



User Manual

Xepton Stationary Transmitter

USER'S MANUAL



Manufacturer : Maytel Co., Ltd
Made in Korea

1. General Information

1.1 Introduction

The " Xepton Stationary Transmitter " is designed by using the most advanced Multiplex communication technology.

It serves user-friendly features and extremely convenient to operate including a crystal clear sound quality and also long distance communication coverage.

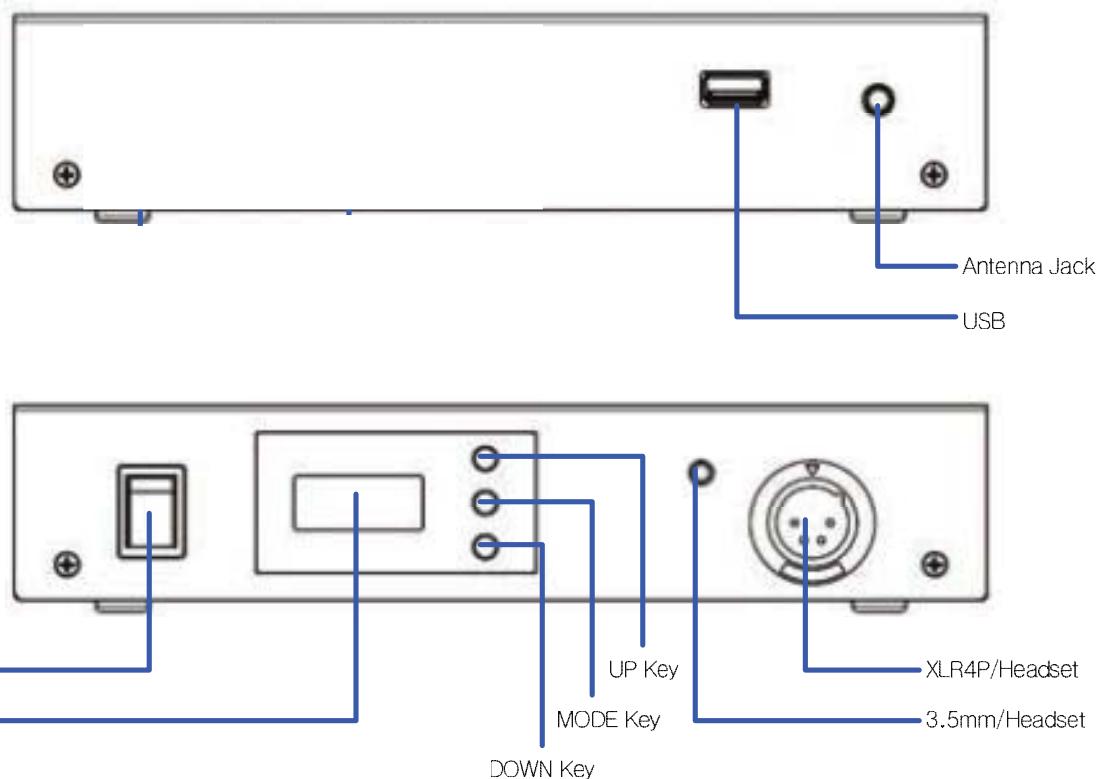
It gives the operation as a central broad cast station to the unlimited number of listeners who carry the MTT-R Receiver devices with them and also provides a communication in full duplex with up to two other users who carry the MTT-T Multicom devices.

It is recommendable you read the user's manual thoroughly to enjoy its maximized performance and features this station has to offer.

1.2 Main Features

- * Audio publishing to the unlimited number of people who carry the MTT-R Receiver
- * Multiplex communication with up to two other users who carry the MTT-T Multicom devices
- * Long distance communication coverage over 400m typically
- * Crystal clear sound quality
- * 39 different Group selection
- * Audio output HI/Low selection
- * Audio volume control with 9 steps
- * Side tone On/Off selection
- * Direct microphone sensitivity control with 5 steps
- * Convenient dual external power supply source either USB plug for the purpose of its portable using by connection Mobile phone Power bank into it or DC 5.0V adapter via AC input

2. Controls and Indicators



Power S.W	Upward : Power Turn ON / Downward : Power Turn OFF
Mode Button	Selection of Group Number, Device ID, Side Tone On/Off, Mute Mode, Microphone Sensitivity level and Audio Output Loud
Up Button	Control to be Up the level in the selected mode
Down Button	Control to be Down the level in the selected mode
EAR/MIC	3.5mm External Headset Boom Microphone Jack(EHR-01)
XLR-4PINs	XLR Headset Jack
Antenna Jack	Long diversity Antenna Jack
USB	USB Jack, compatible with Power Bank for mobile phones

Notice

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures.

