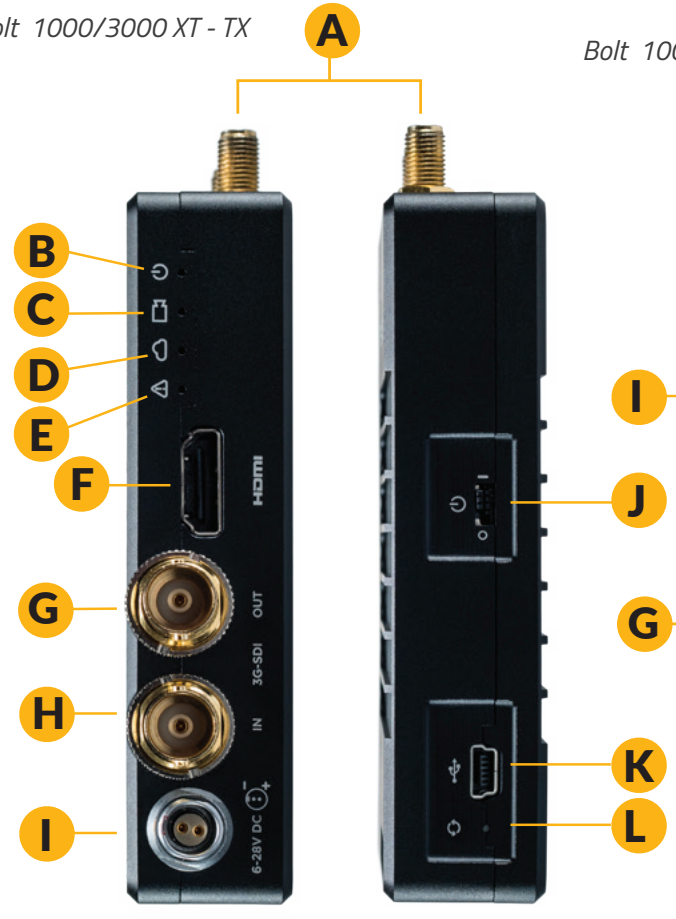
BOLT XT

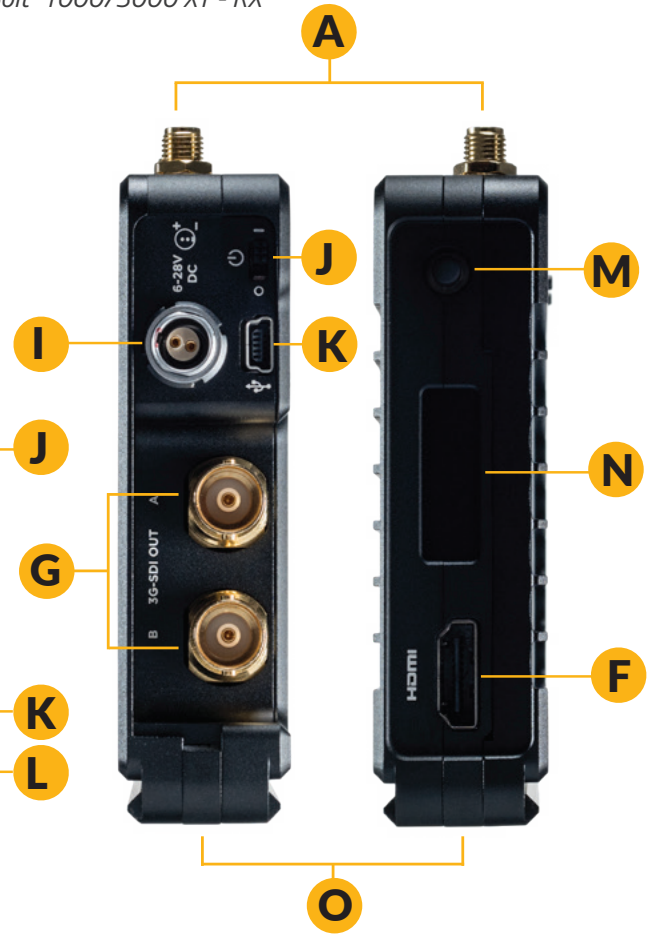
1000/3000 RX and TX
Quick Start Guide

PHYSICAL PROPERTIES

Bolt 1000/3000 XT - TX



Bolt 1000/3000 XT - RX



A: RP-SMA connectors
B: Power status LED
C: Video status LED
D: Link status LED
E: Fault LED
F: HDMI input
G: 3G-SDI output
H: 3G-SDI input
I: Power input
J: Power switch
K: Mini-USB
L: Reset button
M: Menu joystick
N: OLED display
O: NATO rail

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POWER AND CONNECT

1. Connect the output from your video source to either the SDI or HDMI input **(H or F)** on the Bolt transmitter. Connect either the SDI or HDMI output **(G or F)** from the Bolt receiver to the video input on your monitor.
   NOTE: If mounted upright on a stand above the monitor, use a right-angle SDI adapter to relieve any strain caused by the weight of the cable, and to avoid damaging the SDI output's internal connectors.
2. Power the Bolt transmitter and receiver with the included A/C adapter, or if both devices are equipped with battery plate accessories, attach a compatible battery (Gold or V mount for the receiver, LP-E6 or Sony L-series for the transmitter).
3. Attach the two TX antennas to the transmitter and the five RX antennas to the receiver via the threaded RP-SMA connectors **(A)**.
4. Move the power switches on both the transmitter and receiver **(J)** to the ON position. Video appears within a few seconds.

