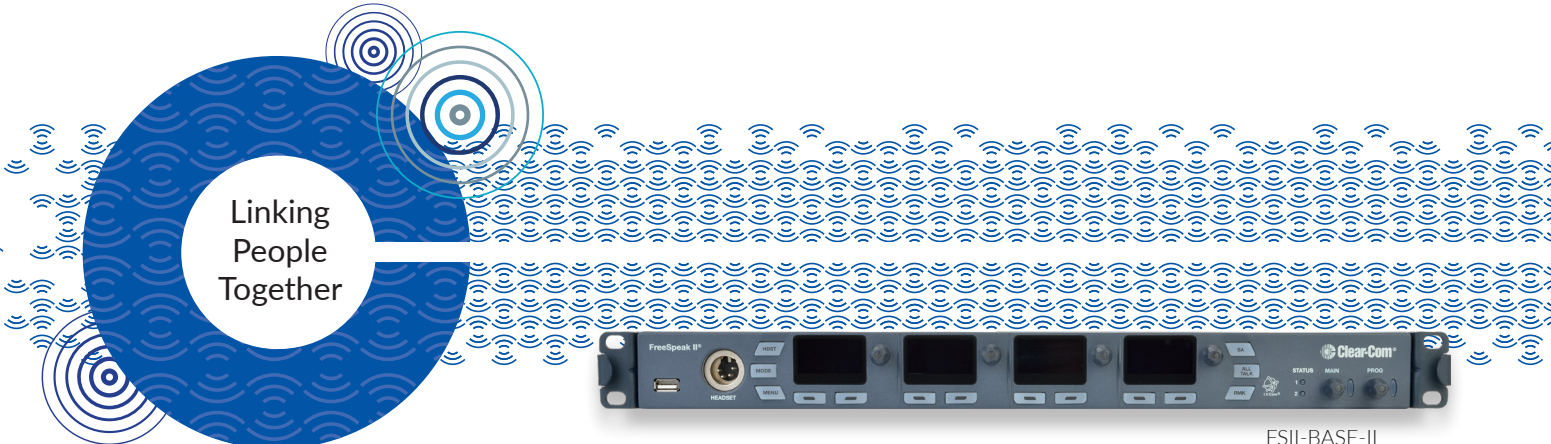


FreeSpeak II Base Station

FreeSpeak II Wireless Solutions



Linking
People
Together



FSII-BASE-II

Key Features and Benefits

- Routing and configuration of up to 25 FSII belt packs (See Product Line System Capacity chart)
- Fiber transceiver connections, supports two fiber enabled FSII splitters
- Browser configuration client works on any device or PC
- Four 2-wire ports with call signal, auto nulling (supports Clear-Com and RTS)
- Supports 2 transceivers natively and up to 10 transceivers via FSII splitters (FSII-SPL)
- Multi-mode user interface has monitoring, setup and main station modes with assignable soft keys
- Supports both 1.9 GHz and 2.4 GHz FSII belt packs
- Matrix and partyline configurations support up to 12 channels and/or groups
- DECT Sync ports for optimizing co-located systems
- RF Audio Filter improves system performance in harsh RF environments
- Call-on-Talk
- Text messaging from CCM to wireless belt packs

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

Description

The FreeSpeak II BASE II is a base station for the wireless FreeSpeak II 1.9 GHz and 2.4 GHz active transceivers and belt packs. The FSII-BASE-II has four 2-wire connections for analog partyline connection, four 4-wire audio connections and four displays with soft keys. Dedicated stage announce (SA) output and program audio input are provided.

Operation

A single base station can operate using a mix of both 1.9GHz and 2.4GHz FreeSpeak II active antenna transceivers to support up to 25 1.9 GHz and/or 2.4GHz belt packs and 10 active transceivers via two transceiver splitters (FSII-SPL). The user interface supports system configuration and system monitors along with a main station mode with Talk and Call soft keys. A dedicated headset jack is included for communications and monitoring from the front panel. Access to channels and other functions are assignable through the menu on the base station or through the Core Configuration Manager (CCM) browser-based tool.

Core Configuration Manager with InSite

The Core Configuration Manager (CCM) for the FSII-BASE-II is an integrated, browser-based software utility supported on the latest versions of all major web browsers for enabling rapid setup, configuration and monitoring. The intuitive and consistent design facilitates a quick and simple means of configuring the FSII-BASE-II with convenient role-based configuration of belt packs, including save and restore, text messaging, individual belt pack and group call signal and remote mic kill.

InSite live monitoring and telemetry of belt packs and transceivers provides a better user experience for both audio performance and ease of use for all users.

InSite includes tools for technical administrators to track belt pack roaming between cellular transceivers and quality of service over time, thus helping to tune the system for best operation.

