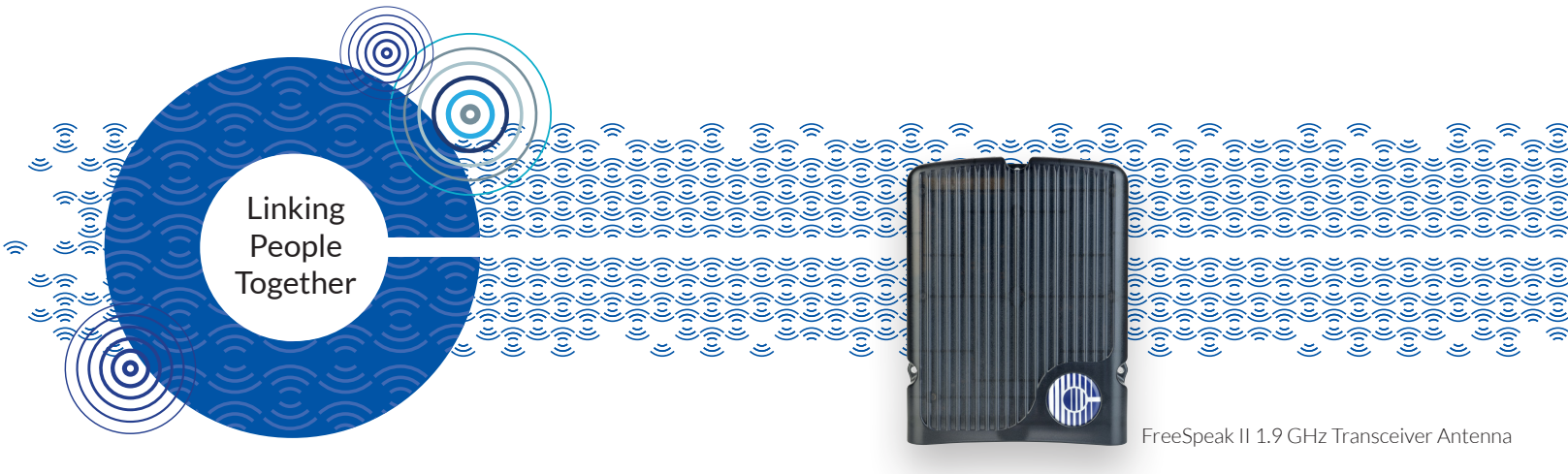
FreeSpeak II 1.9 GHz Transceiver Antenna

FreeSpeak II Wireless Solutions



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 beltpacks per FSII-TCVR-19 transceiver
- Supports systems with up to 65-90 beltpacks when mixed with FSII-24-TCVRs
- 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 beltpacks. 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 beltpacks.

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 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

USA, Canada, Mexico: 1920-1930MHz
Transceiver Range Output Power: 100mW
EU, Russia, Ukraine, Singapore, Hong Kong, Australia, New Zealand, South Africa: 1880-1900MHz
Transceiver Range Output Power: 250mW

Japan: 1893-1906MHz
Transceiver Range Output Power: 250mW

Argentina: 1910-1930MHz
Transceiver Range Output Power: 250mW

Brazil: 1910-1930MHz
Transceiver Range Output Power: 250mW

Chile: 1910-1930MHz
Transceiver Range Output Power: 70mW

Taiwan: 1880-1895MHz
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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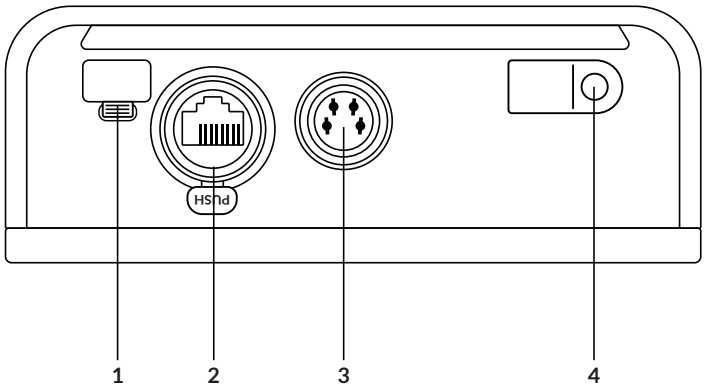
FSII-TCVR-19 Bottom Panel



Legend

1. USB (factory use)
2. Ethercon 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

www.clearcom.com/
freespeakii-knowledge-center/

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