TALENT POD™

MICROPHONE AND HEADPHONE CONSOLE

HENRY ENGINEERING
503 Key Vista Drive
Sierra Madre, CA 91024
Tel: 626.355.3656
Fax: 626.355.0077
www.henryeng.com

DESCRIPTION

The Talent Pod is an announcer's mic and headphone "mini-console" for use by talent at a remote broadcast. It is ideal for use at sporting events or any installation where talent requires control of his mic and headphone audio.

The Talent Pod provides the announcer a convenient way to turn his mic on and off and control his headphone volume. It also allows the announcer to hear a mix of remote-site "Local" audio and the "Return" audio that's sent to the site from the main studio. For broadcasts with multiple announcers, several Talent Pods can be used so that each announcer can control his own mic, headphone audio mix and volume. The Talent Pod also includes a mic preamplifier which can be used to add an additional mic input to a mixer or used with a codec that has no microphone input and/or monitor jack. Talent Pods can be used "stand-alone", or with a Henry Engineering MultiPhones Master unit or SixMix USB console. Several Talent Pods can be powered with a single wall transformer. If used with a MultiPhones Master unit or SixMix USB Console, the transformer is not required.

IMPORTANT NOTE: In this manual, **LOCAL** refers to the "program" audio mix from the remote-site mixer; **RETURN** is the "IFB" or "cue" audio sent back to the remote site from the main studio.

INSTALLATION

Microphone: Connect any professional microphone to the MIC IN jack on the back of the unit. Connect another cable between the MIC OUT jack and the mic input of the mixer being used.

Headphones: Most remote broadcasts require the talent to hear a mix of (a) the remote-site Local audio, and (b) the Return audio that is sent back to the remote site from the main studio. The Talent Pod has inputs for each. Connect Local audio to the LOC/L input jack, and connect Return audio to the RTN/R jack.

Power: For "stand-alone" use, connect a Henry Engineering power supply to the 12 VAC power input jack. If using multiple Talent Pods, only one transformer is needed. All units linked with cat5 cables will be powered via the cat5 cabling. (If using a MultiPhones Master unit or a SixMix console, no transformer is needed. The Talent Pod(s) will be powered via cat5 cabling to these units.)

Linking multiple units: For broadcasts with multiple announcers, use a separate Talent Pod for each. Connect Local and Return audio to the first Talent Pod, then "daisy chain" the 2nd, 3rd, (etc) units using cat5 cables via the LINK I/O jacks. The cat5 cables will distribute Power, Local, and Return audio to all units in the system, with each announcer having independent control of his headphone audio.

Mic Preamp: To use the output of the internal mic preamp, insert a 3.5mm plug into the MIC PRE OUT jack. This output is unbalanced, at about -10 dBu. The load should be 1K ohms or higher. Connect to Tip and Sleeve.

USING TALENT POD WITH A MULTIPHONES MASTER UNIT

Talent Pods can be used with a MultiPhones Master unit to add multi-zone Talkback to the system. Connect Local and Return audio to the Left and Right inputs of the MultiPhones Master unit, then use cat5 cables to connect to the Talent Pods. For multi-zone Talkback, use a separate cat5 cable to each Talent Pod. If only one Talkback zone is needed, connect the first Talent Pod to the Master unit, then daisy-chain additional units as needed. The MultiPhones Master unit will provide power and audio to all units.

USING TALENT PODS WITH A SIXMIX USB CONSOLE

Connect the first Talent Pod to the "Guest Pod" jack on the back of the SixMix console. Additional Talent Pods can be daisy-chained as needed. The Talkback function of the SixMix will "talk to" all Talent Pods. The SixMix console will provide power and stereo Monitor audio to all units.

MIC GAIN: The gain of the internal mic preamp should be set so that the output level at the MIC PRE OUT jack is about -10 dBu. NOTE: The preamp does NOT feed the MIC OUT jack. It is used only for monitoring, or if the mixer being used requires a "line" input. The GAIN trimmer has no effect on the XLR MIC OUT jack.

SET UP (There is a "reminder label" explaining these buttons on the bottom of the chassis.)

MODE BUTTON: This button selects either SPLIT/MONO **(out)** or STEREO **(in)** operation. In SPLIT/MONO mode, Local and Return audio sources are mono; each is fed to a separate volume control and pan switch. STEREO mode is used when the headphone audio source is stereo. Both left and right channels are controlled by the LOCAL volume control. The RETURN volume control and pan switches do not function in this mode.

PGM BUTTON: This button selects what is sent to the LOCAL volume control. OUT is for "normal" operation: Local audio will be sent to the LOCAL volume control. If this button is IN, mic audio (from the internal mic preamp) is sent to the LOCAL volume control. This would normally be used only if no other Local audio source was available.

OPERATION

Operation of the Talent Pod is simple and straightforward. The mic is turned on and off by pushing the MIC ON pushbutton. Pushing the COUGH button momentarily mutes the mic.

Plug headphones into the Talent Pod using either (not both) of the PHONES jacks. Headphone operation is dependent upon the settings of the MODE and LOC buttons on the back of the unit. In most cases, "normal" operation is with both buttons set **OUT,** for SPLIT/MONO operation with RETURN audio, as follows:

Adjust the volume of the remote-site Local audio mix using the LOCAL volume control. The PAN switch below the volume knob will position this audio in the left, center, or right channel of the headphones.

If Return audio is being sent to the remote site from the main studio, its volume is adjusted using the RETURN volume control. The PAN switch below the volume knob will position Return audio in left, center, or right channel of the headphones.

If the MODE button is IN (Stereo operation), Local audio will be stereo (there is no Return audio). The volume is controlled with the LOCAL volume control. The RETURN volume control and Pan switches will be disabled.

If the LOC button is IN, audio from the mic (only) will be fed to the LOCAL volume control. This setting would be used if there is no source of Local audio, e.g., if no mixer is being used, or if the codec has no Monitor output.

TECHNICAL SPECIFICATIONS

Mic Input	Any Lo-Z balanced microphone, female XLR
Mic Output	Same as mic input, Lo-Z, balanced, male XLR
Mic Pre gain	30-50 dB, adjustable via rear panel Gain trim
Mic Pre Output	-10 dBu nom, unbal, 1K load max, 3.5mm TS jack
LOC, RTN Inputs	-10 dBu to +4 dBu, 20K bal or 10K unbal, ¼" TRS jack
Link I/O	Links multiple units with cat5 cable, distributes Power, Local and Return audio to all units
MODE switch	Selects split-mono or stereo headphone audio
PGM switch	Selects LOCAL input or Mic preamp as Local source
Headphone Output	>24 ohms, ¼" and 3.5mm TRS jacks provided
Power	12VAC, 50ma per unit, provided by wall transformer or MultiPhones Master unit or SixMix USB audio console.

C E

HENRY
HE
ENGINEERING

SCHEMATIC: SPORT POD
Document Number 5900
Date: Wednesday, June 08, 2011

HENRY ENGINEERING
503 Key Vista Drive
Sierra Madre, CA 91024 USA
telephone - (626) 355-3656
FAX (626) 355-0077