

8x8 digital audio matrix - **PXN88**

MAJORCOM:



PXN88 is an 8 in / 8 out digital audio matrix, fully programmable and linkable to a second unit to become a 16x16 matrix, with real routing from any input to any output. It can be configured and managed via Ethernet with the included Majorcom-Net Manager software, also offering many other external control options: Windows® based networked clients (a graphical, custom-made screen for each user), TP-NET third-party control protocol for the integration with external control hardware like Crestron®, AMX®, Extron®, etc., digital W-TOUCH wall panels, digital EMAGPE16 paging station, 8 GPIO ports, etc.

Recommended Amplification

- DPA Series
- DIGIPRO Series

Applications

- Centralized, distributed or hybrid fixed installation
- BGM & Paging solutions, with message priorities and source/volume independent selection
- Integration in installation global control systems
- Conferencing (automatic mixing)
- P.A. management (multi-way speaker processing, delay adjustment, etc.)
- Installations requiring remote supervision, diagnostic and adjustment via Internet
- Live sound (WiFi management is possible from a PC)

Key features

- 8 MIC/LINE balanced inputs, with phantom power selection and mono or stereo management
- 8 balanced outputs with mono or stereo management
- 2 additional monitoring outputs
- Expandable to 16 inputs / 16 outputs to become a real 16 x 16 matrix (using the digital audio bus between PXN88 units, a CAT5 connection which can handle 100 meter distances)
- 8 GPI ports (General Purpose Inputs): 0-10 VDC control inputs assignable to PXN88 functions, like volume control, MUTE, preset recall, etc.
- 8GPO ports (General Purpose Outputs): relay contacts to remote control external devices, like motors, lights, etc.
- Digital control bus for the W-TOUCH (digital touch-sensitive) wall panel and the EMAGPE16 (digital & touch sensitive paging station)
- Fully programmable and controllable via Majorcom-Net software (with a straight PC-PXN88 cable connection or by means of an Ethernet network)
- Ethernet remote control with multi-client simultaneous connections: Windows® based control screens customized for the needs of each user
- A few processing bits:
signal generator, delays, full parametric EQ filters at inputs and outputs, inputs noise gate, level, mute, phase, vu-meters, outputs compressor / limiter, ducking (priority & overriding), virtual and physical paging stations management, automatic mixer function, presets save & recovery, scheduled events triggering



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W-TOUCH



This digital touch-panel allows for source or preset selection and volume control for the selected output zone.

EMAGPE16



EMAGPE16 is a desktop paging station compatible with PXN88 digital audio matrix. With its buttons, LED indicators, electronic ink technology zone name display and gooseneck microphone, it is possible to select the destination zones for voice messages, find out if these zones are already controlled elsewhere, capture the voice message and send it in real time to the destination zones.

Key features

- 16 zone selection keys
- SELECT ALL, CLEAR and PAGE keys
- Two user-defined functions keys (for recalling presets, for example)
- Gooseneck integrated microphone
- Several EMAGPE16 or software (virtual) paging stations can work simultaneously (priorities and zones availability is managed by the PXN88 software setup)



EW-SCREEN

The EW-SCREEN is a remote control TFT touchscreen compatible with all NetManager products such as PXN88. Incorporates a capacitive 10" touch screen, a server client and UCP server (User Control Panel). When including a EW-SCREEN in a NetManager installation is not necessary to use a computer to manage connected devices, neither to have the UCP panels created for the project. Each unit could be configured to work as a single zone control panel or as a global multi-zone controller. It allows executing User Control Panels that are able to control volume, sound source selection, presets recovery, communication via TCP/UDP with external devices, etc.

BA-MIX



BA-MIX is a 2 channel micro-mixer which keeps the standard wall-panel format. It allows to mix a stereo unbalanced signal (2 x RCA) with a microphone signal (XLR).

The MIC input includes a 2 band EQ (BASS, TREBLE) and it can use the talkover function to override the line signal when the microphone exceeds the talkover detection threshold.



Majorcom-Net Manager