



AUDIO RESOURCE GROUP LARGE AREA TLK-TX72LA WIRELESS TRANSMITTER

Important Safety Instructions

Read all instructions in this guide before installing and using the equipment.

Use the supplied 9Volt DC power supply with the equipment. Plug the power supply into an appropriate, grounded power outlet.

Route power cables so that they are not walked on or pinched by items placed upon or against them.

Ensure that the equipment has adequate ventilation. Do not place anything on top of or over the equipment. Do not use on a cushioned surface that could block the ventilation openings.

Keep the equipment away from water and moisture. Avoid dropping anything on the equipment.

Locate the equipment away from sources of heat, such as radiators, heat registers, and stoves. Avoid temperature extremes.

Do not attempt to service the unit yourself except to follow the instructions found in this guide. Contact your dealer or ARG directly for any technical problems.

Installation Requirements

. To ensure the best range and audio quality, select a location without any major internal obstructions, such as metal support posts, between the transmitter's antenna and receivers installed on the exercise equipment. The antenna and receivers should also be installed within the range and in direct line of sight.

. We recommend to install the transmitter in a rack with other audio components to minimize cabling. Make sure the equipment has adequate ventilation to avoid overheating.

FCC Compliance Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

a. this device may not cause harmful interference; b. this device must accept any interference received, including interference that may cause undesired operation.

The Talk&Listen TLK-TX72LA transmitter has been tested and found to comply with the limits pursuant to Part 15 C of CFR47, FCC Rules. These limits are designed to provide reasonable protection against harmful interference when operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the manual instructions, may cause harmful interference to radio communications.

Introduction

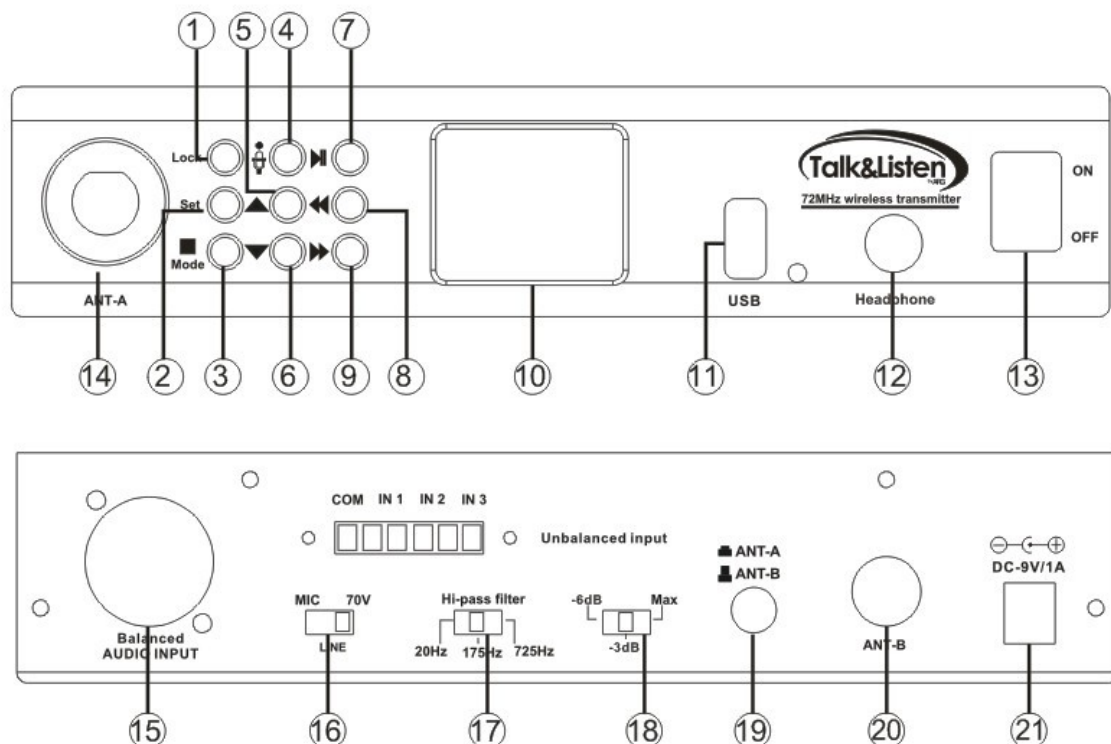
Thanks for purchasing the Talk&Listen TLK-TX72LA wireless transmitter. This system is very reliable and easy to use. It is supported by a professional technical team who will ensure that, in the unlikely event that you strike any problems, you will be satisfied. There is an AUDIO INPUT and Unbalanced Input on this transmitter. User can switch among the MIC input, Bal. Line-in and Unbal. 70V input according to the connected input source. Adjust the frequency response (20-20KHz, 175-20KHz and 725-20KHz) using the Hi-pass filter. Transmitter output is adjustable among -6dB, -3dB, Max.

