



# TT-1 IFB Control or Intercom Beltpack w/Program Input

## Operating Instructions

The TT-1 may be used either as a miniature control for a portable IFB system or as a beltpack in a headset intercom system with the facility to inject program material onto the intercom path. The only practical difference in these two applications is that the talent receivers in the IFB system have no microphone inputs, being listen only, and the beltpacks in the intercom system are simultaneous talk/listen (duplex). In each case the controls, indicators and inputs/outputs of the TT-1 function in the same way.

### Front panel controls and indicators:

Green *DC* LED: confirms that the unit is receiving operating current from the power supply (24~30VDC)

White *Talk* button: this button is momentary and is used when the operator wishes to talk to the talent receivers or beltpacks. This switch can be made latching on request.

Green 'bull's-eye' *Intrpt/T-over* button: This button controls the function of the *Talk* button. With the button in the *in* position, the *Talk* button mutes the program material while the operator is speaking. When the button is in the *out* position, the operator talks over the program material.

Grey thumbwheel: this controls the level of both the program material and the communications heard in the operator's headset.

Black rotary knob: this controls the level of the program material being sent to the talent receivers or to the beltpacks.

Green, yellow, red LEDs: this is a true VU meter indicating the level of program material being sent to the talent receivers or beltpacks.

Recessed control *Mtr Adj*: this control allows for adjusting the sensitivity of the VU meter. It should not be adjusted without an appropriately calibrated input to the program jack. Best done by a trained technician.

Recessed control with figure of a headset below it: this *sidetone* control changes the level of the operators own voice in his/her own earspeaker(s). It is factory set for most common headsets but may need to be adjusted for headsets built to different earspeaker sensitivity standards or to a level the operator finds most comfortable.

### Rear panel inputs and outputs:

*Program* jack: This jack will accept either a 3-pin male XLR plug or 1/4" tip/ring/sleeve (stereo) phone plug. The input is balanced and suitable for inputs of 150~600Ω. If an unbalanced signal is to be connected, pins one and two of the XLR should be shorted or the sleeve and the ring of the 1/4" phone plug. Do not connect an intercom cable to this input. The 24VDC on pin 2 of an intercom XLR may damage this input.

Four pin male XLR jack: This is the attachment point for the operators headset. The pin configuration is as follows: pin 1 - microphone shield; pin 2 - microphone signal; pin 3 - earpeaker (-); pin 4 earpeaker (+). The input/output is suitable for a headset with a dynamic microphone. An adapter permitting the use of a headset with an electret microphone is available on special order.

Three pin female XLR jack: This is the connection for the talent receivers or to the intercom system. In a small system using a PS-4 and an AD2410 as the power source and intercom termination/distribution point, the TT-1 would be connected to one of the three XLR jacks on the PS-4 with the other two PS-4 XLR jacks being used to connect to the other talent receivers or beltpacks in the system. This jack is compatible with Production Intercom®, Clear-Com® and other 200Ω unbalanced intercom systems. It is *not* compatible with Telex® or RTS®. For products compatible with the latter two, please contact the factory.

### Caution:

Always establish the level of program material being sent to the talent receivers or belt packs by observing the *peaks* indicated by the VU meter, and do this *before* anyone puts in an earpiece or puts on a headset. The meter should *never* register in the red. Very loud sounds, even for a short period of time can cause *permanent* hearing damage as can even moderately loud sounds over an extended period of time.

## Production Intercom Inc.

P.O. Box 3247, Barrington, IL 60011-3247

Voice: (847) 381-5350 Fax: (847) 381- 4360 Sales & Technical Assistance (US & Can):(800) 562-5872

e-mail: support@beltpack.com Web: beltpack.com