

ASTi Press-to-Talk (PTT)

The PTT is used to enable operator transmissions over ASTi simulated intercoms or radios. There are several PTT options to consider depending on your system requirements and the device capabilities.

All PTTs have an audio volume adjustment knob. The PTT may have a mono audio signal output to the headset or a stereo signal output with separate channels for the left and right earcup. For example, the stereo PTT is needed when you want to hear radios in one earcup and intercoms in the other earcup or when you want to hear different warning tones in separate ears.

The PTT may have the following options:

- mono or stereo
- latching switch for continuous transmissions
- momentary press and release switch
- 4-channel selection
- single channel

Latching mode is typically used when you have a single-channel to talk on using the push-to-talk switch. This is generally referred to as “hot mic” capability.

PTTs can have an internal resistor which allows the ASTi device to detect which direction the toggle switch is being pressed (forward/backward). The resistor option is useful when you want to switch between two channels and the switch acts as a channel selector. For example, pushing the switch forward selects an intercom and pushing it backward selects a radio. Typically, you will want the non-latching switch option for this application.

Note: Not all ASTi devices support the internal resistor option. Please see specific device documentation.

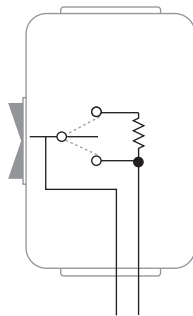


Figure 1: Internal Resistor

The remainder of this document describes the following PTTs:

- PTT with Integral Volume Knob
- PTT with Four Channel Select

Note the four channel PTT is compatible with the Iris (Telestra 3/MBV) and ACU/ACU2 (Telestra/ACE).

- Stereo PTT
- Footswitch PTT

ASTi also offers custom realistic hand-held PTTs to match your high-fidelity simulated radio panel.

PTT with Volume Knob

Description

The PTT with a volume knob on the side is the basic PTT. The opposite side has a rocker-type PTT switch with two options. Press the switch up for momentary switch transmission or press the switch down to the latching side for continuous transmission. The bottom of the PTT (as shown below) has a cable connection to connect to an ASTi device. The top of the PTT has a cable connection to connect to a headset. The connectors are XLR type.

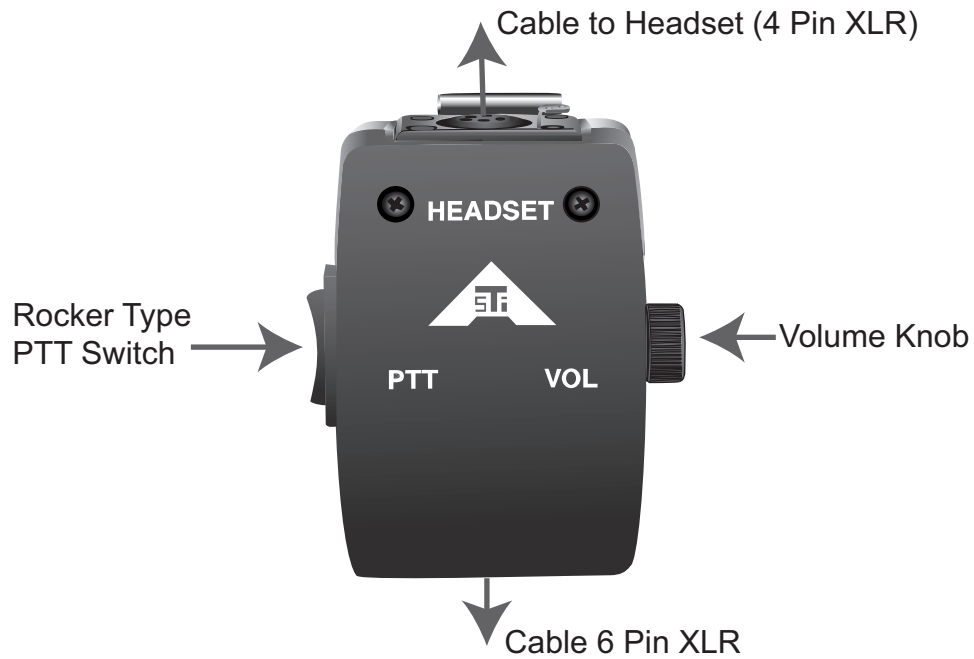


Figure 2: PTT with Volume Knob

PTT with Four Channel Select

Description

The PTT with four channel select is for use with specific Model Builder Visual (MBV) or ACE products. The channel select knob is a four position switch which is used to select channels or radios within a model. The PTT has a volume knob and a press-to-talk switch. Press up for momentary transmission and press down to latch the button for continuous transmission. The bottom of the PTT has a cable connection to connect to an audio input /output device. The top of the PTT has a cable connection to connect to a headset.



Figure 3: PTT with Four Channel Select

Stereo PTT

Description

The PTT with stereo support offers independent volume control with latching PTT switch. The bottom has a 10-pin circular connector for stereo support.

Footswitch PTT

Description

There are two types of footswitches depending on the user's needs for latching or momentary connection.

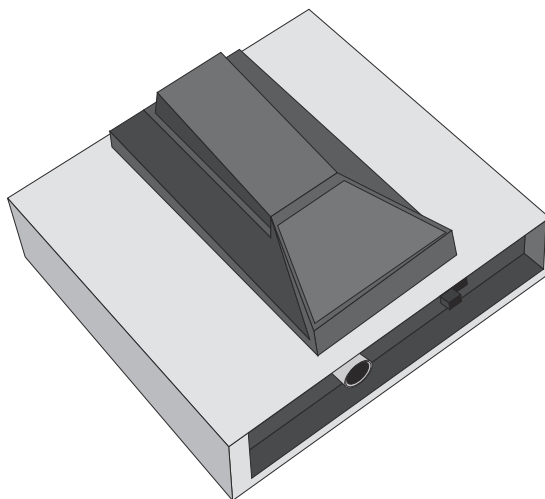


Figure 4: Footswitch PTT