

THS 5

Talkback Headphone Series
Sports Announcer Box
With Mic-Mix Feature



Features

- Two headphone signal XLR inputs with individual volume and pan controls
- Announcer mic volume and pan pots for adding the local mic to headphone mix
- Master headphone volume varies overall mix in both ears simultaneously
- Selectable phantom or "T" power for condenser microphones
- Passive Mic Out for on-air reliability with dynamic mics
- Active line level Talkback Out with level adjust
- Mic On, Cough and Talkback buttons with silent switching technology
- ¼" TRS or 3.5mm headphone jacks
- 12 VAC power adapter included

The THS 5 Talkback/Headphone box is an all-purpose sports announcer console with unique mixing features for ultimate monitoring flexibility. Both main and talkback outputs are provided, with three switches for control. A latching Mic On/Off switch connects signal to the Mic Out. The red light is illuminated when the Mic Out is live and is turned off by the cough and talkback switches. Phantom power is available if condenser mics are used. Onboard phantom power allows seamless switching when talkback is activated. The switch to turn phantom power on and off is recessed to avoid accidental turn off. A momentary Cough switch silences both the Mic Out and the talkback out when depressed.

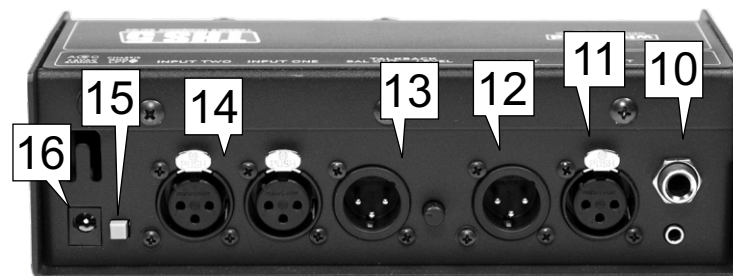
The talkback circuitry featured in the THS 5 provides an off-air channel for booth communications. The announcer's microphone is sent through a preamp and line driver that deliver signal to the talkback output at line level. There is a level control for fine adjustment of the audio sent down the talkback line. The momentary Talkback switch connects audio to the talkback output and mutes the Mic Out. The Talkback switch illuminates green when depressed.

The headphone section of the THS 5 has two external inputs. Each input has a front panel volume and pan control for adjusting the level and balance to the left and right ears. The THS 5 also has a third set of volume and pan pots for mixing the announcer's microphone into the headphones, if desired. There is a master headphone volume control that varies the overall mix in both ears simultaneously. Input connectors are balanced, line level XLRs. The headphone amplifiers are designed to deliver powerful, undistorted audio that can be heard over an arena full of screaming fans. Headphones with impedances ranging from 30 to 600 Ohms can be driven to full volume. Most announcer headsets fall between 100 and 600 Ohms. Headset connections are made through a 3 pin female XLR for the microphone and both ¼" and 3.5mm TRS jacks are provided for the headphones.

Power is supplied by a 12 VAC power adapter, included with the unit. A front panel green LED indicates that power is on. The main microphone output of the THS 5 will be live on-air if power is lost, when using dynamic microphones.

THS 5

DETAIL



Controls and Connectors

1. Phantom power switch applies phantom power (UP) or electret "T" power (DOWN), with center (OFF) for dynamic mics, to the Mic Input when required for condenser microphones.
2. Mic to Phones volume and pan pots adjust level and balance of local headset mic to the headphones.
3. Mic On switch is a latching type that turns on the Mic Out when depressed. A red light indicates that the Mic Out is live. The cough and talkback switches turn off the Mic and the red light.
4. Input One volume and pan pots adjust the level and balance of input one to the headphones.
5. Cough switch is a momentary type and mutes the mic to both the Mic and Talkback Outputs while pushed in.
6. Input Two volume and pan pots adjust the level and balance of input two to the headphones.
7. Talkback switch applies the microphone to the Talkback Out and mutes the main Mic Out. The Mic On switch does not affect the talkback output.
8. Power LED illuminates when the unit is receiving power (12VAC, 600mA).
9. Phones Master volume pot adjusts the level of the overall mix in both ears.
10. Phones jacks connect to the headset earpieces. Both 1/4" and 3.5mm TRS jacks are provided. Tip is left and Ring is right.
11. Mic Input jack connects the microphone to the Cough and Talkback circuits and to the Mic Out jack.
12. Mic Out jack is the mic level output from the microphone input.
13. Talkback Out is a transformer balanced, line level XLR jack with a level control for adjusting amount of the talkback signal sent down the line. The transformer also provides isolation. An internal jumper is provided to disconnect pin 1 ground from the talkback output, if required.
14. Inputs One and Two are balanced line level, female XLR jacks that send signal to the front panel controls.
15. Chassis GND/LIFT switch can reduce interference on the audio line. Use LIFT and connect thumbscrew to Earth for maximum RF rejection.
16. Power jack accepts 12VAC at 600mA on a 2.1mm, center negative barrel plug. Model PS12AC1A power adapter included.

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