

Connecting a Telephone Hybrid to Your Mixer

These instructions apply to the following JK Audio products: HOST, PODCAST-HOST and PODCAST-POTS.

For the following example, we are connecting the JK Audio Broadcast HOST to an Alesis MULTIMIX 8 Mixer.

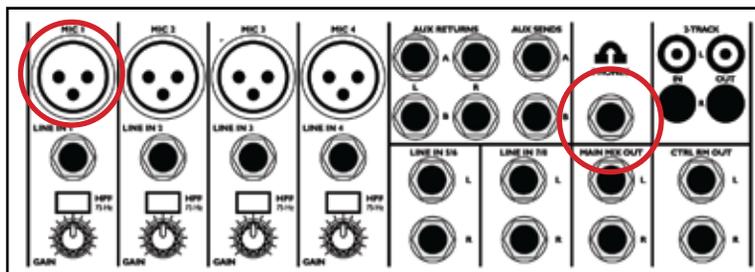
The JK Audio Broadcast Host telephone hybrid and the Alesis Multimix 8 mixer each have detailed instruction manuals that explain their operation. These pages cover the interconnection of these two devices. Cables are typically sold separately from the equipment.

Step 1. Using the instructions given in the mixer's manual:

- Connect a microphone, headphone, and your recording device to the mixer.
- Set the mixer levels.

Microphone connected to Mic Input 1 via XLR female-to-XLR male cable.

Headphone connected to 1/4" headphone output.



Alesis Multimix 8 Mixer connection panel

Depending upon the mixer model, a USB or Firewire connection may exist on the backside to connect directly to your computer recording equipment.

Step 2. Using the instructions given in the telephone hybrid manual:

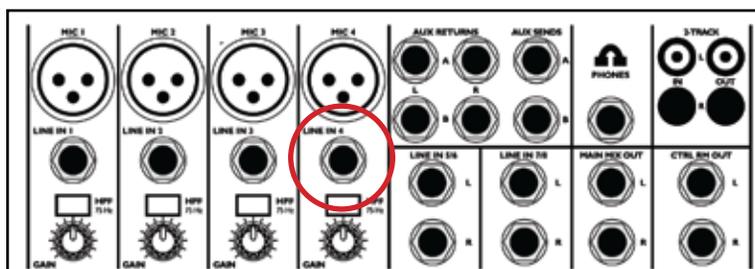
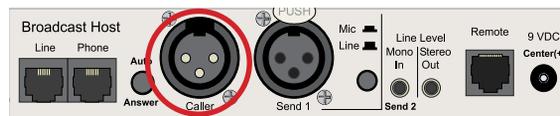
- Connect the telephone hybrid to your telephone.
- Set the SEND 1 and CALLER knobs at 12 o'clock.
- Set the SEND 2 and HEADPHONE knobs fully off (counterclockwise).

Line from Wall Line to Telephone



JK Audio Broadcast Host Telephone Hybrid connection panel

Step 3. Now we can connect the hybrid to the mixer. Using an XLR female to 1/4" cable, connect the XLR female end to the hybrid CALLER jack. Connect the 1/4" end to the mixer LINE 4 input. This is the incoming caller audio signal.

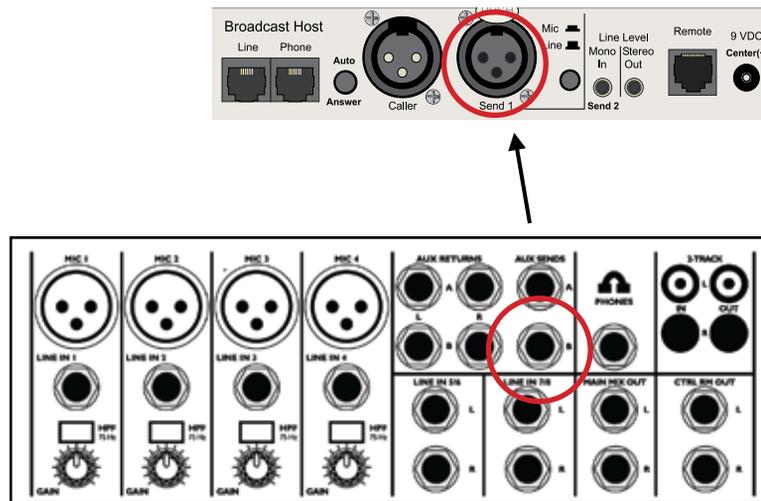


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Step 4. Continue to hook up the hybrid to the mixer. Using an XLR male to 1/4" cable, connect the XLR male end to the hybrid SEND 1 jack. Check that the mic/line selector button next to the SEND 1 jack is in the LINE position (button up). Connect the 1/4" end to the mixer AUX SEND B jack. This sends your audio to the caller.



Step 5. On the mixer, locate the 2 rows of red knobs marked AUX A and AUX B.

- The AUX A knobs can be in any position. They are not used for the hybrid connection.
- Turn all of the AUX B knobs to 9 o'clock, except for channel #4. Turn the channel #4 AUX B knob fully off (counterclockwise).

Step 6. Speak into your microphone and watch the level indicators **on the mixer**. Adjust your mic level so that all of the green lights are on while you speak, and occasionally the first yellow light.

Step 7. Now watch the SEND level indicators **on the hybrid**. Adjust the SEND 1 knob on the hybrid so that both green lights are on while you speak, and occasionally the red light.

Step 8. Have someone call your telephone number. Press the CALL button on the hybrid to pick up the call. As the caller speaks, adjust the small GAIN knob on mixer channel #4 until the PEAK light barely lights, then reduce the GAIN until the PEAK light no longer lights. (See the mixer's level setting instructions.)

Step 9. Now all the knobs on the hybrid, as well as the GAIN knobs and the AUX B knobs on the mixer are correctly adjusted. These knobs do not need to be re-adjusted in your daily use. Individual audio levels will be adjusted by using the LEVEL knobs at the bottom of each input channel. The overall level is controlled by the MAIN MIX knob.