



RemoteMix One™ Field Interview Tool



User Guide

JK Audio

Welcome

Thank You

Thank you for purchasing the JK Audio RemoteMix One. 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

RemoteMix One is covered by a 2 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.

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

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Features

XLR Mic Input

Mic Mute switch

3.5 mm Stereo Line Input and Output

¼" Stereo Headphone Jack

4-Conductor 3.5mm Headset Interface
(iPhone, most Android Phones &
Notebooks)

>20 Hours on one
9 Volt Alkaline Battery

Introducing the RemoteMix One

JK Audio combines professional audio electronics with a flexible communications interface in a rugged new belt pack design. RemoteMix One™ offers a professional look and feel to field reporters and live remote talent.

RemoteMix One™ performs live man-on-the-street interviews through your cell phone and can provide two-way IFB connections through a cell phone or notebook for truly flexible remote monitoring.

Connect to cell phones and notebooks through the wired headset jack. This professional microphone preamp and powerful headphone amplifier provide a vast improvement in sound quality. A 3.5 mm stereo line input jack allows recordings to be mixed into the broadcast. The 3.5 mm stereo line output jack provides your full bandwidth microphone signal on the left channel and the return audio on the right channel.

The stereo headphone output gives you a mix of the XLR microphone input, 3.5 mm input, and return audio. This powerful ½ watt stereo headphone amplifier will cut through any crowd noise.

Use as a headset replacement for normal voice calls, or transmit full bandwidth audio using third party CODEC apps. Replaceable interface cables connect to most phones and notebooks.

Controls & Indicators



1) Mic Control

Controls the level of your microphone input.

2) Peak Indicator

The peak LED indicates clipping on the input channel if the level is set too high. The microphone and Aux Send are a combined input. If you see this red LED flashing, you should decrease the Mic and/or Aux Send input levels.

Controls & Indicators

3) Aux Send Control

Adjusts the level of audio from the 3.5 mm Aux Send input jack.

4) Headphones Control

Sets the level of audio sent to the headphone output jack.

5) Power Indicator

Indicates when the power is turned on.

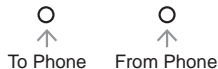
6) Mic Mute Button

Mutes the Mic input.

7) Power Button

Press to activate the unit. Press again to turn the unit off.

Signal Level Pots



There are two signal level pots on the left side of the RemoteMix One that can be adjusted with a small flat blade screwdriver. The left pot is to adjust signal level to the phone. The right pot is signal level from phone. These allow a user to compensate for differences between phones so that the numbers on the thumb wheels have a true meaning.

Getting Connected



1) Headset Interface

Connect the Headset Interface to the headset jack on your wireless phone using the supplied cable.

2) Headphones

Connect your headphones to this 1/4" jack. The 1 watt stereo headphone output gives you a mix of the XLR mic input, 3.5 mm Aux Send input and the Headset Interface audio.

3) Stereo Line Level Output

The unbalanced 3.5 mm stereo fixed line level output jack provides your full bandwidth microphone signal on the left channel and the Headset Interface audio on the right channel.

This stereo output jack allows you to make a full bandwidth recording using your favorite recorder for transfer back at the station or over the web.

4) Stereo Line Level Aux In

Connect the output of your other audio equipment to this unbalanced stereo 3.5mm Aux In jack. This enables you to add background music or sound clips to your remote broadcast.

This audio is not present at the Stereo Output but will be sent to the Headphone jack.

5) Mic Input

Connect your dynamic microphone to the XLR jack. This device will not provide phantom power for a condenser type microphone.

You can use both the balanced XLR and unbalanced 3.5 mm inputs simultaneously. The line level Aux In jack allows recordings to be mixed into the broadcast with your microphone to be sent out through the Headset Interface.

FAQs

How long will the battery last?

Based on our tests using a standard alkaline battery, the battery should last for >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.

If I have an audio source connected to the Aux In jack, will that audio also be present at the Output mini jack?

No, the stereo mini jack output only contains audio from the Mic input and the Headset Interface. This input would be a good place to add background music or sound clips during a live interview that is being sent to your broadcast studio via the Headset Interface.

Can I send and receive audio at the same time?

Yes you can! You can have full duplex conversations with your microphone sent to the Left channel of the stereo line output and the Headset Interface audio sent to the Right channel.

Why is the peak LED still red after I turned down the mic volume level?

The microphone and Aux Send are a combined input. If you see this red LED flashing, you should decrease the Mic and/or Aux Send input levels until the combined input is no longer clipping.

The cellular interface cable was left behind at our last event. Can I get a replacement at our local audio supply store?

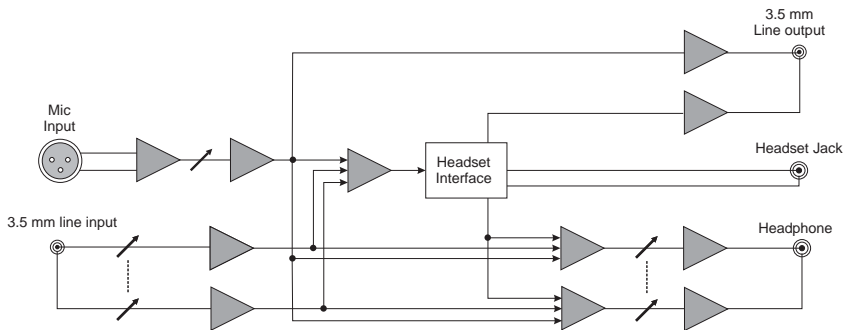
This is a custom made cable and is not wired the same as those that may be available at your local electronics store. Please contact your JK Audio dealer or our Customer Service department and ask for a CN113 replacement cable. The CN113 has a 3.5 mm TRRS headset plug. Most newer phones, especially those that include a mp3 player, have a 3.5mm TRRS headset jack and therefore require the CN113 cable.

Technical Information

Specifications

| Input | Impedence / Level |
|--------------------------|------------------------------------------|
| Female XLR Mics | 2k ohms / -35 dBu nom |
| 1/8" (3.5mm) Stereo Line | 20k ohms / -10 dBm nom |
| Output | |
| 1/8" (3.5mm) Stereo | 100 ohms / -10 dBu nom |
| Headphone 1/4" Stereo | 8 ohms / ½ watt per channel |
| Power | 9 VDC Battery |
| Size | 4.7" x 3.75" x 1.65" (12 x 9.5 x 4.2 cm) |
| Weight | 10 ounces (275 grams) |

Block Diagram



Declaration of Conformity

Declaration of Conformity

Manufacturer's Name JK Audio, Inc.
Manufacturer's Address 1311 E 6th Street
Sandwich, Illinois 60548 USA

Declares that the product:

Product Name RemoteMix One™ Field Interview Tool
Model Numbers RemoteMix One™

The product herewith complies with the requirements of the following Directives and carries the CE marking accordingly:

R&TTE Directive 1999/5/EC
RoHS Directive 2015/863

The Technical File containing supporting documentation is maintained at:

JK Audio, Inc (Corporate Headquarters)
Compliance Manager
1311 E 6th Street
Sandwich, Illinois 60548 USA
815-786-2929 phone
815-786-8502 fax

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