

# THAT-1

## Telephone Handset Audio Tap



## User Guide

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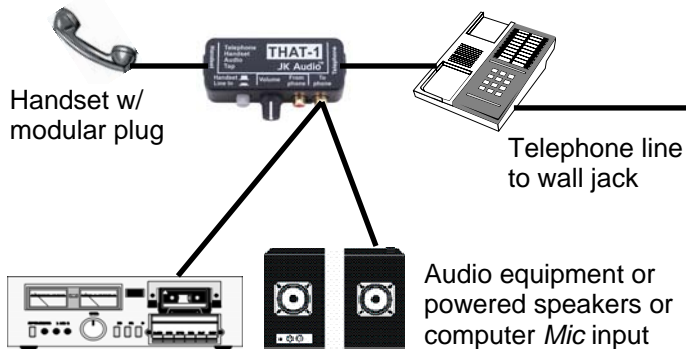
**JK Audio**

## Connection

THAT-1 connects between the handset and the base of your telephone. Follow these simple steps...

1. Unplug the modular handset cord from your telephone base.
2. Using the black handset jumper cord that we have provided, connect the *Telephone* jack of THAT-1 to the handset jack on your telephone base.
3. Plug your handset cord, and handset, into the *Handset* jack on THAT-1.
4. Connect your audio equipment to the line input and output jacks on THAT-1.

**Not for use with telephones that have a keypad in the handset.**



## **Operation**

### ***To Phone Jack***

This is a line level input for signals that you want to send down the phone line. This jack can be connected to an audio output such as the headphone output jack on a tape recorder, the line output of a PC audio card, or the line output from a CD player or audio mixer.

### ***From Phone Jack***

This is a variable mic level output from the telephone line. This jack provides a mix of both sides of the conversation. In other words, whatever you send down the phone line will come back on this jack mixed with the audio from the other side of the call. This is not adjustable. We picked a suitable mix ratio for most telephones.

The supplied adapter cable allows you to take the left channel from a 1/8" mini stereo headphone or mono microphone jack and attach it to the RCA jack on THAT-1.

## Operation

The *Handset / Line In* button selects which signal will be sent down the phone line; the handset microphone, or the line input jack.

When the *Handset / Line In* button is out, you can use the handset to speak and listen as you normally would. The sound that you hear on the handset is always available on the *From Phone* output jack.

With the button in, the handset microphone is disconnected and the line input is connected to send audio signals down the line.

You can also use the *Handset / Line In* button to turn off the handset mic if you are listening to the line output signal over a loudspeaker. This will prevent feedback between the handset microphone and loudspeaker. In any case you can always listen over the handset receiver.

If a conflict arises it will typically be on the line input side. If you attempt to send voice band signals down the line input jack and the distant party complains that the level is too loud or severely distorted (clipping), try to lower the transmit signal on your audio equipment. If this does not help, discontinue use immediately.

**Note:** Not all telephones are built alike so we cannot guarantee THAT-1 will work with any handset design out there. We designed the interface to work with most popular designs.

## **FAQ's**

**? I have been using my THAT-1 for recording and it works great but when I try to send audio down the line it won't work.**

**!** Several things could be causing this problem: First you must send a line level signal into the "To Phone" jack on THAT-1. Second, make sure the gray button is in the "In" position. This disables the handset mic and enables the audio input. Third, the phone you are using must have an "electret" type mic in the handset. Not all phones are the same and THAT-1 is only compatible for sending audio with phones that have this microphone type. You may want to consider our THAT-2 which has a three position switch to allow you to use it with virtually any telephone.

**? Can I get an adapter that will allow me to connect THAT-1 to the wall jack instead of the phone?**

**!** No, your THAT-1 doesn't replace your phone,, but works in conjunction with it. You will need to plug it in between the telephone base and the telephone handset.

**? What is the gray pushbutton on THAT-1 used for?**

**!** The button is used to select which audio signal will be sent into the telephone.

OUT = talking on the handset

IN = sending audio through the RCA jack

Keep in mind that you cannot send audio into the RCA jack and talk on the handset at the same time. However, any audio sent into the phone can be heard on the handset and is available on the RCA output jack at all times.

## ***Specifications***

<b>Line Input:</b>	Connector	RCA Phono Jack
	Input Impedance	20 k ohms
	Level	250 mV RMS
	Isolation	1500 VRMS
<b>Line Output:</b>	Connector	RCA Phono Jack
	Output Impedance	2800 ohms
	Level	100 mV RMS
	Isolation	1500 VRMS

### **Handset and Telephone connectors:**

Modular 4pin/4wire handset jacks

### **Handset Compatibility:**

THAT-1 is designed to work with telephones that have an electret type mic in the handset

## ***FCC Registration***

Your new JK Audio product has been registered with the Federal Communications Commission (FCC). This product complies with the standards in Part 68 of the FCC rules. The FCC requires us to provide the following information:

### **1. Connection and use with the nationwide telephone network**

The FCC requires that you connect this telephone equipment to the national telephone network through a FCC registered telephone.

This equipment may not be used with Party Line Service or Coin Telephone Lines.

### **2. Information for the telephone company**

Upon request from your local telephone company, you are required to provide the following information:

## ***FCC Registration (continued)***

- a) The "line" to which you will connect the telephone equipment (that is, your telephone number), and
- b) The telephone equipment's FCC registration number. This can be found on the bottom of your telephone equipment.

### **3. Repair Instructions**

If it is determined that your telephone equipment is malfunctioning, the FCC requires that it not be used and that it be unplugged from the modular outlet until the problem has been corrected.

Repairs to this telephone equipment can only be made by the manufacturer or its authorized agents or by others who may be authorized by the FCC. For repair procedures, follow the instructions outlined under the warranty section of the manual.

### **4. Rights of the telephone company**

If telephone equipment is causing harm to the network, the telephone company may temporarily discontinue your telephone service. If possible, they will notify you before they interrupt service. If advanced notice is not practical, you will be notified as soon as possible. You will be given the opportunity to correct the problem, and you will be informed of your right to file a complaint with the FCC.

Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your JK Audio product. If such changes are planned, you will be notified.

If this telephone equipment is to be used with a telephone that is leased or owned by another party, permission to connect this telephone equipment to their telephone must first be obtained.

## **Warranty**

The model THAT-1 is covered by a 2 year warranty to be free from defective workmanship and materials. In the event that the THAT-1 needs repair, you must call us to get an authorization, and then carefully pack and ship it to us. You will pay for shipping to us and we will pay for return back to you, UPS ground. No free repairs will be made if the defect was caused by misuse, weather conditions, or other cause, except for defective workmanship or materials. **THERE ARE NO EXPRESSED OR IMPLIED WARRANTIES WHICH EXTEND BEYOND THE WARRANTY HERE MADE.**

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JK Audio, Inc. 1311 E 6th Street, Sandwich, IL 60548 USA

Voice: (815) 786-2929 Toll Free: 800-JK-Audio

Fax: 815-786-8502

Info@jkaudio.com www.jkaudio.com

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