RemoteAmp Two™
Stereo Headphone Amplifier

User Guide

JK Audio

Welcome

Thank You

Thank you for purchasing the JK Audio RemoteAmp Two. Please read this guide for instructions on setting up and using your new product.

Getting Assistance

If you have any questions, call us **M-F: 8:30am-5:00pm (CT)**

In the US & Canada (Toll-Free) **800-552-8346**

All other countries dial: **815-786-2929**

Email us at: **support@jkaudio.com**

Or, check out our FAQ section for answers to common questions.

Limited Warranty

BluePack is covered by a 1 year warranty to be free from defective workmanship and materials. To obtain service, contact JK Audio by phone or email for return authorization. Once authorized, you will carefully pack and ship the faulty product and all accessories to us. You will pay for shipping to us and we will pay for return back to you.

This warranty does not cover damages due to accident, weather, fire, flood, earthquake, misuse, unauthorized repairs or modifications, or damages occurred in shipping, only defective workmanship or materials.

There are no expressed or implied warranties which extend beyond the warranty here made.

Safety Precautions

Caution: To prevent possible hearing damage, avoid listening at high volume levels for long periods.

RemoteAmp Two contains a headphone amplifier that is more powerful than the typical consumer product.

JK Audio products are designed for the broadcast industry. The broadcast professional must be able to hear headphone signals over the ambient noise level. From the cheering crowd at a football game to trackside at a car race, the program material or cues must be heard at high volumes without distortion.

Road Safety

Never use headphones while driving or cycling, etc. It can be dangerous to turn up the volume even while walking. Doing so may hinder your hearing and can be hazardous on the roadways or at pedestrian crossings.

Handle with Care

While RemoteAmp Two was designed to be very rugged and durable, it is not waterproof and care should be taken to keep the unit dry.

Welcome

Introducing RemoteAmp Two

RemoteAmp Two provides a listen only connection for mono IFB or full bandwidth stereo music listening. Separate volume controls for the XLR and 3.5mm line input jacks allow a simple mix of mono and stereo sources. The XLR line level input accepts either a balanced mono signal, or a party-line intercom feed (listen-only). The ½ watt, ¼" stereo headphone jack will cut through any crowd noise. Connect an IFB earpiece to the 3.5mm earpiece jack for mono operation.

Features

Compatible with TW (Two-Wire) Party-Line Intercoms (Listen-Only)

XLR Line level Input Jack and Volume Control

1/8" (3.5mm) Stereo Line Input Jack and Volume Control

Hi-Z/Lo-Z Termination of 3.5mm Input

1/4" Stereo Headphone Jack

1/8" (3.5mm) Stereo Headphone Jack

Stainless Steel Belt Clip

>20 Hours on one 9V Battery

Getting Connected

1. **XLR Line In Level**
   Controls the level of audio from the XLR Line In jack.

2. **Stereo Line In Level**
   Controls the level of audio from the 3.5mm Stereo Line In jack.

3. **Power Indicator**
   LED indicates when the power is turned on.

4. **Power Button**
   Press this button in to activate the unit. Press again to turn the unit off.

5. 1/4" Stereo Headphone

The 1/2 watt stereo headphone output gives you a mix of the XLR line input and the 3.5mm Stereo Line In.

6. 3.5mm Stereo Headphone

The unbalanced 3.5mm stereo headphone output provides a mix of the XLR Line input and the 3.5mm Stereo Line In.

7. 3.5mm Stereo Line Input

Connect the output of your other audio equipment to this unbalanced stereo 3.5mm Line In jack.

8. XLR Line Input

Connect the output of your audio console to the XLR Line In jack. This input is line level only and is not suitable for a microphone.

You can use both the balanced XLR and unbalanced 3.5mm inputs simultaneously.

The Stereo Line In allows recordings to be mixed in with the audio from your console.

Operation

Hi-Z/Lo-Z Switch

The switch behind the battery door compartment selects Hi-Z or Lo-Z termination of the 3.5mm Stereo TRS input (20k ohms/50 ohms).

The Hi-Z (high impedance) position is used for connection to most audio equipment. The Lo-Z position appears more like a connected headphone to some phones or tablets. The impedance of the 3.5mm line input is 20k ohms (Hi-Z) by default.

To change the 3.5mm input to Lo-Z:

1. Remove the battery compartment housing by removing the two exposed screws on the side of the unit.

2. Find the switch on the left side of where the battery compartment was located.

3. Slide the switch to the left (towards the opening).

4. Replace the battery compartment and tighten the screws.

To change the 3.5mm input to Hi-Z:

1. Remove the battery compartment housing by removing the two exposed screws on the side of the unit.

2. Find the switch on the left side of where the battery compartment was located.

3. Slide the switch to the right (away from the opening).

4. Replace the battery compartment and tighten the screws.

Can I connect this to my intercom unit?

Yes, this headphone amplifier works well when connected to a ClearCom, RTS or Telex 3-pin XLR party line intercom link so you can monitor the feed, even while listening to the 3.5mm stereo input.

Can I mix sound clips from my personal audio player with the audio from my mixing console?

Yes, you can use both the balanced XLR and unbalanced 3.5mm inputs simultaneously. The Stereo Line In allows music or other recordings to be mixed in with the audio from your console.
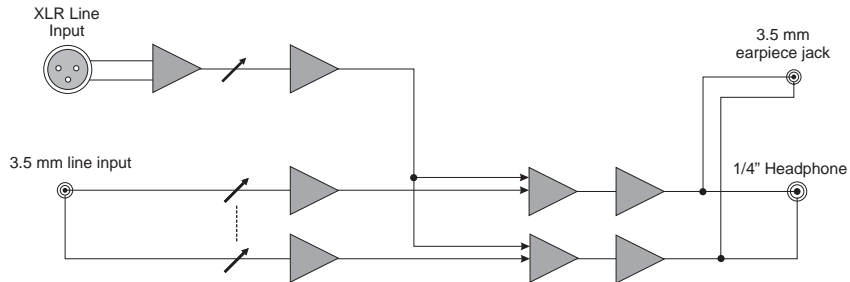
Can I connect a microphone to the XLR input jack?

No, this input is line level only. You need to connect your mic to a mixer or pre amp first.

How long will the battery last?

Based on our tests with the RemoteAmp Two, a standard alkaline battery should last for about 20 hours under normal use. Lithium batteries can significantly increase the battery life, but at a higher cost. As an indicator of low battery, the red Power LED will grow dim and then extinguish a short while before the battery is completely exhausted and the unit shuts down.

Block Diagram

XLR Line
Input

3.5 mm line input

3.5 mm
earpiece jack

1/4" Headphone

Specifications

Line Input

Female XLR:	4k ohms / 100 mV RMS (-18 dBu nom, +12 dBu max)
1/8" (3.5mm) Line In:	20k ohms; Switchable to 50 ohms -10 dBu nom.

Headphones

1/4" Stereo Headphone:	8 ohms, 500 mW per channel
1/8" (3.5mm) Stereo Headphone:	10 ohms 430 mW per channel

Misc.

Stereo Separation	55 dB
Frequency Response:	20 Hz - 20 kHz
Power:	One 9 volt Alkaline Battery
Size:	4.7" x 3.75" x 1.65" (12 x 9.5 x 4.2 cm)
Weight:	10 oz. (275 g)

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JK Audio, Inc.
1311 E 6th St.
Sandwich, IL 60548
United States
Telephone: 815.786.2929
Toll Free: 1.800.jkaudio
Fax: 815.786.8502
www.jkaudio.com

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