



MAX
Xplorer

Wireless Intercom Beltpack

**TAKING WIRELESS INTERCOM
TO THE NEXT LEVEL**





General Description

Xplorer MAX is a wireless Intercom beltpack based on ground-breaking, high-performance digital radio technology. It comes with full intercom user-panel features and functions, with four direct access keys organized in up to 4 pages, two additional programmable keys, and a multi-function display. It can operate with any AEQ intercom matrix such as Conexia, Crossnet or TH5000. It is also integrating with Xpeak, AEQ's matrix-less Intercom system, or as a terminal for the Party-Line Easynet system.

Technical Specifications of the Radio System

Ethernet network connection via the open 5GHz radio band, enabling large-scale installations with very few access points, typically just one XMBSE1 access point, featuring:

- Frequency range: 4900-5875 MHz.
- OFDM multiplexing (Orthogonal Frequency-Division Multiplexing) with 256 carriers and BPSK, QPSK, and adaptive QAM.
- QoS with voice prioritization.
- Seamless dynamic frequency switching.
- Advanced interference control.
- Carrier aggregation technology (dual carriers).
- Transmission power: 200 mW per channel, 400 mW in total.
- Range: Up to 600 meters in open field.
- Base station capacity: Up to 20 users.
- Base station power consumption: 22 to 30W, depending on traffic.
- DC power supply with included AC adapter.
- Dimensions 210x270x70 mm.
- Operating environment: Indoor & outdoor (IP67, -30° to +55°C).

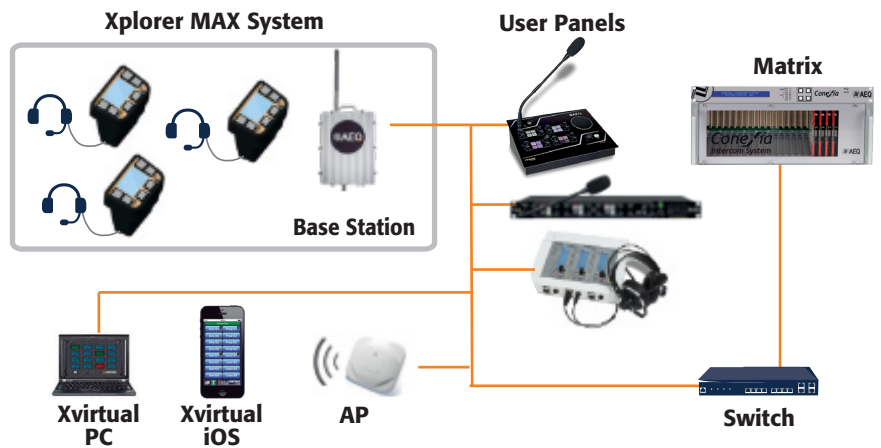


Operation with matrices

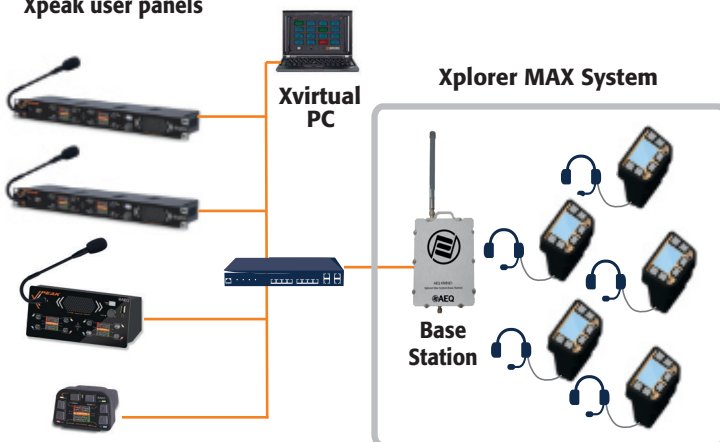
Xplorer MAX can be operate as a client and part of AEQ's intercom matrices Crossnet Conexia, and TH5000. In this mode, each key can activate commands such as Talk, Listen, Talk&Listen, Remote One Way, Remote Both Ways, Remote Volume, and Dial Call.

In this ecosystem can be added wired intercom user panels such us the 8000 and 9000 series and the Olympia 3 commentator units.

Additionally, using Xvirtual application, it can connect with: intercom user panels on iOS devices (iPad and iPhone) and Windows PCs.



Xpeak user panels



Matrix-less Operation

Xplorer MAX can also be used in matrix-less Xpeak systems. In this mode, each key can activate the same commands as when in matrix mode.