3. How to use

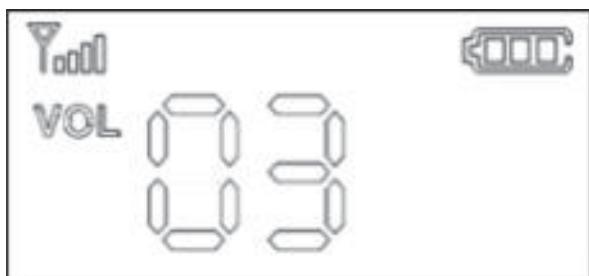
3.1 Power On/Off

Press the "Power S.W" switch to the upward to turn the stationary power on. The LCD display is on and shows the default volume level with "VOL 03". If you pressed the "Power S.W" to the downward, the stationary power is turned off.

3.2 Volume Up / Down

It gives you to adjust the hearing volume level with 9 steps as per you prefer. Press "▲" button to control volume up and "▼" button for volume down after turn the device power on.

It is available to adjust the volume level 0~9 from low to high.



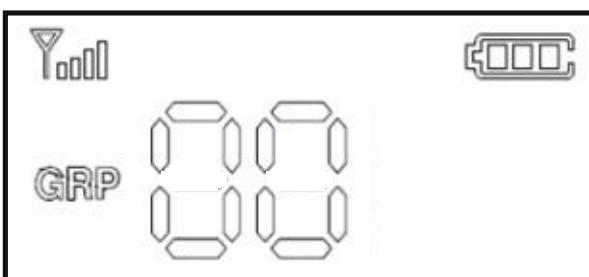
Note; The default volume level is 3 and the volume level returns to 3 all the times whenever you power switch turned off and on.

3.3 Group selection

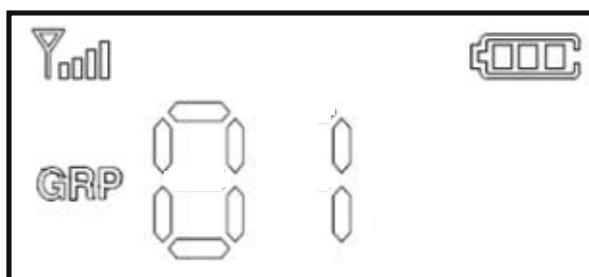
Press and hold the "Mode" button longer than 3 seconds after turn the device power on. The "GRP" symbol on the LCD is blinking.

Select the Group number 0~39 as you desire by press "▲" or "▼" button and then release all the buttons longer than 5 seconds to fix it.

Every radio needs to have a same Group number to communicate each other in a group.



Show the selected Group Number "00"



Show the selected Group Number "01"

3.4 ID selection

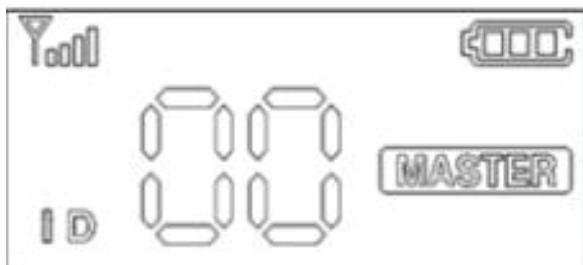
In a group, every Stationary needs to have each different ID per Stationary from "00" to "99". The ID "00" becomes a master device in a group and every group needs to have a master device with ID "00" per group without alternative. The "MASTER" is displaying on the LCD as soon as the ID "00" is set.

Press and hold the "Mode" button longer than 3 seconds after turn the device power on. The "GRP" symbol on the LCD is blinking.

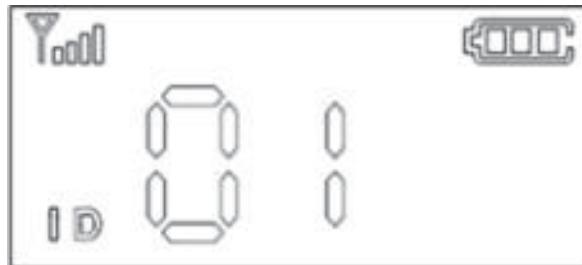
And press the "Mode" button one more time instantly.

The "ID" symbol on the LCD is blinking.

Select each different ID number per Stationary from "00" to "99" in a group by press "▲" or "▼" button and then release all the buttons longer than 5 seconds to fix it.



Display for the Master



Display example for the Slave

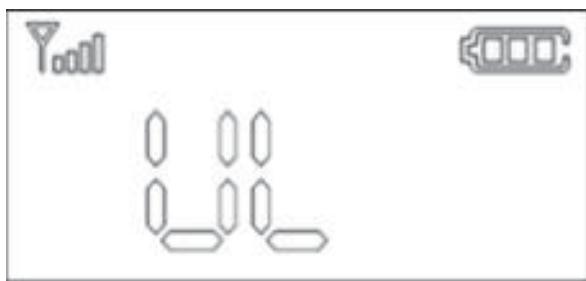
If you have any other Multicom who want to communicate with Stationary in full duplex, you need to set the group number as the same group number as the Stationary has and also set the different ID number than the Stationary set.

