Sample rate: 44.1KHz

## FCC Information

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.
- Consult your local **RadioShack** store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires you to stop using the headphones.

### Caution

- **To maintain compliance with the FCC's RF exposure guidelines place the base unit at least 20 cm from the nearby persons.**

Changes or modifications not expressly approved by **RadioShack** may cause interference and 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.

RadioShack Corporation

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