


FreeSpeak II 2.4 GHz Transceiver Antenna

FreeSpeak II Wireless Solutions



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FreeSpeak II 2.4 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 4 FSII-BP24 beltacks per FSII-TCVR-24 transceiver
- Supports systems with up to 65-90 beltacks when mixed with FSII-19-TCVRs
- Blue 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-24 is an active transceiver antenna for the FSII-BP24 beltacks. The antenna can be locally powered or powered via the FSII-BASE or matrix on shorter connections (less than 1000 ft). The FSII-TCVR-24 has a mount for wall or microphone stand. A blue status light is visible from either mounting orientations. When mixed with FSII-TCVR-19 antennas, a single radio space can support up to 65-90 FreeSpeak II 1.9 GHz or 2.4 GHz beltacks.

Durability

The FSII-TCVR-24 is IP53 rated for wet weather or dusty conditions making them ideal for outdoor productions.

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Capacity Chart

	Max Number of Supported Beltpacks	Max Number of Supported TCVRs	Max Number of BPs per TCVR
FreeSpeak II Base II 5Up	5	2 (E1) 10 (via E1 Splitters)	5 (E1: 1.9 GHz) 4 (E1: 2.4 GHz)
FreeSpeak II Base II	25	2 (E1) 10 (via E1 Splitters)	5 (E1: 1.9 GHz) 4 (E1: 2.4 GHz)
FreeSpeak Edge Base	16	2 (E1) 10 (via E1 Splitters)	5 (E1: 1.9 GHz) 4 (E1: 2.4 GHz)
Arcadia Central Station	40	2 (E1) 10 (via E1 Splitters)	5 (E1: 1.9 GHz) 4 (E1: 2.4 GHz)
Eclipse HX (via E-IPA Cards)	192 Delta 200 Median/Omega	30 Delta (via E1 Splitters) 40 Median (via E1 Splitters) 50 Omega (via E1 Splitters)	5 (E1: 1.9 GHz) 4 (E1: 2.4 GHz)

*Note: Each E-IPA Card can support up to 50 BPs and 10 TCVRs (E1)

Technical Specifications

Frequency Spectrum: 2.400-2.483MHz for EU and US Cellular auto roaming technology

Modulation: GFSK, TDMA frame 10ms Full slot

Output power: (EU): 18dBm, (RoW): 22dBm

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

15.7oz (0.45kg)



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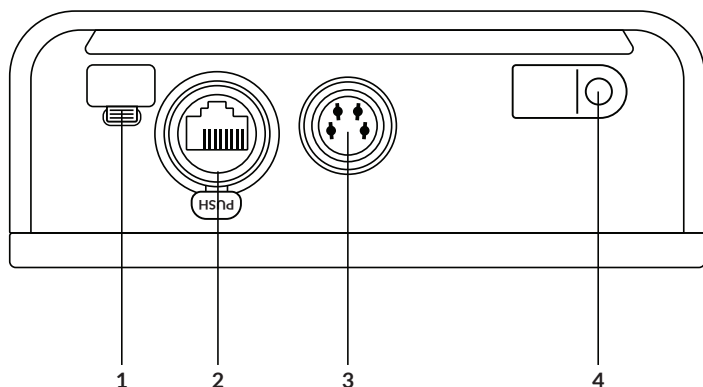
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FSII-TCVR-24 Bottom Panel



Legend

1. USB (factory)
2. Ethercon RJ-45 (base/matrix connection)
3. DC In
4. Mode button

Order Codes

FSII-TCVR-24: Active Antenna approved for use in USA, Canada and world wide sales except EU

FSII-TCVR-24-EU: Active Antenna approved for use in the EU



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