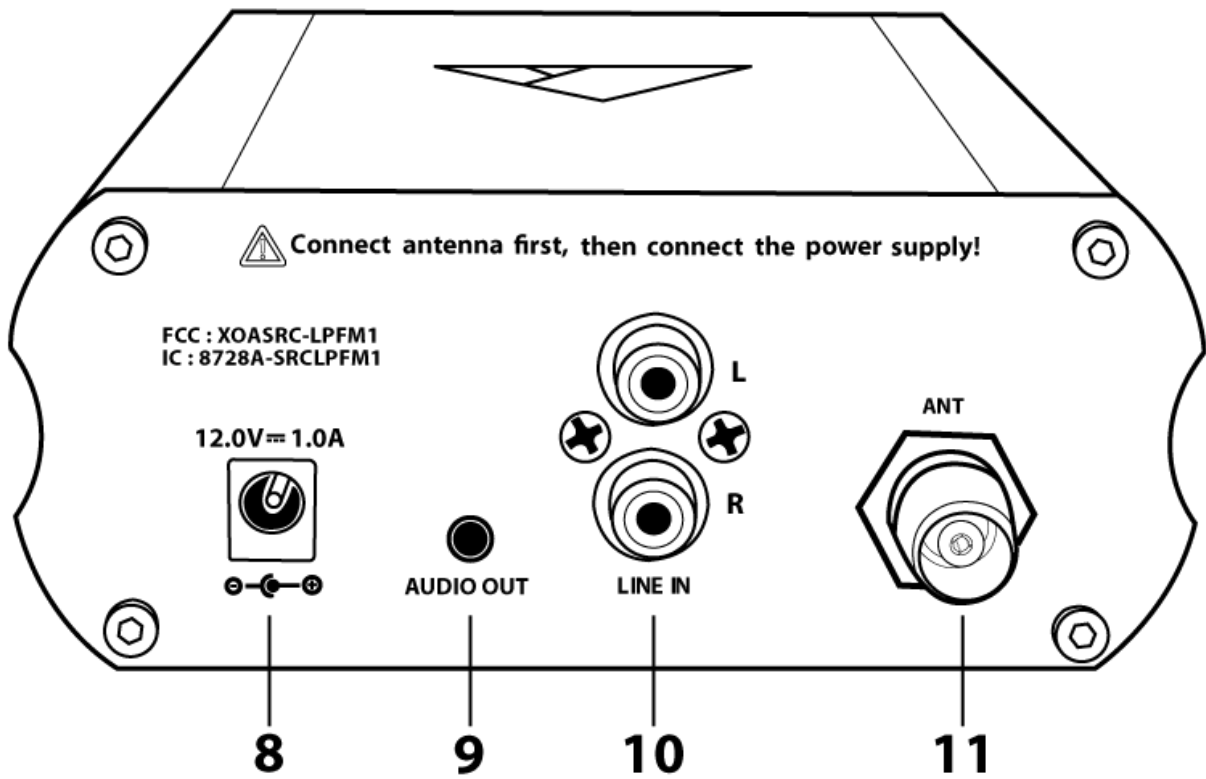
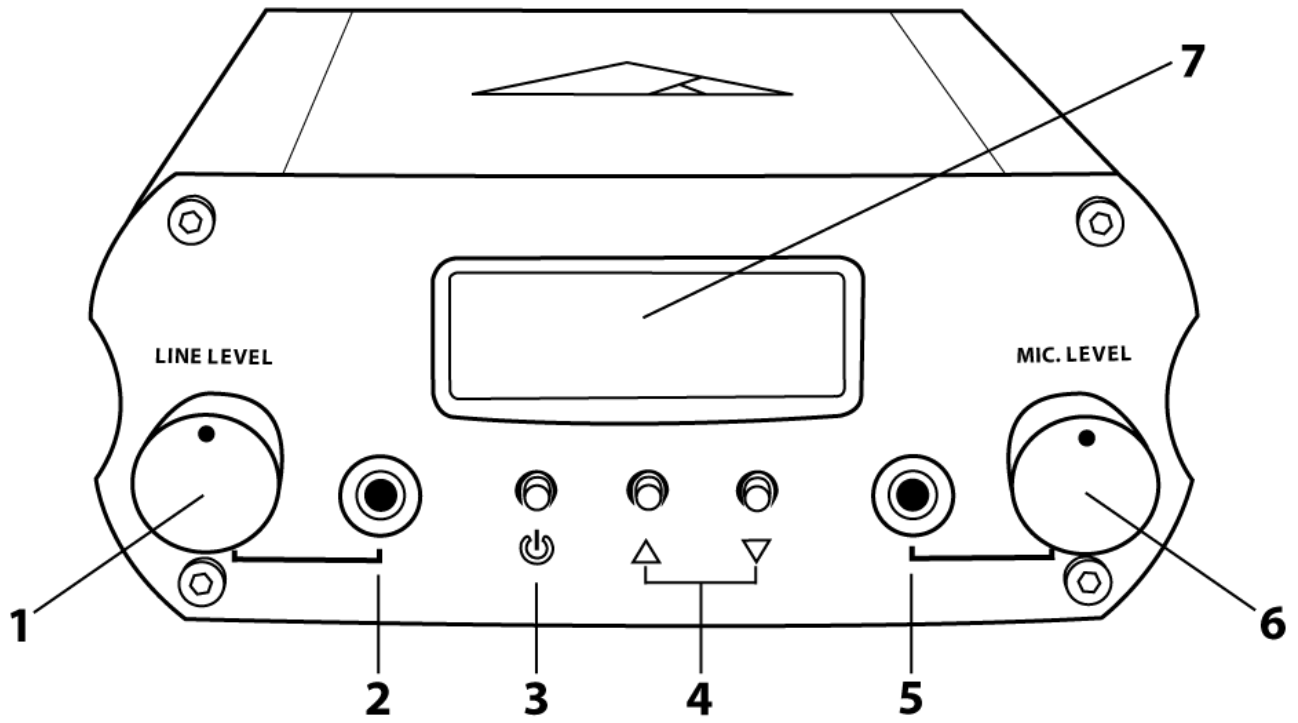




