


# FreeSpeak II 1.9 GHz Transceiver Antenna

FreeSpeak II Wireless Solutions



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FreeSpeak II 1.9 GHz Transceiver Antenna

## Key Features and Benefits

- Functions with FSII base, FreeSpeak Edge base, Arcadia Central Station, E-IPA-HX cards, and FSII splitter hardware
- Supports 5 FSII-BP19 belt packs per FSII-TCVR-19 transceiver
- Supports systems with up to 65-90 belt packs when mixed with FSII-TCVR-24s
- Green LED status indicator on top and bottom
- Mic stand or wall mount orientation (metric and imperial threads)
- IP53 rating for wet and dusty conditions

FreeSpeak II® is a high performance wireless solution operating in the 1.9 and 2.4 GHz frequency bands designed for extensive communication in large-scale operations.

## Description

The FSII-TCVR-19 is an active transceiver antenna for the FSII-BP19 belt packs. The antenna can be locally powered or powered via the FSII base station or matrix on shorter connections (less than 1000 ft). The FSII-TCVR-19 has a mount for wall or microphone stand. A green status light is visible from either mounting orientations. When mixed with FSII-TCVR-24 antennas, a single radio space can support up to 65-90 FreeSpeak II 1.9 GHz or 2.4 GHz belt packs.

## Durability

The FSII-TCVR-19 is IP53 rated for wet weather or dusty conditions making them ideal for outdoor productions.

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## Capacity Chart

	Max Beltpacks	Max TCVRs	Max BPs per TCVR
FreeSpeak II Base II 5Up	5	2 (E1) 10 (via 2 FSII-SPL)	5 (E1)
FreeSpeak II Base II	25	2 (E1) 10 (via 2 FSII-SPL)	5 (E1)
FreeSpeak Edge Base	16	2 (E1) 10 (via 2 FSII-SPL)	5 (E1)
Arcadia Central Station	64	2 (E1) 10 (via 2 FSII-SPL)	5 (E1)
Eclipse HX (via E-IPA Cards)	192 Delta 200 Median/Omega	30 Delta (via 6 FSII-SPL) 40 Median (via 8 FSII-SPL) 50 Omega (via 10 FSII-SPL)	5 (E1)

\*Note: Each E-IPA Card supports up to 50 beltpacks with 10 E1 Transceivers using 2 Splitters

## Technical Specifications

### Frequency Spectrum

**USA, Canada, Mexico:** 1920-1930MHz (10 Channels)

**Transceiver Range Output Power:** 100mW

**EU, Russia, Ukraine, Singapore, Hong Kong, Australia, New Zealand,**

**South Africa:** 1880-1900MHz (10 Channels)

**Transceiver Range Output Power:** 250mW

**Japan:** 1893-1906MHz (2 Channels)

**Transceiver Range Output Power:** 250mW

**Argentina:** 1910-1930MHz (10 Channels)

**Transceiver Range Output Power:** 250mW

**Brazil:** 1910-1920MHz (10 Channels)

**Transceiver Range Output Power:** 250mW

**Chile:** 1910-1930MHz (10 Channels)

**Transceiver Range Output Power:** 70mW

**Taiwan:** 1880-1895MHz (8 Channels)

**Transceiver Range Output Power:** 250mW

**Modulation:** GFSK, TDMA frame 10ms Full and Long slot

**Output:** (EU/Russia) 10dBm average, (US): 18-20dBm

### Environmental

IP53 water and dust resistance

**Operating:** 32°-125°F (0°-50°C)

**Storage:** 32°-150°F (0°-70°C)

**Humidity:** Between 20% and 90%, Non-Condensing

### Dimensions

7 x 5.7 x 2in (HxWxD)

(178 x 144.8 x 51mm)

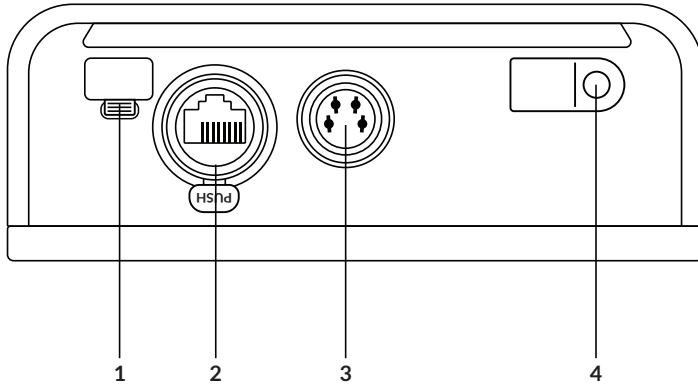
### Weight

15.9oz (0.45kg)

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## FSII-TCVR-19 Bottom Panel



### Legend

1. USB (factory use)
2. Ethernet RJ45 (base/matrix connection)
3. DC In
4. Mode Button

### Order Codes

**FSII-TCVR-19-US:** Active Antenna approved for use in USA and Canada

**FSII-TCVR-19-EU:** Active Antenna approved for use in the EU

**FSII-TCVR-19-J:** Active Antenna approved for use in Japan

**FSII-TCVR-19-LA:** Active Antenna approved for use in Argentina

**FSII-TCVR-19-B:** Active Antenna approved for us in Brazil

**FSII-TCVR-19-TW:** Active Transceiver approved for Taiwan

**FSII-TCVR-19-CH:** Active Transceiver for use in Chile

