

Thanks for purchasing our 72MHz assistive listening system. It helps millions of people hear focused audio in places where sound matters most, especially in school and churches where concentrations are needed. The 72MHz mini wireless audio system allows multi-transmitters and multi-receivers to be used in the same field. Simply plug the microphone or other audio sources into the MIC jack on the transmitters. The person holding the receiver can choose the channel that they want to hear and it can amplify the sound loud enough. They are very small, light-weighted and user-friendly. All of our products are designed to provide many years of reliable service.

We are committed to provide the best assistive listening system to the users who have hearing problem.

This manual contains basic product information to ensure trouble free operation so please take time to read through this manual thoroughly before using your new assistive listening system.

Every Word.....Every Sound.....Heard, Understood

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 Compliance Statement

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:

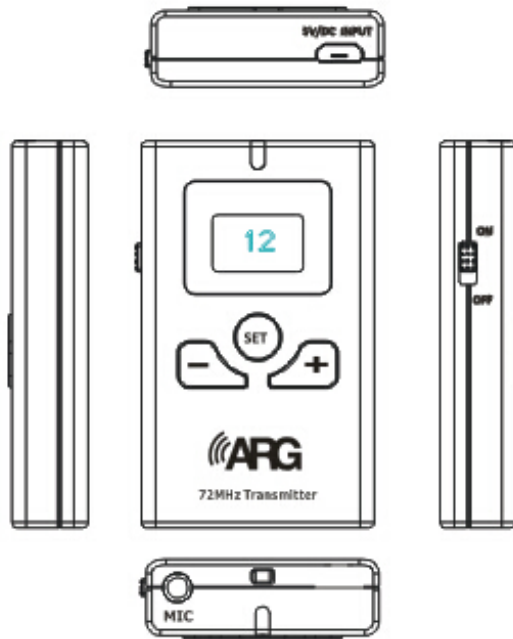
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body

## Operations

### ARG-TX72M Transmitter Diagram



### Transmitter Programming Instructions

#### POWER UP

Switch the transmitter to ON position. The display will show the volume level for a second then change to the Channel Number. The backlit turns off automatically after ten seconds.

#### MUTE

Press and hold the SET button for one second to mute the transmitter. Do it again to unmute. When it is muted, there is a muted icon on the display and the channel number flashes. When it is unmuted, the icon disappears and the channel number becomes still.

#### VOLUME/CHANNEL SETUP

In normal mode, press the “-” button to see the current volume level and press the “+” button to see the current channel number.

Press and hold the “SET” button and turn the transmitter to ON position. The lock icon disappears from the display. Press the “SET” button to adjust the volume level (01-02), and press the “-” or “+” buttons to scroll through the channels. The display does auto-lock ten seconds after operations.

## **Troubleshooting**

- 1) When there is STATIC INTERFERENCE or NO SOUND, please go through the following procedures to eliminate the problems.
  - a. Make sure that the transmitter and receiver are set on the same channel.
  - b. Check the Mute setting on the transmitter.
  - c. Check whether two transmitters are set at the same channel. Avoid two transmitters to be on the same channel.
  - d. Sound level on the line input source may be too high.
- 2) When a NOISY SOUND occurs, please go through the following procedures to eliminate the problems.
  - a. Make sure that the transmitter and receiver are within the distance range.
  - b. Make sure that the sound level on the transmitter and audio sources are set at a reasonable level.
  - c. Try changing the transmitter to a different frequency to see if the sound quality improves.

In case the problem persists, please consult your dealer or ARG.

## **Repairs**

In the event that there is need for a repair, please contact your dealer or ARG for a Return Authorization.

## **Technical Specifications**

Frequency Range: 72.1-72.9MHz, 74.7MHz, 75.3 – 75.9MHz

Modulation: Wide-band FM, 75 kHz pk

Frequency Response: 200Hz to 13KHz,  $\pm 3$  dB at 1% max. THD

SNR: 70dB (typical) transmitted

### 72MHz Mini Transmitter

Audio Input: 3.5mm mono Mic /Line

Power consumption: 3.7V40mAH

Operation hours: 15 hours

Charging time: 3 hours, smart charging

Weight: 35g

## FREQUENCY CHART

| CH | FREQ    |
|----|---------|
| 1  | 72.1MHz |
| 2  | 72.5MHz |
| 3  | 72.9MHz |
| 4  | 75.7MHz |
| 5  | 74.7MHz |
| 6  | 75.3MHz |
| 7  | 75.9MHz |
| 8  | 72.2MHz |
| 9  | 72.3MHz |
| 10 | 72.4MHz |
| 11 | 72.6MHz |
| 12 | 72.7MHz |
| 13 | 72.8MHz |
| 14 | 75.4MHz |
| 15 | 75.5MHz |
| 16 | 75.6MHz |
| 17 | 75.8MHz |