



Wireless Tour guide / Translate System (Build-in lithium battery type)

WT-640 Series

User Manual

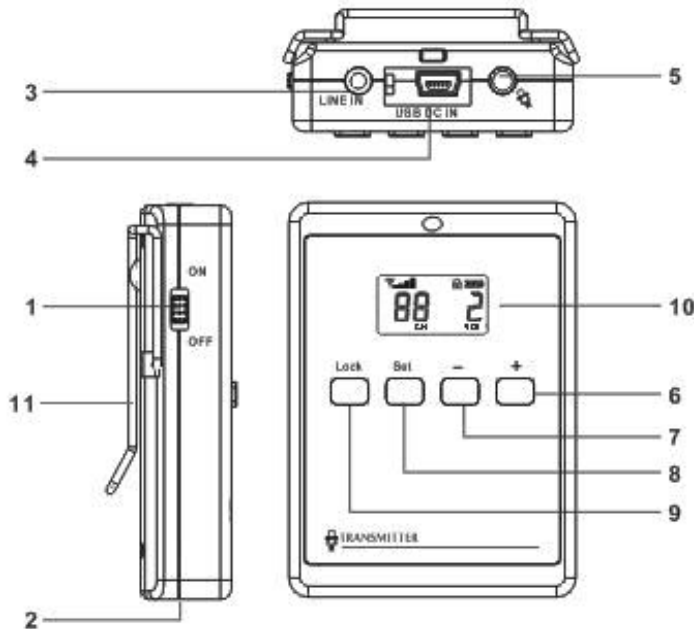


▲ WT-640T



▲ WT-640R

Device introduction



1. On/Off button
2. Contact-Charging points
3. Line in [Only in Transmitter]
4. Mini USB charging port.
5. Microphone [Only in Transmitter]
Earphone [Only in Receiver]
6. Function button [+]
7. Function button [-]
8. Set button [Set] [Only in Transmitter]
SQL button [SQL] [Only in Receiver]
9. Lock button [Lock]
10. LCD display—Display RF signal status, button lock, battery status. The number on the [CH] upper side means channels number [0~99]; The number on the [VOL] upper side means volume [T:1 或 2、R:0~15]; In Receiver, the number on [SQL] upper side means SQL levels.
11. Back clip.

Operation

1. **Switch On/Off** : Switch up is on, switch down is off. When switching on, the device is locked.
2. **Unlock/Lock**: Keep pushing Lock [Lock] for 3 seconds to unlock/lock. Device is locked when display showing a Lock picture. Note: If no operation in 10 seconds after unlocking, the device will turn to locked mode automatically.
3. **Change Channel**:
 - A. Manual adjust**—When device is unlocked, push [+] or [-] to change channels, the display will show channel number [0~99]. When the transmitter and receiver are in the same channel, they will be working.
 - B. Automatic adjust**—First turn on the transmitter's power and adjust channel well, then keep pressing the [SQL] button on the Receiver to turn on power, Receiver will scan automatically to the same channel with Transmitter which already turn on. After Receiver finished the scanning, and it needs re-lock (please pressing [Set] button three seconds, total press two times) to lock the channel (display's backlight will off), when the transmitter and receiver are in the same channel, they will be working.

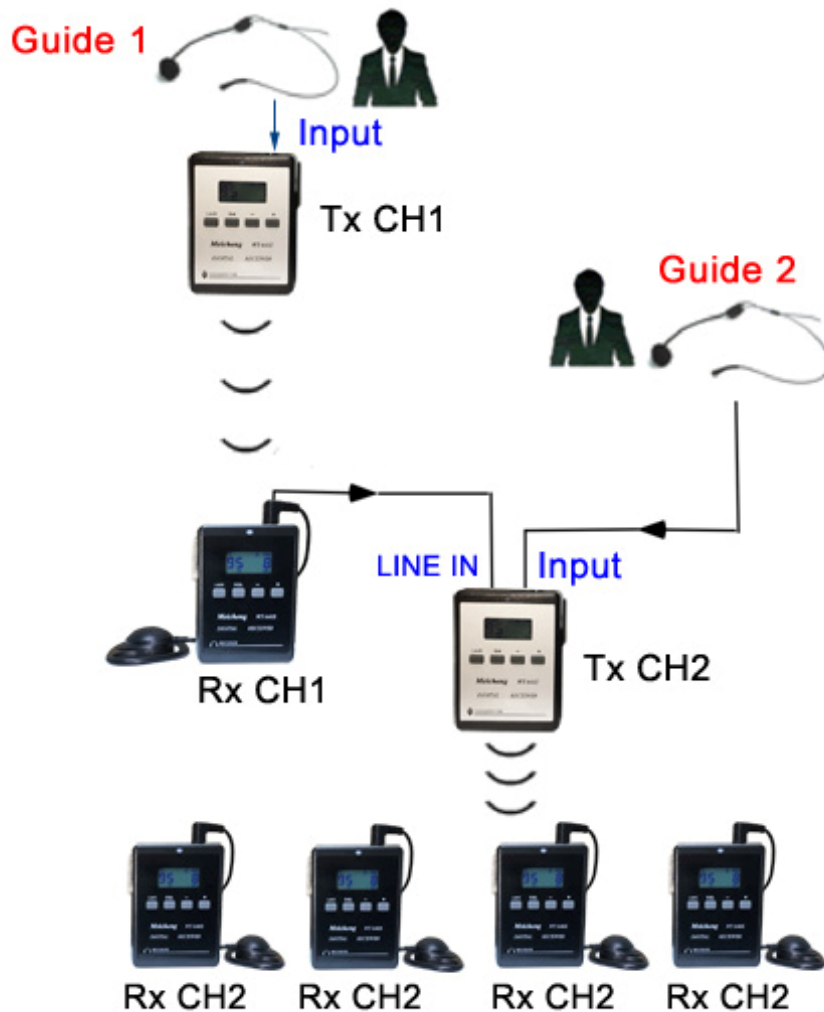
4. **Transmitter VOL:** When unlocked, push **【Set】** button to change transmitter volume. **Choose 1 for audio line input** such as mp3 player; **Choose 2 for microphone input**, 2 will transmit a larger sound.
5. **Transmitter Mute:** When transmitter is locked, you can press **【Set】** for 3 seconds to mute your microphone. The [VOL] on the LCD will flash when it mutes. Press **【Set】** again to switch back.
6. **Receiver SQL (Squelch) on/off Adjustment:**
To reduce noise at different location, you can adjust receiver squelch [0~9] off level. When the signal to receiver is too weak and noise is large, receiver will automatically stop receiving signal according to this setting. When receiver is on and unlocked, push **【SQL】** to adjust squelch function. "0" means receiver keep receiving signal at any location and the distance is maximal, "9" means even slight noise will shut off the receiver and has shortest distance. Usually "0-2" is a good level. If you hear noise from the receiver when the transmitter signal is off, please increase this SQL on the receiver.
7. **Receiver automatic power off function:**
When Receiver did not receive any signal from transmitter around 20 minutes, Receiver will automatic shut down to save the battery power.
8. **Charging:** Please use DC5V/800mA charger. When charging, the red light on the back of the display is on. When charging is finished, the red light will be off. We supply "drop in" charging station for large amount of device to be charged at the same time. The charging time is about 4 hours. **PLEASE KEEP COVER OPEN WHEN CHARGING.**

