AEQ NEW WIRELESS INTERCOM BELTPACK

Xplorer is using Wi-Fi technology

AEQ **Xplorer** is a reliable, user-friendly and robust wireless system suitable to be used in intercom systems for TV and remote productions. After the great acceptance of this new device at the NAB 2019 issue, we would like to speak about design and some exclusive features that make the Xplorer better than just a beltpack, but a true wireless intercom panel:

- Xplorer uses Wi-Fi with roaming technology. Roaming avoids cut offs in the communication if the beltpack users are moving from on location to another.

- It can operate as part of a system with an Intercom matrix, but also as a Party-line device, co-existing with user panels, commentary positions and SW devices.

Xplorer is equipped with a 4 shortcut keys user interface -arranged in pages-, another two programmable keys, and a multifunction display.
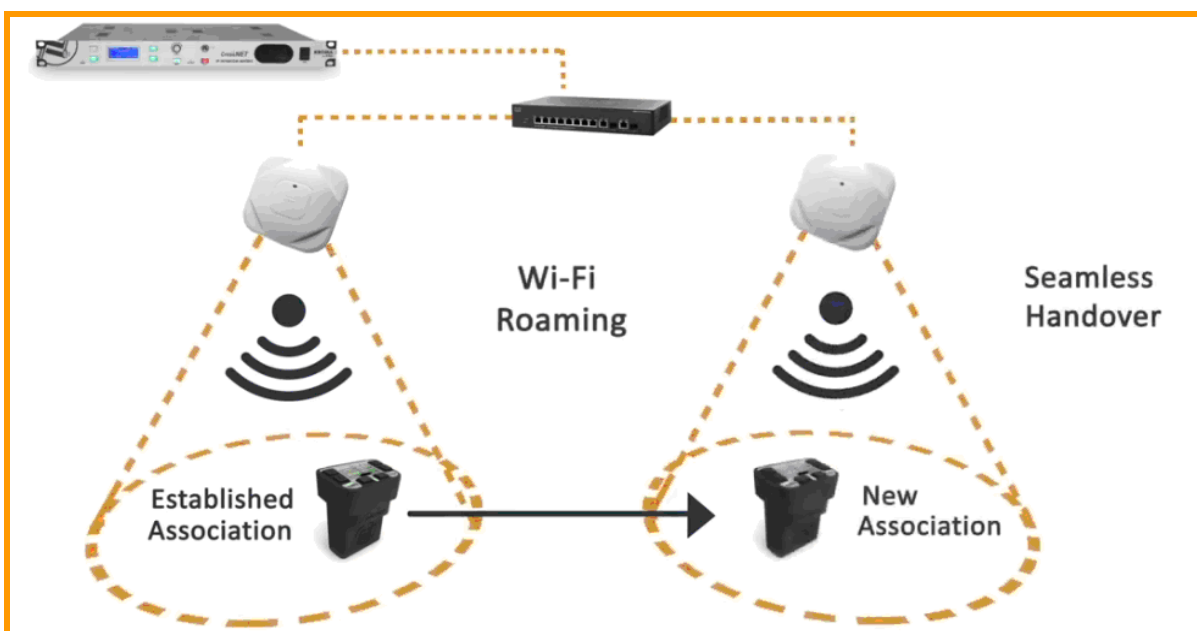
WI-FI

Wi-Fi technology is really easy to install, set up and maintain, as it is a widely used technology, worldwide deployed. In this case it is even possible to use wireless networks that are already installed for other purposes.

AEQ Xplorer Beltpack can operate in the 2.4 and 5 GHz bands, being compatible with all Wi-Fi networks existing to date in both bands up to Wi-Fi 5 (802.11a/b/g/n/ac), reaching speeds up to 433 Mbit/s for each stream. This guarantees workflow of several devices in each access point.

Nowadays, the usage of 5 GHz Wi-Fi band is recommended, due to channel availability and the fact that they don't overlap between each other. So spectrum-saturation-due to the existence of other networks and services- are minimized. The limited radio range of this band allows the system to avoid the interference with other services.