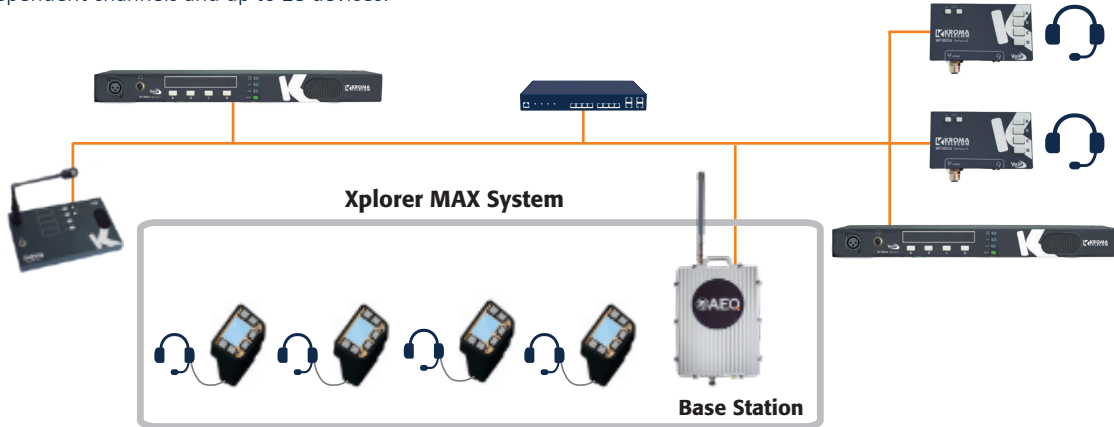
This type of systems are normally built with:

- Wired user panels Xpeak_R and Xpeak_D.
- Wired beltpacks Xpeak_BP.
- Virtual panel for PC Xpeak Virtual.
- Input and output interfaces Xpeak_IF.



Party-Line Mode

Xplorer MAX also operates in Party-Line mode without the need for a matrix, functioning as a terminal in the Easynet system, with 4 independent channels and up to 28 devices.



User Interface

The device features four direct access keys and two additional programmable keys for Menu, Mute, Paging, and other functions. These surround a multifunction screen displaying: configured destinations for each key, audio level for each incoming source, battery charge level and radio signal level and other relevant information. It also includes dual assignable volume controls, allowing configuration to adjust the gain for a specific signal and the other with a general gain for the rest of signals.

Ergonomics

With a compact and lightweight design, shock- and splash-resistant, it can be clipped to a belt or worn with a strap. It is compatible with various headset types and provides up to 10 hours of battery life. Charging is done using a multi-device charging base.

A reliable, flexible, easy-to-use, and robust wireless system, ideal for complementing all types of intercom systems in television production and other professional and industrial environments.

Device description



USER INTERFACE

- 1 Programmable key. By default, Mute and access Menu to configuration options.
- 2 Status indicator.
- 3 Programmable key. By default Direct Paging.
- 4 Programmable shortcut keys, or in Party-Line mode, Channel Selection.
- 5 2.4" TFT Display.
- 6 WiFi Level indicator.
- 7 Mute indicator.
- 8 User terminal name label.
- 9 Battery level indicator.
- 10 4 LED colour signaling indicator.
- 11 Input level indicator for each peer or destination.

