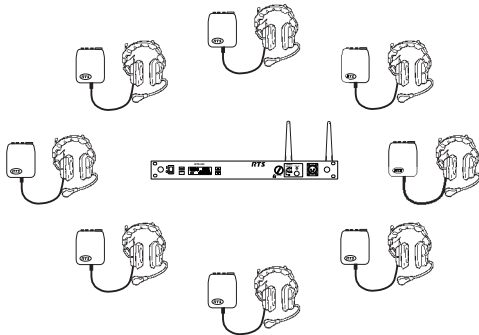


QUICK START GUIDE

NOTE: Prior to use, the BTR-240 battery packs should be fully charged. Refer to the battery charge instructions in the user manual.

Wireless Mode Setup

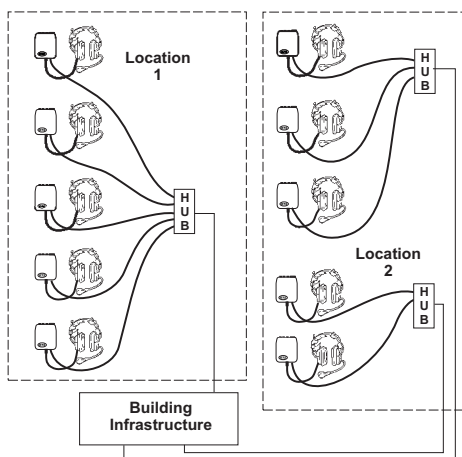
For a wireless mode configuration, a BTR-240 base station provides the wireless coverage area for beltpacks configured in wireless mode.



1. Select a location for the BTR-240 base station and connect the power cord and antennas.
 - For omni-directional antennas, place the BTR-240 as close to the center of the coverage area as possible.
2. Connect the base station to external audio interfaces. For example: local headset, 2-wire, 4-wire, auxiliary, speaker.
3. Turn on the base station.
 - After approx. 25 seconds, the boot cycle will complete and Status Screen is displayed.
 - Activate the connected audio interfaces by navigating the menu on the LCD screen.
4. Perform a ClearScan.
 - Press and hold the <MENU> + <SET> buttons simultaneously for approx. 3 seconds.
 - ClearScan will find and select the optimal RF channel for operation.
5. Plug headset into the TR-240 beltpacks and turn them on, one by one.
 - If the beltpack has not been previously set to “wireless mode”, press and hold the <TALK> button while the beltpack boots.
 - Allow a few seconds between each beltpack power on.
 - After approx. 20 seconds, a voice prompt will announce “wireless” in the beltpack headphones indicating that wireless communication has started.

Wired Mode Setup

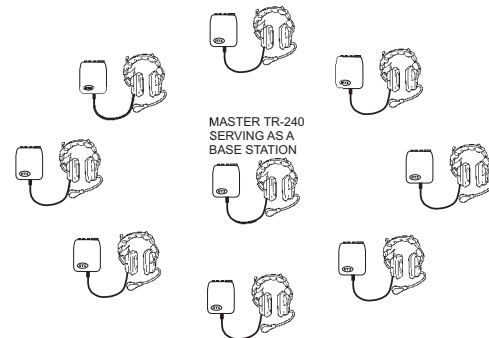
For a wired mode configuration, TR-240 beltpacks are directly connected to each other via Ethernet cable or through a building’s Ethernet infrastructure. No base station is required for a wired mode configuration.



1. Connect the TR-240(s) to each other with Ethernet cables via the RJ-45 connectors.
 - Use CAT-5e or better Ethernet cables that are wired to standards T-568A or T-568B.
 - Do not use more than 100m (328ft) of Ethernet cable between devices.
 - If desired, a TR-240 in wired mode can be plugged into an AC outlet for prolonged use.
2. Plug headset into the TR-240 beltpacks and turn them on, one by one.
 - If the beltpack has not been previously set to “wired mode”, press and hold the <2> button while the beltpack boots.
 - Allow a few seconds between each beltpack power on.
 - After approximately 20 seconds, a voice prompt will announce “wired” in the beltpack headphones indicating that wireless communication has started.

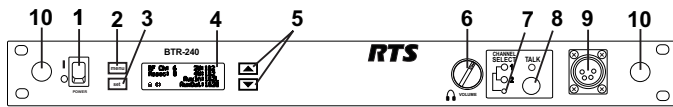
Master Wireless Mode Setup

For a master wireless mode configuration, one TR-240 beltpack is configured as the “master” and provides the wireless coverage for other “wireless” beltpacks. The “master” beltpack can still be used for audio just as a “wireless” beltpack. No base station is required for a master wireless mode configuration.