Hints for application:

If two groups are located in a very short distance, nearby channels might generate interference. In this case, in stead of using two close channels, for example, CH1 and CH2, please use channels with more difference, for example, CH1 and CH5, to eliminate the interference between groups.

Application

How to setup two transmitters (one tour guide+ one attractions narrator) or (one lecturer+ one translator) **in one group, application as below:**



Remark 1 : The Transmitter (Tx) of **Guide 1** is for tour guide or lecturer to use.
(Suggestion: Adjust volume level to "2" in this transmitter.)

Remark 2 : Take one Receiver (Rx) of **Guide 1** for tour guide or lecturer to use, and use wishbone shaped audio extender wire to connect respectively with earphone port and transmitter (Tx) of **Guide 2**. (Suggestion: Adjust volume level to "11" in this transmitter.)

Remark 3 : The Transmitter (Tx) of **Guide 2** is for attractions narrator or translator to use. (Suggestion: Adjust volume level as "1" in this transmitter.)

Remark 4 : People who use the Receiver(Rx) of **Guide 2** can hearing two voices (tour guide+ attractions narrator) or (lecturer+ translator) at same time.
(Suggestion: Adjust volume level to "11" in this transmitter.)

Specification :

| Model | WT-640T | WT-640R |
|--------------------------|---|--|
| Transmit type | Digital transmit | |
| Wave band | In 500~928MHz range selectable | |
| Default frequency number | Around 100(UHF channel) adjustable (Around 10-25 frequency could use at same location.) | |
| RF output power | 10 dBm | -- |
| Sensitivity | -115 dBm | |
| Deviation | +/-100k | |
| Distance | 150 m (Open ground/without interference) | |
| Control | Power switcher on/off, channel select, volume setting, button lock, volume mute. | Power switcher on/off, channel select, volume setting, button lock, SQL function, automatic frequency corresponding. |
| S/N ratio | >60 dB | |
| Frequency Response | 20~16,000 Hz | |
| Input/Output | 3.5mm(1/8") microphone input *1、3.5mm(1/8") audio source input*1, support audio mixed | 3.5mm(1/8") earphone/ normal audio output |
| Battery life | 17 hours (Average) | 24 hours (Average) |
| Battery type | DC 3.7V 1200mAh rechargeable build-in lithium battery | |
| Recharge | Two charging way: mini USB port or contact point charging. Support charging single devices individually or charging in the charging storage case. | |
| Dimension | 72mm x 52mm x 16mm | |
| Weight | 70 g(Including lithium battery) | 65 g (Including lithium battery) |

Statement :

* All product and brand names may be trademarks or registered trademarks of the corresponding manufacturer. TM and R may be omitted in this manual.

The picture and the picture of the product mentioned in this manual may be slightly different, the effect of the demonstration and schematic diagram for reference only (picture for the synthesis, schematics), the appearance of the product (including but not limited to color) please prevail in kind.

Meicheng Always strive to provide the best quality products to customers, so the product software and hardware will keep upgrading. The information contained in this manual is subject to change without notice.

Meicheng[®] **MEI CHENG AUDIO VIDEO CO., LTD.**

Address: 13F., No.2, Jian 8th Rd., Zhonghe Dist., New Taipei City 235, Taiwan

Tel: +886(2) 8228 0311,

Fax: +886(2) 8228 0319

Website : www.meicheng.com.tw

Email: mei.cheng@msa.hinet.net