OTHER ELEMENTS

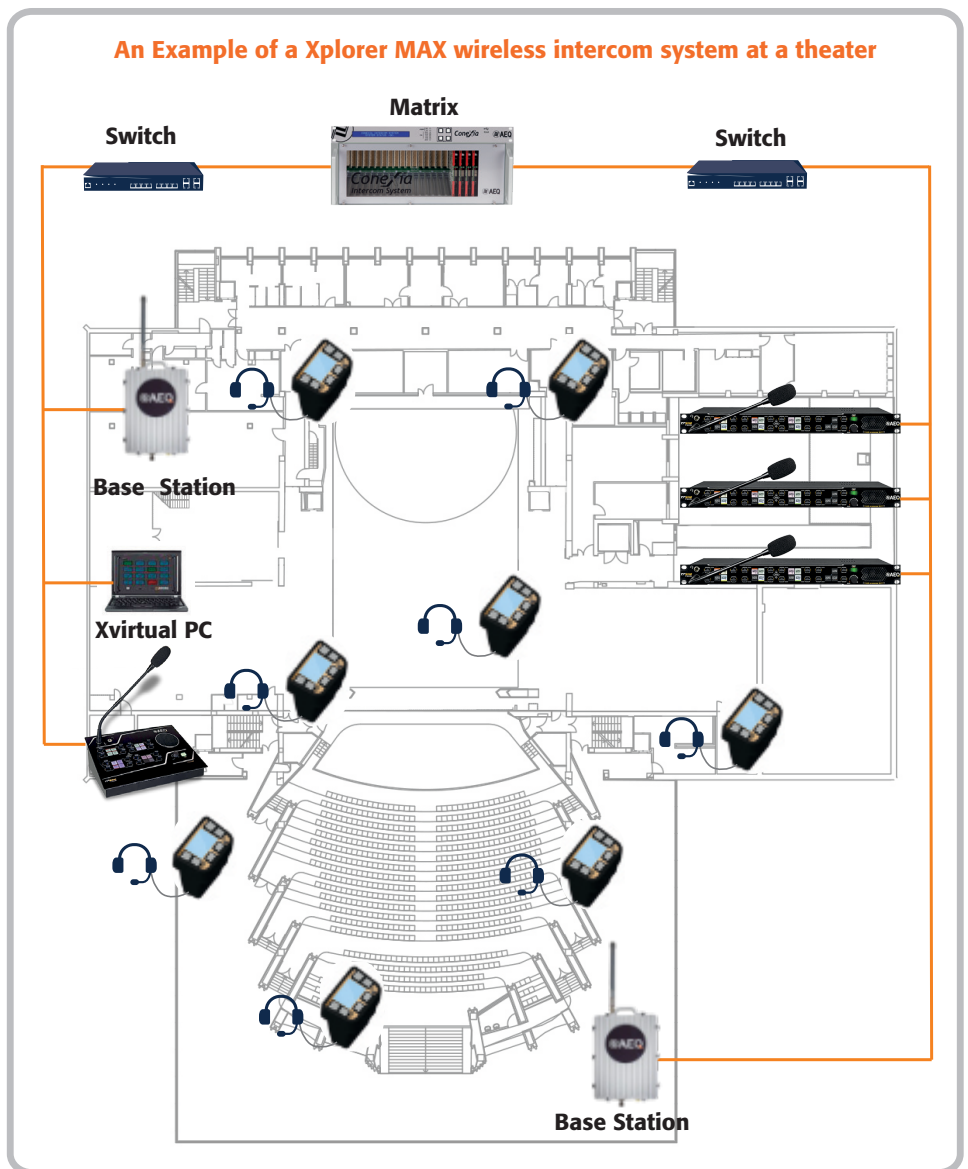
- 12 Encoders: Gain for Main, Secondary and other functions.
- 13 ON/OFF Switch (underneath).
- 14 Headset connector, Tiny-QG (Mini-XLR).
- 15 Shoulder-strap anchor points so it can be carried over the shoulder.
- 16 Belt hook.
- 17 Charging connector.
- 18 Chock resistant rubber casing.



Summary of features and Specifications

Features:

- o Connectivity: Multi-carrier digital radio system in the 5GHz band.
 - o Can operate as a client of AEQ Crossnet, Conexia, and TH5000 intercom matrices.
 - o Can work without a matrix in Xpeak and Party-Line modes.
 - o Matrix-free operation features:
 - 4 channels.
 - Each terminal can receive audio from up to 28 devices.
 - o Selectable configuration roles when connecting to an intercom matrix and an Xpeak system.
 - o Programmable front-panel keys.
 - o With a matrix: Up to four configuration pages for the four programmable keys (sixteen virtual keys).
 - o In matrix-free Xpeak mode: Up to two configuration pages for the four programmable keys (eight virtual keys).
 - o Menu key configuration options:
 - Working mode: Matrix-free Xpeak or connected to a matrix.
 - Audio codec selection.
 - Trigger level selection (noise gate).
 - Connection status information.
 - Send test tone.
 - o Audio Codecs:
 - G711, and G722, depending on the operating mode and connected matrix. It also includes the Kroma legacy VoIP K711.
 - o Key Commands:
 - Talk
 - Listen
 - Talk&Listen
 - Remote One Way
 - Remote Both Ways
 - Remote Volume
 - Dial Call
 - o Internal antenna.
 - o Water splash resistant.
- Dimensions and weight approximately:**
- o Width: 92 mm.
 - o Height: 130 mm.
 - o Depth: 70 mm.
 - o Weight: 365 g.
- Power and Charging:**
- o High-capacity internal battery: up to 10 hours of operation.
 - o Charging base for 5 devices.
 - o Charging time: approximately 3 hours.



BRXPLORIMAX264

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