



BOLT PRO 2000

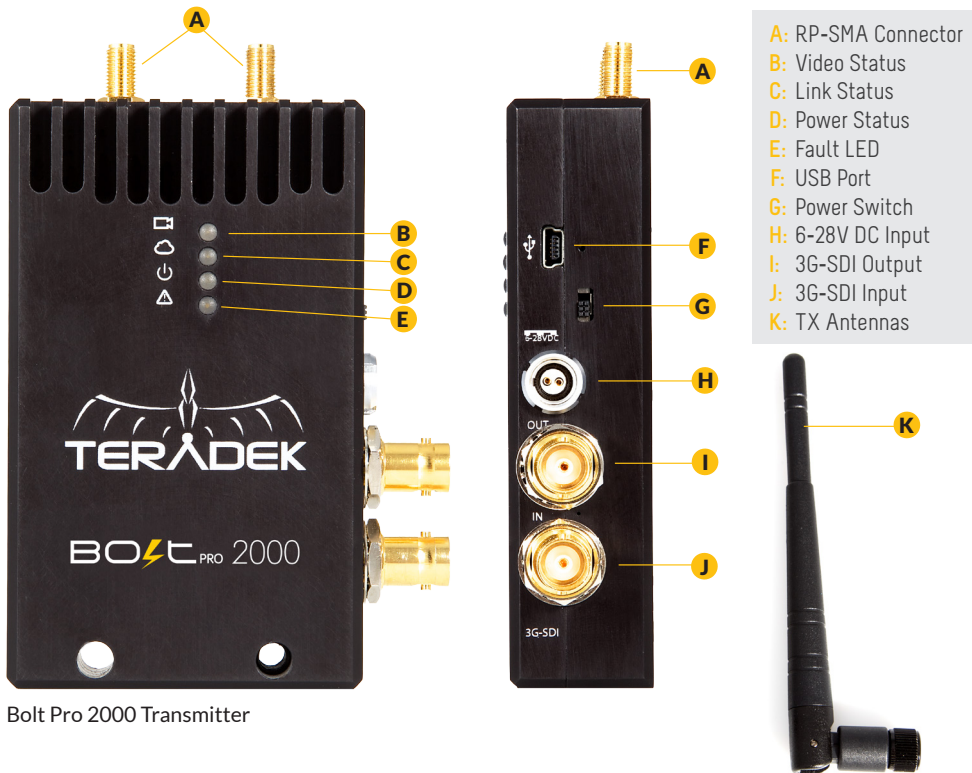
Uncompressed Long-Range Wireless HD Video

The Bolt Pro 2000 is a zero delay wireless video transmission system designed for the most demanding cinema, broadcast, and UAV applications. At less than 1ms latency, Bolt Pro 2000 can transmit 1080p60 4:2:2 video at up to 2000ft line of sight over the unlicensed 5GHz band.



- A: RP-SMA Connector
- B: Power Status
- C: Video Status
- D: Link Status
- E: Fault LED
- F: Power Switch
- G: 7-17V DC Input
- H: Battery Mount
- I: 3G-SDI Outputs
- J: RX Antennas

Bolt Pro 2000 Receiver



- A: RP-SMA Connector
- B: Video Status
- C: Link Status
- D: Power Status
- E: Fault LED
- F: USB Port
- G: Power Switch
- H: 6-28V DC Input
- I: 3G-SDI Output
- J: 3G-SDI Input
- K: TX Antennas

Bolt Pro 2000 Transmitter

CONNECT AND POWER YOUR DEVICE

- 1 Connect the SDI output from your video source to the HD/3G-SDI input (J) on the Bolt transmitter. Connect either of the HD/3G-SDI outputs from the Bolt receiver to the SDI input on your monitor.
- 2 Connect power to your Bolt transmitter using the included P-Tap to Lemo cable. Power the Bolt receiver with the included A/C adapter or battery plate accessory. If using the battery plate, connect a compatible battery (AB Gold mount or V-Lock) to the plate, and connect the short cable from the plate to the receiver's DC input (G).
- 3 Attach the two larger TX antennas (K) to the transmitter and the five smaller RX antennas (J) to the receiver via the threaded RP-SMA connectors (A).
- 4 Move the power switches on both the transmitter (G) and receiver (F) to the ON position. Video appears within a few seconds.



NEED MORE HELP?

1. Support forum: <http://support.teradek.com> → Contains tips, information and all the latest firmware & software updates.
 2. Training videos: <http://www.teradek.com/training>
- TERADEK SUPPORT STAFF: support@teradek.com or call 888-941-2111 ext2 (Mon-Fri 7am to 6pm PST)

BEST PRACTICES

BOLT LEMO CONNECTOR / PIN-OUT

Bolt uses a 0B 302 series LEMO connector (FGG.0B.302.CLADxx).

Pin	Description
1*	GND
2	+DC



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

CUSTOM / 3RD 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.

DEVICE OPERATION

Best Practices

- 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.
- If the receiver loses signal due to interference or it exceeds the maximum range, do not power down either device. If the devices remain powered they will reconnect more quickly.
- If either device loses power, regardless of whether or not the link was established, both must be power cycled before the link can be restored.
- 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 BP2K; for best results, separate other wireless transmitters and receivers as much as possible.

MOUNTING

- Mount the Bolt Pro 2000 transmitter vertically, keeping the antennas clear of any obstructions.
- Orient the transmitter and receiver antennas so they are parallel to each.
- For best results, orient the receiver antennas so each one has clear line-of-sight to the receiver.



Bolt Transmitter mounted vertically on a camera



Bolt Receiver mounted vertically on a monitor