For the listener who has the MTT-R, it is only required to set the same group number as the Stationary has regardless its ID.

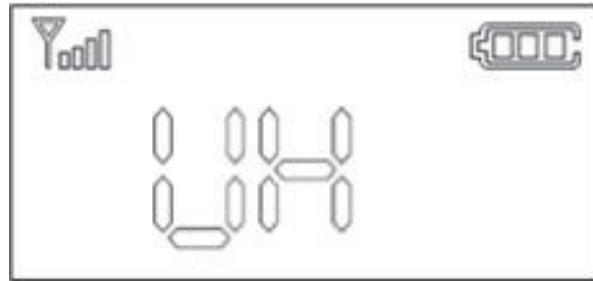
3.5 Audio Output mode High / Low

It serves you to choose higher audio output or lower beside of Volume Up / Down. The higher audio output is effective when you listen to the device at the heavy noise place. Press and hold the "Mode" button longer than 3 seconds after turn the device power on.

The "GRP" is blinking on the LCD. Press the "Mode" button 6 times instantly. Select either "UH" for higher audio output or "UL" for lower audio output by press "▲" or "▼" button and then release all the buttons longer than 5 seconds to fix it.



Normal Audio Output mode



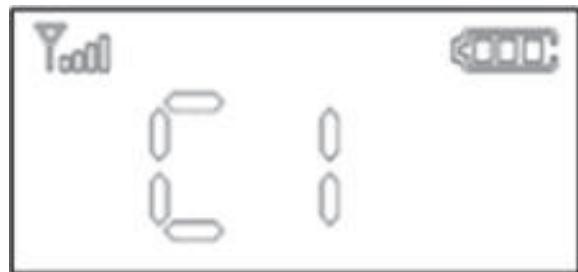
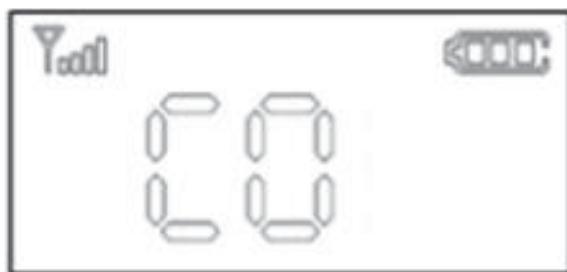
Loud Audio Output mode

Note;

- 1) Its default setting is "UL".
- 2) There might be a kind of white noise creation when you set the audio output at "UH". Hence, it is recommendable to set the audio output at "UL" except using the device at the heavy noise surround place.

It is available to select the microphone sensitivity up to 5 steps according to the environment you have. Press and hold the "Mode" button longer than 3 seconds after turn the device power on.

The "GRP" is blinking on the LCD. Press the "Mode" button 5 times instantly. Select the microphone sensitivity level 1 ~ 5 as per you desire by press "▲" or "▼" button and then release all the buttons longer than 5 seconds to fix it.



Note;

- 1) The "C 1" is the lowest microphone sensitivity level and "C 5" is the highest.
- 2) Its default setting is "C 1".

3.7 Portable using

It is available to use the Stationary as a portable device rather than the fixed station. Please connect the Power bank for Mobile phone into the USB port of Stationary.

After that, place the stationary wherever you prefer

4. Specifications

ITEM	SPECIFICATION
<i>Radio Frequency Type</i>	ISM 2405MHz ~ 2477MHz
<i>Type</i>	Wireless Microphone/Receiver Unit
<i>Radio Interface</i>	ISM 2.4GHz: FSK Modulation with Frequency Hopping
<i>Voice Codec</i>	16bit/8KHz
<i>Tx Max Output Power</i>	10dBm
<i>Rx Sensitivity</i>	-95dBm
<i>Voice Latency</i>	< 35ms
<i>Num. of Frequency Channel</i>	145ch
<i>Channel Spacing</i>	0.5MHz
<i>Data Rate</i>	2Mbps
<i>Freq. Bandwidth</i>	2MHz
<i>Power Supply</i>	5V, 3A adaptor
<i>Antenna</i>	External Dipole Antenna
<i>Power Consumption</i>	Avg. 180mA
<i>Distance Range(LOS)</i>	200M
<i>Frequency response</i>	50 Hz ~ 4 kHz
<i>Maximum operation users</i>	3person (include Master device)

