HUGHES & KETTNER RED BOX

The RED BOX enables you to connect your guitar amplifier directly to a stage or studio mixing consolewithout the problems of miking. The Cabinetulator circuitry of the RED BOX authentically recreates the sound of a miked-up guitar cabinet loaded with four 12" loudspeakers.

Advantages:

- **No phase cqnceiiation through interaction with other open microphones.**
- **None of the extraneous noises a microphone would pick up (stage rumble. bleed-through from other instruments).**
- **No need to lug and position an extra mike and mike stand on stage, uncluttered stage appearance.**
- **Reduced set-up time, consistent sound.**

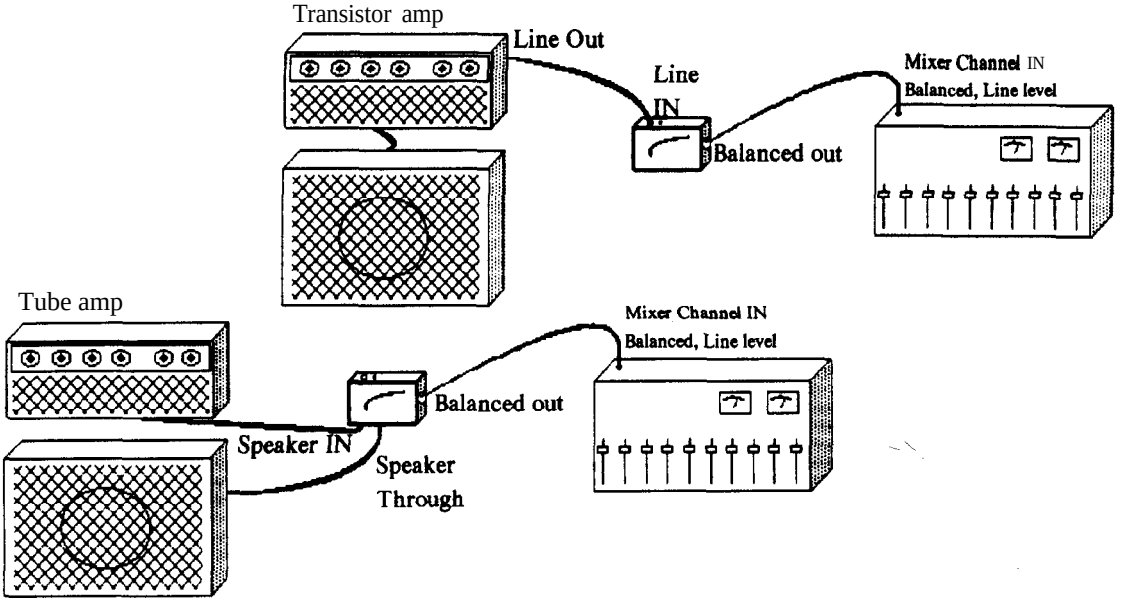
Instructions:

VERY IMPORTANT: Turn off power to the amp before making any connections to the RED BOX. Failure to do so can result in non-warranty damage to the RED BOX. Also VERY IMPORTANT: If you connect a tube amp to the SPEAKER IN jack, you must also connect a speaker (or at least a dummy load) to the RED BOX SPEAKER THRU jack. Failure to do so may damage the amp. (Just like revving an engine in neutral without a load at maximum RPM's can damage an engine).

First, install a 9-volt battery Power from this battery is automatically turned on by the insertion of a standard 1/4" plug into either the LINE IN or SPEAKER IN, and is turned back off simply by removing the plug.

A tube output stage plays a major role in the creation of an amplifier's tone. With tube amps it is therefore recommended that the RED BOX be connected to the amplifier's loudspeaker output (and the RED BOX SPEAKER THRU be connected to the speaker). With transistor amplifiers, however, for the sake of the best dynamics and signal-to-noise ratio, the preamp signal (LINE OUT) is preferred.

Connections:



Technical specifications:

Operational voltage	**: 9 volts DC**
Power consumption	**: 1 mA**
LINE IN	**: maximum 2.3 volts, impedance 20 Kohms**
LINE OUT:	**balanced, impedance 200 ohms**
Gain	**: OdB**
Adapter (optional)	**: Ring = +, Tip = -.9 to 20 volts DC**

Hughes & Kettner®

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