Using managed access points, the panel takes advantage of the "roaming" function, allowing the user to move freely throughout the coverage area. The system is able to exchange the customer's authentication date among access points in a transparent way and eliminate the delay due to re-association when moving from one AP to another. This solution prevents audio cut outs.
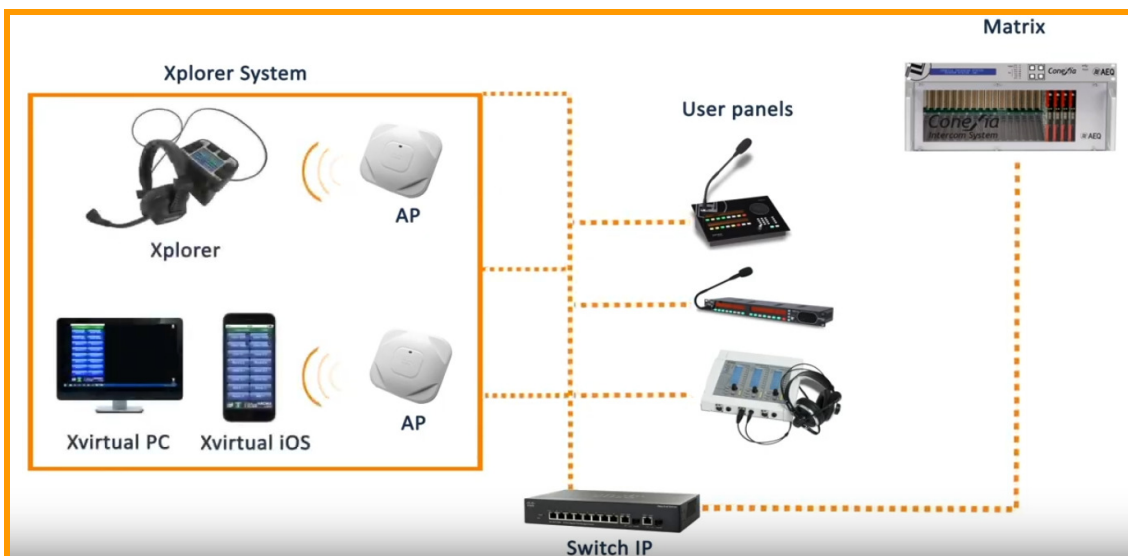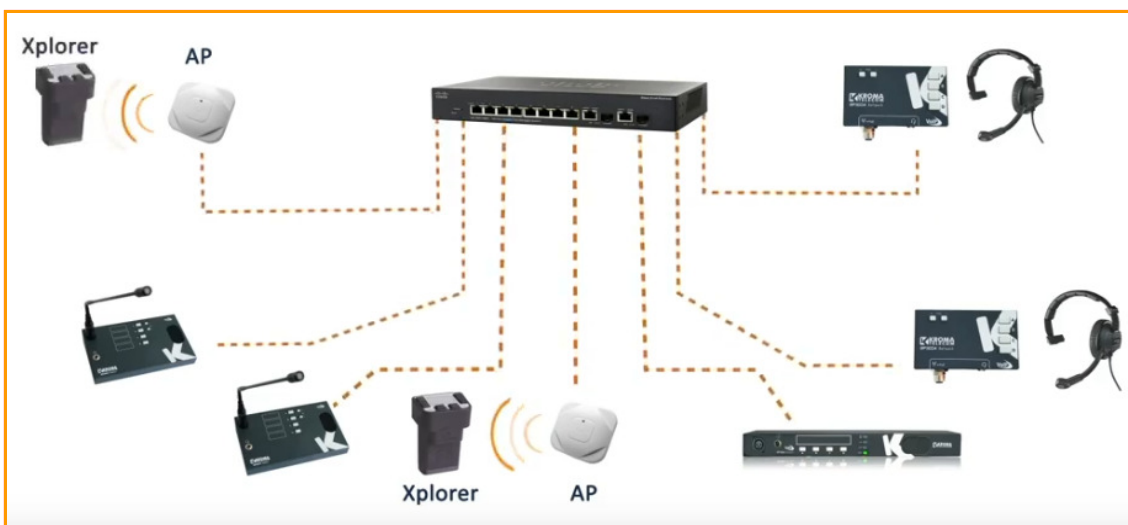
WORKFLOW

MATRIXES SYSTEMS

When **Xplorer** as a user integrated in an AEQ Crossnet, Conexia and TH5000 intercom matrix systems, each key can trigger any of the following commands: Talk, Listen, Talk&Listen, Remote One Way, Remote Both Ways, Remote Volume and Dial Call. Besides, it records and plays back the last 30 seconds of the last call.

In this system, it can talk with 8000-series user panels and also with X-virtual application terminals running on iOs and Windows devices, such as iPad, iPhone and PCs.

PARTY-LINE MODE

Xplorer can also operate in Party-Line mode, without the need for a matrix, working as a User terminal on the Easynet Party-Line System with 4 independent channels and up to 28 devices.

USER INTERFACE

Xplorer has 4 short-cut keys (x4 pages) plus two programmable keys for Menu and Mute. These are arranged around a multi-functional display that shows the configured destination for each of the keys, the audio level applied for each destination, battery charge and Wi-Fi signal levels.

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.

AEQ Xplorer features dual, assignable gain adjustment in order to provide direct access to the main destination level adjustment, for example, thus prioritizing the treatment of this destination.

It offers enough battery capacity 20 work hours, and can be charged by means of a multiple base.

Its dimensions and weight are reduced, and it is protected against shocks and spills.

The unit can be fastened to a belt or hung from a ribbon in order to carry it over the shoulder.

To summarize, Xplorer by AEQ is not just another wireless intercom system: its technology and design make it reliable, flexible, user friendly and robust. It's ideal to complement all kinds of intercom systems for both television and theater productions, as well as for other professional and industrial environments.

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