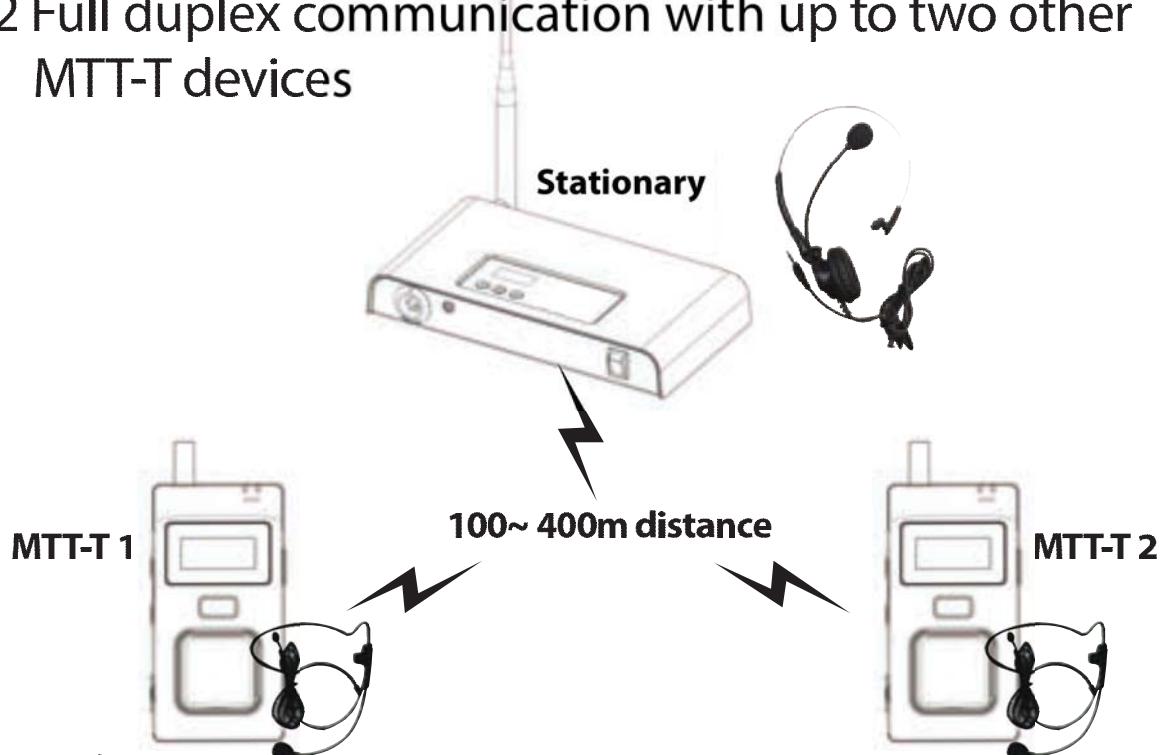
5. How to install

5.1 General Publishing



Notice) It is required to tune the same group number only between Stationary and MTT-R Listening device regardless its ID number.

5.2 Full duplex communication with up to two other MTT-T devices

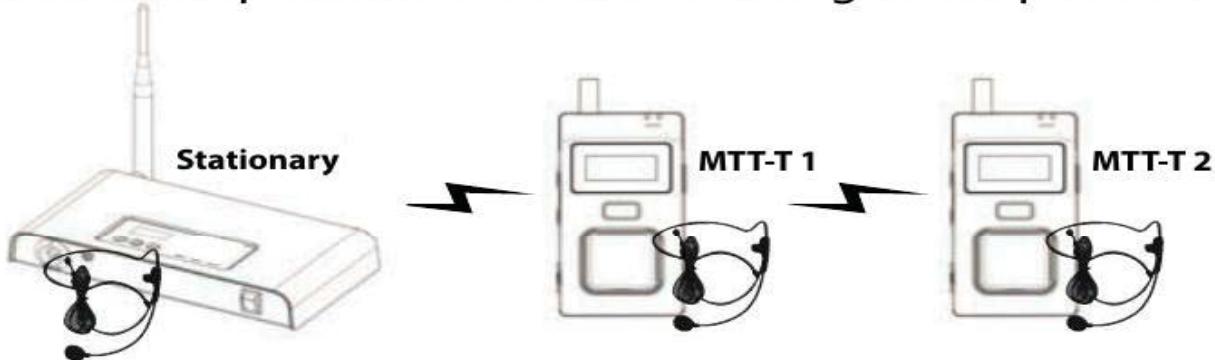


Notice)

It is required to tune the same group number between Stationary and two other MTT-T devices.

Also, the two other MTT-T devices should have each different ID per device except the ID "00" of Stationary owned.

5.3 Full duplex communication and general publishing



Full Duplex communications between Stationary, MTT-T1 and MTT-T2



Unlimited number of Listeners with MTT-R

Compliance 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.

CAUTION

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

A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.