

OTTO[®]

Multi-Port Hub PTT

Technical Manual and Instructions for Use



Multi-Port Hub PTT Introduction

The Multi-Port Hub PTT (Push-to-Talk) allows operation of the NoizeBarrier® TAC headset with up to three radios or other communication devices. In addition to providing PTT buttons for two-way radio communications, for a wide range of OTTO manufactured headsets, the Multi-Port Hub controls levels of situational awareness (talk-through) within the NoizeBarrier TAC headset only.

Features of the Multi-Port Hub PTT

- 3 separate PTT buttons
- Left hand, right hand reversible
- Up/Down volume, On/Off control buttons for situational awareness (feature is only available with NoizeBarrier TAC; +/- 12dB)
- Single/Dual/Triple communications (comm) modularity
- MOLLE (Modular Lightweight Load-carrying Equipment) attachment system included
- Small, lightweight form factor
- Compatible with all major radio platforms
- Optional compatibility with both Android and most other 3.5 MM jack devices
- Detachable cables for each radio/device
- No batteries required

Multi-Port Hub PTT

Figures 1 & 2

- a) MOLLE Clip Interface
- b) Headset jack
- c) Main jack – PTT 1-2
- d) AUX jack – PTT 3
- e) PTT 1
- f) PTT 2
- g) PTT 3
- h) Volume up
- i) Volume down

Figure 1

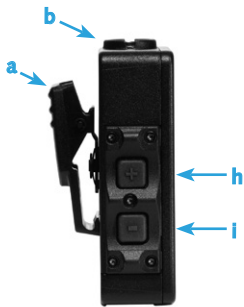


Figure 2



Radio Cables

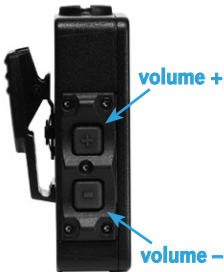
OTTO has cables for a wide variety of radios, intercoms, headsets, and other accessories to interface with the Hub. Please email info@ottoexcellence.com for more details.

PTT and Volume Buttons

The Multi-Port Hub PTT has three buttons marked 1, 2, and 3 on the side of the hub. It also has volume + and - buttons to control situational awareness (talk-through).



1. The top PTT button marked **1** is the primary PTT button. It controls the radio plugged into the jack labeled **PTT 1-2 MAIN**.
2. The middle PTT button marked **2** is for secondary radios plugged into the **MAIN** jack with a Y-cable, or for dual comms channels on a dual-channel radio platform.
3. The bottom PTT marked **3** is used when a radio or device is plugged into the **AUX** jack.
4. Operating the volume **+** and **-** buttons on the Hub work the same as the NoizeBarrier TAC headset. A long depression turns the situational awareness feature on or off. A short depression on either button will turn the volume up or down.



Multi-Port Hub PTT Operation

When a single radio is used, receive audio will be heard in both ears of the NoizeBarrier TAC (only) headset. When two radios are used, primary radio comms (generally from the **MAIN** jack and using **PTT 1**) will be heard in the left ear; secondary audio (on **PTT 2** or **3**) will be heard in the right ear. If three radios are in use, the third radio plugged into **AUX** will be heard in both ears.



Installation

Note that the connectors on the Multi-Port Hub PTT are keyed to create proper alignment of the connector pins.

1. Plug the audio connector cable on the NoizeBarrier TAC headset into the jack marked **HDST** on the top of the hub.
2. Plug a radio connector cable (see page 4) into the bottom of the hub. The cable must be the appropriate cable for the radio platform in use. For use with one radio, plug the connector into the jack on the hub marked **PTT 1-2 MAIN**.
3. Plug the other end of the radio cable into the radio or device.
4. If more than one radio is used, the **MAIN** jack is for the primary radio. With the use of a Y-cable the **MAIN** jack is for primary and secondary comms.



5. An additional radio, cellphone, or EUD (End User Device) can be plugged into the **AUX** jack and is controlled by **PTT 3**.
6. Using the Y-cable on the **MAIN** jack and an additional radio cable on the **AUX** jack, up to three radios can be connected to the hub.

Radio Operations

The NoizeBarrier TAC headset can be used for radio communications regardless of whether active talk-through is powered.

Single Radio Operation

1. Plug the connector on the headset cable into the top of the Multi-Port Hub PTT.
2. Attach a radio cable to the **MAIN** connector on the bottom of the hub. Cables are specific to the radio model in use.
3. Attach the cable to the connector on the radio.
4. Turn on the radio.
5. Listening volume for radio communications is controlled by the volume controls on the radio.
6. Situational awareness volume is controlled by the **+ and -** buttons on the left ear cup or the **+ and -** buttons on the hub.
7. PTT feature is activated when the PTT button marked **1** on the side of the hub is pressed. (**1** and **2** on dual-PTT radios)

Multiple Radio Operation

1. Plug the connector on the NoizeBarrier TAC headset cable into the top of the Multi-Port Hub PTT.
2. Attach radio cables to the **MAIN** or **AUX** connectors on the bottom of the hub.
 - a. To use both channels on the dual channel radio attach the cable to the **MAIN** jack on the Multi-Port Hub
 - b. To use three single channel radios, split cables are used to attach two radios to the **MAIN** jack on the hub. A third radio will attach to the **AUX** connector on the hub. Cables are specific to the radio model in use.
3. Attach the cables to the connectors on the radios.
4. Turn on the radios.
5. Listening volume for radio communications are controlled by the volume controls on the radios.
6. Situational awareness volume is controlled by the **+ and -** buttons on the left ear cup or the **+ and -** buttons on the hub.
7. PTT feature is activated when the PTT button marked **1** on the side of the hub is pressed.
 - a. Dual-PTT radios will use PTT **1** and **2**. Receive audio will be heard separately in the left and right ears (if radio is capable).
 - b. Radios or accessories connected to the **AUX** jack will use **PTT 3** when feature is enabled.

Warranty and Support

The Multi-Port Hub PTT includes a one year warranty from the date of purchase.

Product Registration

Register to receive email alerts whenever updates or mission critical information regarding your product becomes available. <https://go.otto-comm.com/product-registration>



This product can expose you to chemicals including lead, which is known to the State of California to cause cancer & other reproductive harm. For more information go to www.P65Warnings.ca.gov

For questions or more information, please contact:

OTTO[®]

10 West Main Street
Carpentersville, IL U.S.A. 60110
Toll Free Phone: 888-234-OTTO (6886)
Phone: 847-428-7171
Fax: 847-551-1343
E-mail: info@ottoexcellence.com
www.otto-comm.com



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