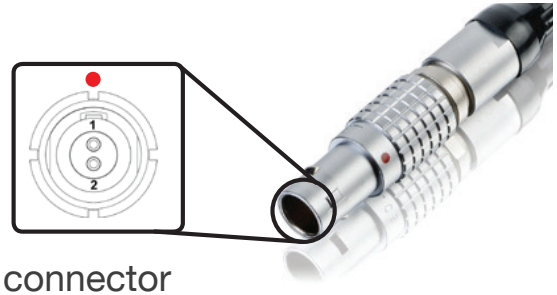
DEVICE OPERATION

- Keep the transmitter and receiver at close range for 60 seconds after powering on the devices. This allows them to scan for and select the best wireless channel.
- For best results when using multiple Bolt systems in the same area, place the transmitters and receivers a few feet apart from each other.
- Operation of other wireless equipment may interfere with the Bolt. Try to separate other wireless transmitters and receivers as much as possible.

BOLT CONNECTOR/PIN-OUT

Bolt uses a 2–pin power connector

Pin	Description
1*	GND
2	+DC



* Pin 1 is closest to the red dot on the connector

CUSTOM/THIRD PARTY CABLES

- Test the power cable polarity with **ONLY** the power cable connected to Bolt. Do not connect video cables.
- Check the power cable for shorts and proper grounding.

CAUTION: Using a reverse polarity or improperly–constructed power cable can damage the product and is not covered under warranty.

MOUNTING

Bolt has a 1/4”-20 threaded hole on the bottom for mounting the included light stand adapter or any other mounting accessory.

- Mount the Bolt transmitter vertically, keeping the antennas clear of any obstructions.
- Orient the transmitter and receiver antennas so they are parallel to each other.
- For best results, orient the transmitter antennas so each one has clear line–of–sight to the receiver.

CAUTION: DO NOT OVERTIGHTEN SCREWS INSERTED INTO THE TRANSMITTER’S 1/4”-20 THREADED HOLE. Doing so can damage the transmitter’s chassis and internal components, voiding the warranty.

Bolt XT receivers can be mounted vertically on a light stand or monitor.

Bolt XT transmitters mount vertically on a camera

DISPLAY OPERATION

Receiver Status Screens - Cycle through status screens or return from the menu by pressing the Menu joystick **(M)**.

- **Main Status Screen -** This screen displays the status of the wireless receiver, along with the current video resolution, frequency, link quality (if connected).
- **Time Code Screen -** Displays the current time code if received from the transmitter.
- **Temperature Status Screen -** Displays the current internal temperature of the unit.
- **TX Info -** Displays the name of the transmitter.

Menu Operation - Launch, then navigate through the menu with the Menu joystick **(M)**.

- **HDMI/SDI Out Format -** Select the video output format. You can choose to match the video source resolution by selecting **Same as Input**, or choose from the resolutions listed.
- **3D LUT Settings -** Select and apply a specific look.
- **Spectrum Analyzer -** Determine which frequencies are available to use.
- **Channel Selection -** Select a bandwidth or frequency option
- **Test Pattern -** Select a video format to output a test pattern. Remove the test pattern by pressing left on the Menu Joystick.
- **Pairing -** Pair your receiver with another transmitter. Once **Pairing** is activated on the receiver, turn on the transmitter and use a paper clip to hold the reset button **(L)** for one second and release. The warning and link LEDs will blink to indicate that pairing is active.
- **Audio Settings -** Configure Bolt's Audio settings. If **Beep on REC** is activated, you will hear a short tone whenever the camera begins or stops recording. The Mute Settings allow you to select between completely muting the audio, not muting the audio, or muting the audio while recording.

- **Video OSD Settings -** Choose when to display the OSD. By default, the OSD is displayed when no video is received. Selecting the **Never show** option disables the OSD. The **Show when operating** option hides the OSD until it is activated by the joystick. Selecting **Show when no video** will display the OSD when there is no video feed, and will hide OSD when video appears (default). If **Always show OSD** is selected, the OSD will always be displayed unless temporarily deactivated by the Menu joystick.
- **Display Settings -** Use the Display Settings to control the OLED display operation. You can set the display to invert every 30 minutes (lengthens the display life), or it can dim or turn off after 10 seconds or 10 minutes.
- **Keys/Unit Orientation -** Modify the operation of the joystick to correspond with the way the receiver is mounted (horizontal or vertical).
- **Reset All Settings -** Reset all configurable options to their factory defaults.
- **Device Info -** Displays the model and serial number.

BOLT MANAGER

Bolt Manager allows you to configure, pair, and upgrade your Bolt device. Bolt Manager is available as software for Mac and Windows at www.teradek.com/pages/downloads, or for purchase as a standalone device. **NOTE: Available configuration settings will differ between Bolt models.**

The following configuration settings are available:

- **SELECT REGION -** Configure Bolt to comply with your region's regulations governing use of the 5GHz spectrum.
- **SELECT FREQUENCIES -** Configure the transmitter and receiver to use the same frequencies.
- **SELECT TX NAME -** Modify the transmitter's name to make it easier to identify among other Bolt systems that are present.
- **SELECT QUALITY -** Modify or balance the range and reliability of your signal. Select **Maximum Range** when other sources of interference might be present, or **Maximum Quality** for complex, high contrast situations.
- **SELECT BROADCAST MODE -** Increase transmission range and prevent multiple receivers from interfering with each other when placed close to one another.

Teradek regularly releases new firmware versions to improve performance, add new features, or to fix vulnerabilities. Visit teradek.com to update your device with the latest firmware.

NEED MORE HELP?

SUPPORT: http://support.teradek.com → Contains tips, information and all the latest firmware & software updates.

TERADEK SUPPORT STAFF: support@teradek.com or call 888-941-2111 ext. 2 (Mon-Fri 6am to 6pm PST)

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