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Product Line System Capacity

	Max Number of Supported Beltpacks	Max Number of Supported TCVRs	Max Number of BP's per TCVR
FreeSpeak II Base II-5	5	2 (E1) 10 (Via FSII Splitter)	4 (E1)
FreeSpeak II Base II	25	2 (E1) 10 (via FSII Splitter)	4 (E1)
FreeSpeak Edge Base Station	16	10 (E1)	4 (E1)
Arcadia Central Station	40	10 (E1)	4 (E1)
Eclipse HX (via E-IPA Cards)	200 Delta/Median/Omega	192 Delta (IP) 256 Median (IP) 320 Omega (IP)	4 (E1)

Note: Each E-IPA Card can support up to 64 FreeSpeak family BPs or TCVRs

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)

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

Technical Specifications

Base-to-Beltpack Frequency Response: 100Hz - 7.1kHz
No. of Beltpacks per Base Station: 25
No. of Transceiver/ Antennas Supported by Base: 10
No. of Active Transceiver Ports: 2, one port can remotely power up to 1 FSII splitter or 1 FSII transceiver
PC Programming Port: 2 LAN RJ45
Relay Port: DB15, supports one relay assigned to the SA out
Partyline A ,B,C,D (each): XLR-3F, on/off termination switch, Clear-Com and RTS compatible
Partyline Power On/Off: A/B, C/D paired
Partyline Output Voltage: 26 - 28VDC, 400mA per pair (A/B or C/D)
4-Wire/Matrix Connection: 4 RJ-45
Program Input: XLR-3F, transformer isolated, line-level input
Stage Announce Output: XLR-3M, transformer isolated, line-level output
Front Panel Headset: 4-pin male and 5-pin female options
Front Panel Displays: 4 OLED's with encoders and assignable soft keys

Front Panel Indicators: Antenna Status, Beltpack Status
External Power Supply Connection: 12VDC
Base Station Programming/Editing: Push-to-enter rotary encoder

Power

Input: 100-240V AC, 1.4A max
Output: 12V DC, 60W, 5A
Current Draw: 12V, 4A max, 48W max

Dimensions

1.75 x 19.0 x 10.2 in (HxWxD)
 (44 x 483 x 259 mm)

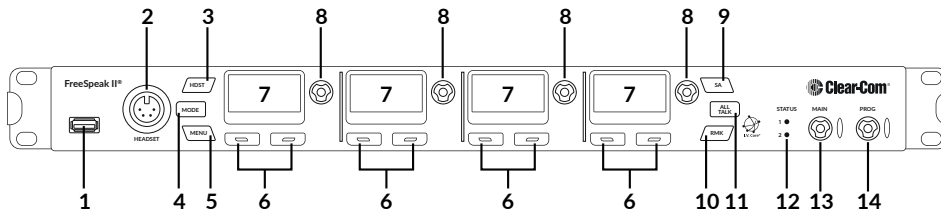
Weight

5.57 lbs (2.5 kg)

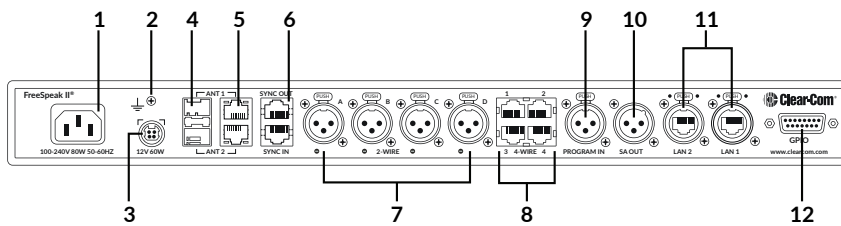
FreeSpeak II Base Station

FreeSpeak II Wireless Solutions

Front Panel



Back Panel



Legend

Front Panel

1. USB
2. Headset Connector
3. Headset Button
4. Mode Button
5. Menu Button
6. Soft Keys
7. Displays
8. Rotary control encoders
9. Stage Announce
10. Remote Mic Kill
11. All Talk
12. Status LEDs
13. Main Level Encoder
14. Program Level Encoder

Back Panel

1. IEC Power Connection (110-230 VAC)
2. Grounding Screw
3. External power supply connection
4. Fiber Transceiver connections (SFP)*
5. Copper Transceiver connections (RJ45)
6. DECT SYNC connections (RJ45)
7. 2-wire connections A,B,C,D (XLR3M)
8. 4-wire connections, 1,2,3,4 (RJ45)
9. Program In (XLR3M)
10. Stage Announce Out (XLR3M)
11. LAN1, LAN2, (Ethercon RJ45)
12. GPIO relays (DB15F)

Order Code

FSII-BASE-II

FSII-BASE-II-UPG



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freespeakii-knowledge-center/](http://www.clearcom.com/freespeakii-knowledge-center/)



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Notice About Specifications | While Clear-Com makes every attempt to maintain the accuracy of the information contained in its product manuals, that information is subject to change without notice. Performance specifications included in this manual are design-center specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary.

WARNING: Cancer and Reproductive Harm - www.P85Warning.ca.gov