

DEAR ARG CUSTOMER,

Congratulations and thank you for purchasing ARG's 900MHz stationary transmitter. This device is easy to mount, convenient to operate with clear display and provides high-fidelity audio enjoyment. All of ARG's high quality products are designed to provide many years of reliable service; they are uncomplicated to use so anyone can operate them with ease and confidence. I am certain that after using your newly purchased product you will join ARG's long list of satisfied customers.

This manual contains basic product information to ensure trouble free operation, so please take time to read through this manual thoroughly before using. If for any reason you have additional questions you can call our headquarters toll-free at (888)-468-4552 and talk to one of our professional sales team members who will be happy to help you Monday through Friday between the hours of 8:00AM and 5:00PM Central Standard Time; you can also email ARG at [info@argaudio.com](mailto:info@argaudio.com) or visit our website at [www.argaudio.com](http://www.argaudio.com) for additional resources and product options.

Everyone at ARG is firmly committed to our motto, which isn't just a tagline, it's our assurance that ARG's high quality products will meet your expectations for many years to come.

Every word...every sound...HEARD, UNDERSTOOD.

Again, on behalf of everyone at ARG, Thank you!

Rick Allerdings, President

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.

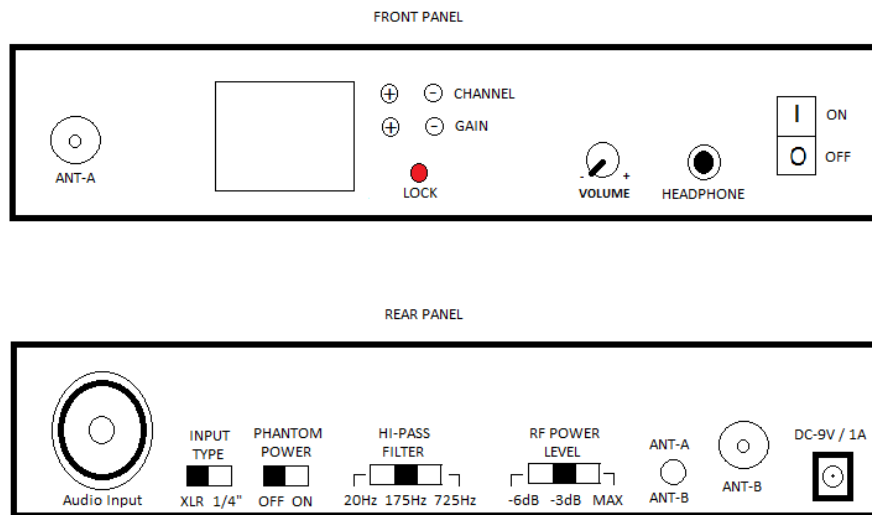
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 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.

## 900MHz Stationary Transmitter

It allows the user to transmit the audio wirelessly in a certain range. Connect the audio source to the bal./unbal. Input on the back of the transmitter. Hook up the antenna to the front antenna jack or rear antenna jack and match the antenna selection switch. You can monitor the audio via the headphone jack in front of the panel. In unlock status, set the channel number by pressing Channel UP or Channel DOWN buttons. And adjust the gain output by pressing Gain UP or Gain DOWN buttons.



### Lock/Unlock

Unlock the transmitter by pressing the LOCK button for a second and the lock icon disappears from the display. Press it again to unlock.

### Channel setting (1-25)

In unlock status, press the Channel + or Channel – button to scroll up or down the channel numbers

### Gain setting (1-7)

In unlock status, press the Gain + or Gain – button to adjust the gain

### MUTE

Press the Gain + or Gain – button for a second to mute the transmitter and the signal strength disappears. Press one of it again to unmute.

### Monitoring

Plug in the headphone to the headphone output jack, turn the volume knob to adjust the monitoring volume

### Sampling Rate Switch

On OFF position, press and hold the Gain + and Gain - buttons and turn the transmitter to ON

position. When there is digit “16” flash once on the display, it means that the device sampling rate is set at 16KHz; When it is digit “8” flash once on the display, it means that it is set at 8KHz.

#### INPUT SOURCE

XLR or 1/4” bal./unbal. input

#### RF output level

Set the RF output via RF POWER LEVEL switch at the rear panel.

12dBm

### Technical Specifications

Frequency Range: 903MHz – 927MHz

RF Output: 15dBm

Modulation: QPSK

Audio sampling: 8bit @8KHz; 8bit @ 16KHz

Power consumption: 60mAH

Dynamic range: >80Db

SNR: >78dB

THD at 1KHz: <1%

Channels: 25

Channel spacing: 1MHz

### Transmitter Troubles

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

Independent data streams are sent to each transmit antenna, so it belong to completely uncorrelated signals.

#### **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 problem persists, the unit needs to be serviced. Do not try to service the unit yourself. Please consult your dealer or ARG directly.

### **Repairs**

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