This equipment is easy to operate, allowing the user to record the file into the MP3 USB. The recording sampling rate is selective which meets the pro audio market demands. Large TFT display is attractive and buttons are user-friendly.

Technical Specifications

72MHz Wireless Transmitter	
Frequency	72.1MHz – 75.9MHz
Output Power	-16dBm / -6dBm / -3dBm
Frequency space	100kHz
Channel	TBD
Audio Sampling	Analog
Current Draw	DC9V 140mAh (TX) / 350mAh (whole)
Audio Frequency Response	50Hz – 15KHz
Concurrent Systems	8
Transmission Method	FM
Audio Input / Output	Bal. Line Input / Mic. Input / 70V Unbal. Input, Headphone Output
Charge Power	9V power adapter

Configurations



1. Lock Button
2. Set Button
3. Mode Button (used to change the recording sampling rate)
4. “🎤” Recording Button (used to activate the recording)
5. “⬆” Volume UP Button
6. “⬇” Volume DOWN Button
7. “▶⏸” Play / Stop Button (used to play or stop the file the MP3 USB is playing)
8. “◀◀” Back Button (used to review the last file in the MP3 USB)
9. “▶▶” Next Button (used to play the next file in the MP3 USB)
10. TFT Display
11. USB port (used to insert the MP3 USBs)
12. Headphone Output (used for monitoring audio quality, providing a processed signal for recording, or for other uses.)
13. ON/OFF Switch
14. Coaxial ANT-A Connector (front antenna)
15. Audio Input, 3-PIN Female XLR ¼” jack (accepts Bal. Line input, Mic. Input)

16. Audio Select Switch (used to choose the audio input source, i.e, Mic.input, Line input or 70V input)
17. HI-Pass Filter (used to adjust the frequency response, i.e, 20Hz-20KHz, 175-20KHz and 725-20KHz)
18. Transmitter Output Selection Switch (used to adjust the Output Power, i.e, -3dB, -6dB, Max.)
19. Antenna selection switch (used to choose the front or rear antenna)
20. Coaxial ANT-B Connector (rear antenna)
21. DC/9V Power Input Jack

Programming Procedures

Channel setting

Unlock by pressing the “Lock” button for two seconds till the key icon disappears on the display. Use the “▲” and “▼” buttons to change the channels. The frequency spacing is 100k.

Time setting (Format: HH/MM/SS MM/DD/YY)

Unlock the unit, press “Set” once, the cursor will stay on the Hour, use the “▲” and “▼” buttons to change the Hour; Press “Set” again, the cursor will move to Minute automatically, use the “▲” and “▼” buttons to change the Hour; and so on. Till you finish the setting of the Year, the unit will save the setting automatically.

Transmitter volume setting (00-79)

Use the “▲” and “▼” buttons to adjust the transmitter volume level under lock status. (Note: If a USB driver is inserted, press “Mode” before you can adjust it.)