# 1.2 Watt Low Power FM Transmitter

## Instruction Manual





## **TRANSMITTER CONTROLS**

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1. Audio Line-In Volume Control
2. Audio Line-In Port (3.5mm)
3. Power On/Off Button
4. Frequency Tune Up/Down Buttons
5. Microphone Line-In Port (3.5mm)
6. Microphone Volume Control
7. LCD Screen Interface
8. 12V – 1A Power Port
9. Audio Out Port (3.5mm)
10. Audio Line-In Port (RCA)
11. Antenna Connector

## **ACCESSORIES INCLUDED**

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- 1 3.5mm Stereo Audio Cable
- 1 8" Detachable Antenna
- 1 Lavalier Microphone
- 1 12V – 2A Power Supply

## **IMPORTANT NOTICE**

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This is a professional grade FM Transmitter that is certified under FCC Part 73, Subpart G – *Low Power FM Broadcast Stations* for LP100 Stations with FCC ID: XOASRC-LPFM1 and Canada IC: 8728A-SRCLPFM1. You are responsible for ensuring compliance with all local and Federal laws before operating this Low Power FM Transmitter.

## **TECHNICAL SPECIFICATIONS**

<b>Working Voltage</b>	DC 12V
<b>Operating Current</b>	<0.2A
<b>Transmitting Frequency</b>	88.0 ~ 108.0MHz
<b>Transmit Power</b>	<23dBm
<b>Modulation Mode</b>	WFM
<b>Frequency Deviation</b>	+/- 75KHz
<b>Harmonic Radiation</b>	<-60dB
<b>Pre-Emphasis</b>	75µs or 50µs
<b>Degrees of Separation</b>	40dB
<b>Input Level</b>	-13dBV
<b>RF Output</b>	1.2W
<b>Working Temperature</b>	0 ~ 55°C

## **CONTINUOUS OPERATION**

This transmitter is designed to run non-stop 24/7 without any need to be turned off or powered down.

