



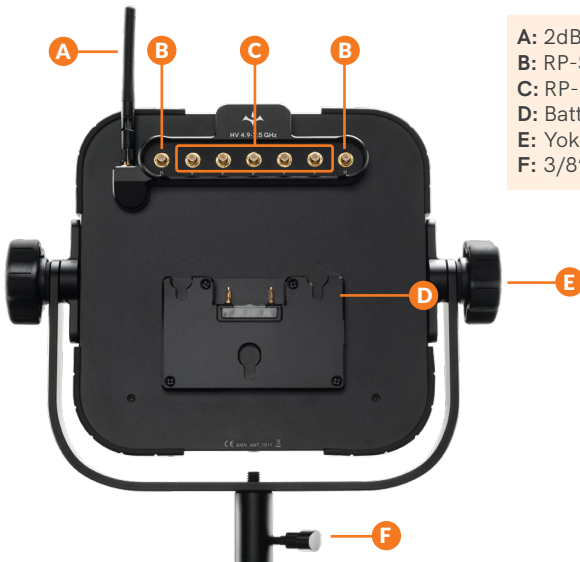
# Bolt

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Panel Antenna Version 4

Quick Start Guide

# PHYSICAL PROPERTIES



- A:** 2dBi Omnidirectional antenna
- B:** RP-SMA connectors (horizontal)
- C:** RP-SMA connectors (vertical)
- D:** Battery plate
- E:** Yoke assembly
- F:** 3/8" Light stand adapter

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## TERADEK BOLT PANEL ANTENNA V.4

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The Bolt Panel Antenna v.4 is your go-to solution for cutting through wireless interference in crowded environments. When attached to a Bolt 4K receiver, the antenna provides an extremely robust, directional signal that will ensure your transmission arrives uninterrupted. The Bolt Panel Antenna offers a more resilient wireless transmission, especially in challenging RF conditions, by focusing the signal and reducing interference. As a result, you may achieve a boost in the reception range but it will not be above the maximum range.

### WHAT'S INCLUDED

- 1x Bolt Array Antenna Assembly (Gold or V-mount)
- 5x RP-SMA Male to RP-SMA Male 4in/10cm Cable
- 1x 2dBi Omnidirectional Antenna

## POWER AND CONNECT

- 1 Connect the output from your video source to either the SDI or HDMI input on the transmitter.
- 2 Attach antennas to the transmitter.
- 3 Mount the receiver to the back of the Panel Antenna.
- 4 Mount the receiver to the back of the antenna, then connect the five RP-SMA connectors to the center connectors labeled **V** using the included extension cables. If the transmitter is using horizontal antennas, attach the receiver's two outward connectors to the antenna's two external connectors labeled **H** instead (see *images below*).



V configuration

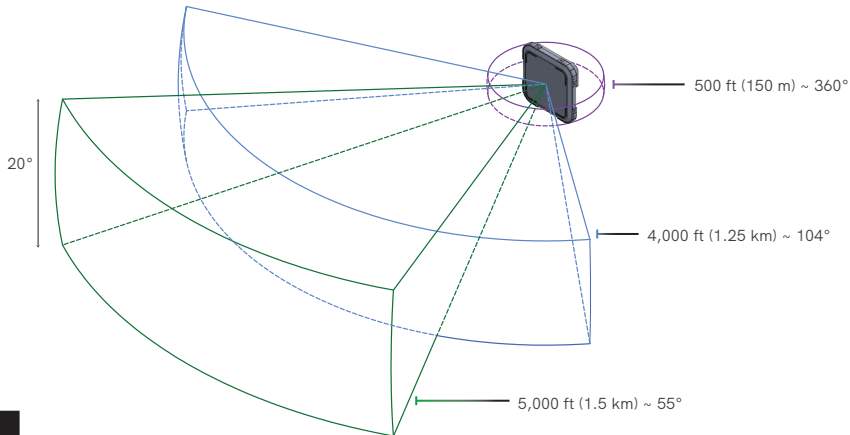


H + V configuration

- 5 Connect power to both the transmitter and receiver with the included A/C adapter or optional battery plate accessory. If using a battery plate, connect a compatible (AB Gold mount or V-Lock) battery.
- 6 Move the power switches on both the transmitter and receiver to the ON position. Video appears within a few seconds.

## ANTENNA RECEIVE PATTERN

The Bolt Panel Antenna has a built-in directional antenna with a receive pattern that varies based on its distance from the transmitter. The horizontal receive angle measures  $55^\circ$  at 5,000 ft (1.5 km),  $104^\circ$  at 4,000 ft (1.25 km), and is effectively omni directional at up to 500 ft (150 m). The vertical receive angle measures  $20^\circ$  at any distance.



## MOUNTING

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The Bolt Panel Antenna has three 3/8" threaded holes: One on the bottom for mounting the included light stand adapter or any 3/8" mounting accessory, and one on each side to mount to a yoke mount bracket assembly.

- Mount the Panel Antenna vertically, keeping it clear of any obstructions.
- Orient the transmitter and receiver so they are parallel to each other.
- For best results, orient the Panel Antenna so the front (with the Teradek logo) has a clear line-of-sight to the transmitter.

### **CAUTION:**

**DO NOT OVERTIGHTEN SCREWS INSERTED INTO THE RECEIVER'S 3/8" THREADED HOLES.** Doing so can damage the receiver's chassis, voiding the warranty.



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Teradek regularly releases new firmware versions to improve performance, add features, or fix vulnerabilities. [teradek.com/pages/downloads](https://www.teradek.com/pages/downloads) contains all the latest firmware and software updates. Visit [teradek.com/contact](https://www.teradek.com/contact) for tips, information, and to submit help requests to Teradek's support team.



