Linking
People
Together

FreeSpeak II ™ -24

FreeSpeak II Beltpack

Key Features and Benefits

· Over 1400ft range in good radio conditions
· 1.9 and 2.4GHz beltpacks operate on a single system
· Up to 65 – 90 beltpacks on a single system
· "Listen Again" message replay
· Simple 2-channel partyline operation to 5-channel intercom on the same beltpack
· Over-the-air beltpack registration
· 18+ hour battery life or USB port for continuous operation
· XLR-4M, XLR-5F or XLR-7M headset connector options
· IP-65 rating for wet and dusty conditions
· Built-in flashlight

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

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Operation

The FSII-BP24 can connect to the FreeSpeak II base station or to Eclipse HX card frame matrices using the E-QUE-HX interface card. FSII-BP24 users can roam seamlessly between FSII-TCVR-24 antennas over wide areas. The "Listen Again" feature allows users to replay earlier commands, eliminating the need to repeat communication or disturb productions. FSII-BP24 have continuous reception over a 1400ft range in good radio conditions.

Increase System Size

The FSII-BP24 can be mixed with FSII-BP19 on the same system, increasing the quantity of beltpack users in a single radio space. In the US, between 50 – 65 users can operate on a single system, while the rest of the world can have between 70 - 90 users in the same radio space.

Durability

The FSII-BP24 are IP-65 rated for wet weather or dusty conditions making them ideal for outdoor productions. For better grip and protection, the beltpacks have a rubberized over-mold to protect from the most rugged environments.

Battery Life and Charging

Using the BAT60 Li-Ion battery, the FSII-BP24 has 18+ hours of battery life. Using an alternative set of 3 AA cells, the battery life is 6-9 hours. The beltpacks also include an USB charging port for recharging or for continuous powered transmissions.

ComtronICS

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Available from

COMTRONICS

Clear-Com®
AN HME COMPANY

Technical Specifications

Audio

Audio Bandwidth: 200Hz-7.5KHz

No. of Full-Duplex Audio Paths: Up to 5 with individual level control (2 dedicated rotaries, 3 with menu), 2 controls and a main volume

Mode of Operation: Full duplex on all routes

Level/Talk Controls: 4 pushbuttons, a reply button and 2 rotary controls

Enter/Answer-Back Button: 1

Radio

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

Range: Up to 1475ft (450m) in good radio frequency conditions, 800 feet typical

Battery: Li-Ion or 3 AA alkaline cells

Battery Charging: Drop-in charger (AC60) or local USB

Battery Life: 18+ hours with Li-Ion; 9 hours with 3 x Alkaline AA cells

Headset Connector: 4-pin male, Clear-Com standard, options for 5-pin female and 7-pin male with PTT

Microphone Type: Electret and Dynamic, selectable in beltpack menu

Headset Limiter: Selectable from beltpack menu

Environmental

IP-65 water and dust resistance

-67°F to +158°F

(-55°C to +70°C)

Dimensions

Tapered design at largest points

5 x 1.5 x 3.75in

(130 x 45 x 97mm) (DxWxH)

Weight

9.0 oz (0.4kg) including batteries

Beltpack Legend

1. Volume Control
2. Power Button
3. Reply Button
4. Menu Button
5. Shoulder Strap Hook
6. Belt Clip
7. Battery Door
8. Channel A
9. Channel C
10. LCD
11. Channel D
12. Channel B
13. Flashlight
14. Flashlight Switch
15. Headset Connector
16. USB and Audio Jack Connectors

Order Codes

Part Number and Description

FSII-BP24-X4:   Beltpack with XLR-4M headset connector, approved for use in USA, Canada and world wide sales except EU

FSII-BP24-X5:   Beltpack with XLR-5F headset connector, approved for use in USA, Canada and world wide sales except EU

FSII-BP24-X7:   Beltpack with XLR-7M headset connector, approved for use in USA, Canada and world wide sales except EU

FSII-BP24-X4-EU: Beltpack with XLR-4M headset connector, approved for use in the EU only

FSII-BP24-X5-EU: Beltpack with XLR-5F headset connector, approved for use in the EU only

FSII-BP24-X7-EU: Beltpack with XLR-7M headset connector, approved for use in the EU only

Available from

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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.