## **AUDIO LINE-OUT MONITOR PORT**

The Audio Out Port (9) allows you to listen to the audio being broadcast by the transmitter. The port is a standard 3.5mm stereo headphone jack and can be connected to audio devices such as headphones, speakers, or a computer.

## **QUICK START GUIDE**

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- 1) Connecting Antenna – DO NOT operate the transmitter without first connecting the antenna, otherwise you may damage the transmitter.
- 2) Connecting Power Source – Only use the power adapter designed and supplied with the transmitter. Using any other power supply may damage the unit and or void any warranties. Plug the included power supply into the back of the transmitter (8).
- 3) Connecting Audio Source – This transmitter can utilize 3 different audio sources: 3.5mm Stereo Audio Cable, RCA Cable and Microphone
  - a. To transmit via Stereo Audio Cable connect the audio cable to the Audio Line-In Port (2) on the front of the Transmitter, then connect the other end of the Stereo Audio Cable to any 3.5mm Audio Line-Out port.
  - b. To transmit an audio source via RCA, connect the RCA cable to the back of the Transmitter's Red/White RCA Audio Line-In port (10) and the other end of the RCA cable to any audio source with an RCA Audio Line-Out port.
  - c. To transmit via Microphone, connect the included Lavalier Microphone to the front of the Transmitter's Microphone Line-In port (5) and then speak into the microphone.
- 4) Powering On or Off – The Power On/Off Button (3) can be switched on or off and remain in that state. For example, if power is lost while broadcasting and then restored the unit will automatically power back on and continue to broadcast.
- 5) Tuning the Transmitter – To change the frequency, use the Tune Up/Down Buttons (4) to adjust the transmitter to your desired frequency.
- 6) Adjusting Volume Controls – You can control the volume to both the Audio Line-In and the Microphone Line-In with the 2 dials on the front of the Transmitter (1) and (6) respectively.

## **REGION PRE-EMPHASIS**

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You can match your regional radio pre-emphasis by changing the transmitter to either 75 $\mu$ s for North America or 50 $\mu$ s for Europe and other countries. The default is set to 75 $\mu$ s, to change the pre-emphasis you need to do the following steps:

- 1) First make sure the unit is powered off, then disconnect the power cable from the back of the unit's power port (8) and wait 10 seconds
- 2) Hold down the power button (3) and then while continuing to hold in the power button, plug the power cord back into the power port, the transmitter will then turn on
- 3) You will need to continue to hold the power button for around 3 seconds until you enter the Transmitter's program mode. Once in the program mode, you can then release the power button
- 4) The LCD screen (7) will show 75 $\mu$ s, you can press the Tune Up/Down Buttons (4) to change the pre-emphasis to either 50 $\mu$ s or 75 $\mu$ s
- 5) Once you have selected the pre-emphasis you want, press the power button to leave the programming mode, the LCD screen will then show "OFF". You can then press the power button again to turn the Transmitter back on and begin broadcasting

## **PERFORMANCE TIPS**

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### Volume Adjustments

The volume of your audio source and transmitter can cause distortion (also called over-modulation) if the volume is too high. The best method to find the right volume level is to increase the volume of the audio source until it distorts, then adjust the volume down on the audio source and/or the transmitter until the distortion stops.

Any easy way to detect distortion is to mute the audio source. Distortion sounds like static but is only heard while audio is being transmitted.

### Environment

Some equipment may also produce radio interference. Keep the transmitter away from computers and other electronic devices. Additionally, do not use the transmitter in outdoor or wet environments; this may damage the electrical components in the power adapter and or transmitter.

### Power Adapters

Only use the power adapter designed for and provided with the transmitter. Since transmitters are sensitive to power input, other power adapters or power sources may damage it.

### Memory Settings

The transmitter is designed to remember all of your settings when powered off even in the event of a power failure. Once you have set up the transmitter to your specifications, you should not need to make any more changes.

## STAY CONNECTED

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*Have Questions or Need Assistance?*

Call Us at

**(888) 315-8161**

Monday through Friday, 8AM to 5PM Eastern

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**FC** ID: **XOASRC-LPFM1**  
**IC: 8728A-SRCLPFM1**

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