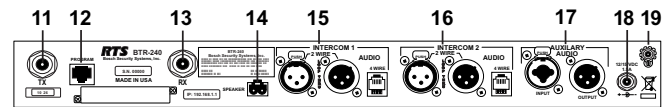


1. Select one of the beltpacks to operate in master wireless mode and plug in a headset.
 - If desired, the “master” beltpack can be plugged into an AC outlet for prolonged use.
2. Turn on the “master” TR-240 beltpack.
 - If the beltpack has not been previously set to master wireless mode, press and hold the <1> button while the beltpack boots.
 - After approximately 20 seconds, a voice prompt will announce “master wireless” in the beltpack headphones.
 - A second voice prompt will announce the current RF channel of operation, for example, “Channel 1”.
3. Perform a ClearScan.
 - Continue holding the <1> button until the voice prompt announce “RF Selection”.
 - Press <TALK> and the voice prompt will announce “ClearScan”.
 - ClearScan will find and select the optimal RF channel for operation.
 - Release all the buttons for approx. 3 seconds and the ClearScan channel becomes active.
4. Once the “master” TR-240 beltpack has booted and been configured, plug headset into the “wireless” beltpacks and turn them on, one by one.
 - If the beltpack has not been previously set to “wireless mode”, press and hold the <TALK> button while the beltpack boots.
 - Allow a few seconds between each beltpack power on.
 - After approximately 20 seconds, a voice prompt will announce “wireless” in the beltpack headphones indicating that wireless communication has started.

BTR-240 Controls and Connections



1. **Power on/off switch** – turns the power on/off.
2. **<MENU> button** – used to navigate the menu options on the LCD.
3. **<SET> button** – used to navigate the menu and select options on the LCD.
4. **Backlit Graphics LCD (liquid crystal display)**
5. **<UP> and <DOWN> buttons** – used to navigate the menu options on the LCD.
6. **<VOLUME> control knob** – controls the volume for the local headset.
7. **<CHANNEL SELECT> button** – controls the intercom channel to which the local headset is connected.
8. **<TALK> button** – press to enable/disable the audio path from the local headset. LED will illuminate solid when active.
9. **Local Headset Connector** – standard 4-pin XLR connector. Male XLR for Telex units, female XLR for RTS units.
10. **Antenna Mount Knockout** – remove to mount the antennas on the front panel if desired.



11. **Transmit Antenna** – reverse "TNC" connector.
12. **Program Input** – RJ-45 jack for wired Ethernet connections.
13. **Receive Antenna** – reverse "TNC" connector.
14. **Speaker Output** – 2-pin connector to attach cables and a speaker.
15. **Intercom Channel 1 In/Out** – 2-wire and 4-wire interface to wired intercom system 1.
16. **Intercom Channel 2 In/Out** – 2-wire and 4-wire interface to wired intercom system 2.
17. **Auxiliary Input/Output** – 3-pin female XLR / ¼" combo jack for input and 3-pin male XLR output.
18. **DC Input Jack** – accepts 12-15 VDC, 1.5 Amp source to power the BTR-240.
19. **Chassis Ground** – grounding point of the base station.

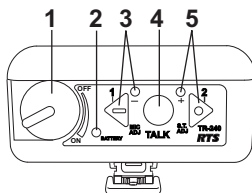
BTR-240 Special Key Sequences:

- ClearScan** <MENU> + <SET> for approx. 3 seconds.
Sequence takes from 25 to 45 seconds to complete.
- Lockout** <UP> + <DOWN> for approx. 3 seconds.
Repeat to toggle on/off.

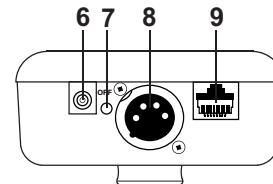
- Software Version** <SET> + <DOWN> for approx. 3 seconds.
Will flash the software version for approx. 3 seconds.

- Factory Restore** <MENU> + <SET> + <UP> + <DOWN> for approx. 3 seconds.
User reset to restore audio settings and RF channel.
Factory restore to restore audio settings, RF channel, and all configurations.

TR-240 Controls and Connections



1. **On/Off & Volume Control** – turns the power on/off and controls the headset volume.
2. **Battery Light** –
GREEN = Battery OK
YELLOW = Battery Low (approx. 15 mins. left)
RED = Battery Low (battery needs charge)
3. **Channel "Green" Button and Light** – selects the "Channel 1" intercom. The green light will illuminate upon selection.
4. **<TALK> button** – press to enable/disable the audio path from the headset microphone. Channel LED(s) will illuminate solid when the microphone path is enabled and will blink when the microphone path is disabled.



5. **Channel "Blue" Button and Light** – selects the "Channel 2" intercom. The green light will illuminate upon selection.
6. **Charge Jack** – used to charge the Li-Ion battery. Accepts 12VDC regulated power supply.
7. **Charge Light** –
RED = Battery is charging.
GREEN = Battery is charged.
8. **Headset Connector** – standard 4-pin XLR connector. Male XLR for Telex units, female XLR for RTS units.
9. **Program Input** – RJ-45 jack for wired Ethernet connections.

TR-240 Special Key Sequences:

- Wireless Mode** Press and hold <TALK> while booting.
- Wired Mode** Press and hold <2> while booting.
- Master Wireless Mode** Press and hold <1> while booting.
- Momentary Mode / Push-to-Latch Mode** <1> + <TALK> + <2> for approx. 5 seconds.
Repeat to toggle

- Microphone Gain** <1> + <TALK> for approx. 3 seconds.
Continue to hold <TALK> and use <1> to decrease the gain and <2> to increase the gain. Release all buttons to set.
- Sidetone Level** <2> + <TALK> for approx. 3 seconds.
Continue to hold <TALK> and use <1> to decrease the level and <2> to increase the level. Release all buttons to set.
- Software Version** <1> + <2> for approx. 5 seconds.
Voice prompts will indicate the mode and software version.