MP3 Volume setting (00 – 79)

Use the “▲” and “▼” buttons to adjust the MP3 volume level while playing a MP3.

Recorder Volume setting (00 - 79)

Use the “▲” and “▼” buttons to adjust the recorder volume while recording.

Activate MP3 USB

Insert a USB driver, till you see “USB Store OK” on the display which means that the unit has successfully read the data in the USB. The display will show the total readable files on the USB. Press “▶” to start playing a song or stop a song, use “◀▶” and “▶▶” to select the file you want to play.

Activate the recording function

Insert a USB driver, till you see “USB Store OK” on the display which means that the unit has successfully read the data in the USB. Press the “Mode” button, and then press the “📡” button, then the unit starts recording, after a recording is done, press “Mode” button again to stop the recording. The file name will be saved as REC_001, REC_002, REC_003 and so on. The maximum load of every file is 256MB and the format is MP3. Before recording, unlock the unit, use the “Mode” button to select the

recording modulation (The available selections are 24KHz 48KBPS, 16KHz 16KBPS, 44KHz 320KBPS, 44KHz 128KBPS, 44KHz 96KBPS, 44KHz 48KBPS and 44KHz 44KBPS). User can recognize the recording time from the file properties.

The antenna selection switch

It has two depths. When you push it once, it goes deeper, and the system will use the front antenna. When you push it again, it is shallower, then the system chooses the rear antenna.

Trouble Shooting Guide

Transmitter Troubles

Make sure the power outlet is working and the 9V power adapter is connected correctly into a grounded outlet

No Audio Heard in Headphone OUTPUT

- a. Check to see if there is a signal coming from the audio source. Correct it if necessary.
- b. Check to see if there is an incorrect or defective connection from the audio source.

Noise in Audio

- a. Check to see if there is noise in source audio. Disconnect the audio cable to find it out. If the noise disappears, the noise problem is from the source. Correct or repair the audio source.
- b. Check to see if the source level is too low. Adjust the source audio level or reset audio select switch to match the existing source level.
- c. Make sure there are no major internal obstructions, such as metal support posts, between antenna and receiver.

Distorted Audio

- a. Check to see if the source audio is distorted source. Correct or repair the audio source if necessary.
- b. Reset the Audio Select Switch to match the source.
- c. Reset the HI-Pass Filter to adjust the frequency response.

Reception Troubles

No Reception

- a. Make sure the transmitter channel matches the receiver channel. Reset the frequency following the channel setting in programming procedures.
- b. Check to see if the antenna is disconnected. Make sure the antenna switch selection matches the antenna installed.
- c. Reset the transmitter output to see if there is a change.
- d. Turn the volume controls up.

Insufficient Range, Poor Reception

- a. Check to see if the transmitter antenna is installed incorrectly. Correct or replace the antenna
- b. Make sure the antenna is not near other transmitting antennas or metal objects. Be sure to route cabling and power cords away from the antenna, so they don't cause interference.
- c. Check to see if any outside sources are using the same frequency as the transmitter. Either locate and remove the outside interference, or set the transmitter to a different channel to avoid that frequency.
- d. Try changing the transmitter to a different frequency to see if the sound quality improves. Some will be received better than others.

Defective Audio

- e. Check to see if there is defective audio at the transmitter. If so, check to see if there is defection audio source.
- f. Check to see if there is a strong interfering signal by listening to the receiver with the transmitter off.

In case the problems exist, the unit needs to be serviced. Do not try to service the unit yourself. Please contact your dealer or ARG directly. In the event there is a need for repair, kindly contact us for a Return Authorization Number.

Audio Resource Group, Inc.

375 Langdon Ave, Hannaford, North Dakota 58448

Toll Free Phone: 1 (888) 468-4552

©2010 Audio Resource Group, Inc. All rights reserved.

FCC ID: XU4TLK-TX72LA

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.

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

NOTE: 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.