MTX-416

PROGRAMMABLE 4 X 16 INTERCOM MATRIX

The new Altair MTX-416 is a programmable Intercom Matrix allowing instant recall of up to 5 different presets. Each preset determines the allocation of up to 16 intercom lines into the 4 intercom channels. The Matrix operates in vertical and exclusive mode, so any intercom equipment connected to line 1 for example can be addressed exclusively to one of the 4 channels. Power to the lines is taken from the 4 intercom channels and distributed to the selected lines. The design incorporates input and output link connectors for easy X and Y expansion of number of channels and/or lines. An 8 ch to 32 lines matrix system can be done with 4 units.

The use of a Matrix in any medium to large size intercom system allows for daily instant reorganization of the full intercom functionality and the ability for easy reconfiguration by the system administrator.

The unit can also be used as an 4 in to 16 out Audio matrix and by using the reverse mode, it can be operated as a 16 in to 4 out matrix-selector operating in horizontal exclusive mode.

FEATURES

- 4 Intercom Channels to 16 lines.
- 5 Instant Recall Presets.
- Easy to use. Simple to operate.
- Daisy chain expansion in Vertical & Horizontal.
- USB interface. Logic external control.
- Compatibility to any party line intercom system.
- Operation as 4x16 or 16x4 Audio Matrix.
- Rear connectors by Phoenix TM sockets.

Easy to use.
Simple to operate.

MTX-416
APPLICATION EXAMPLE
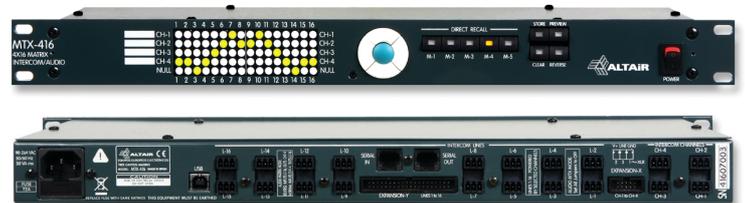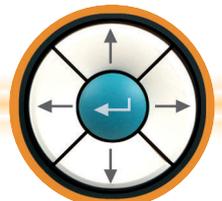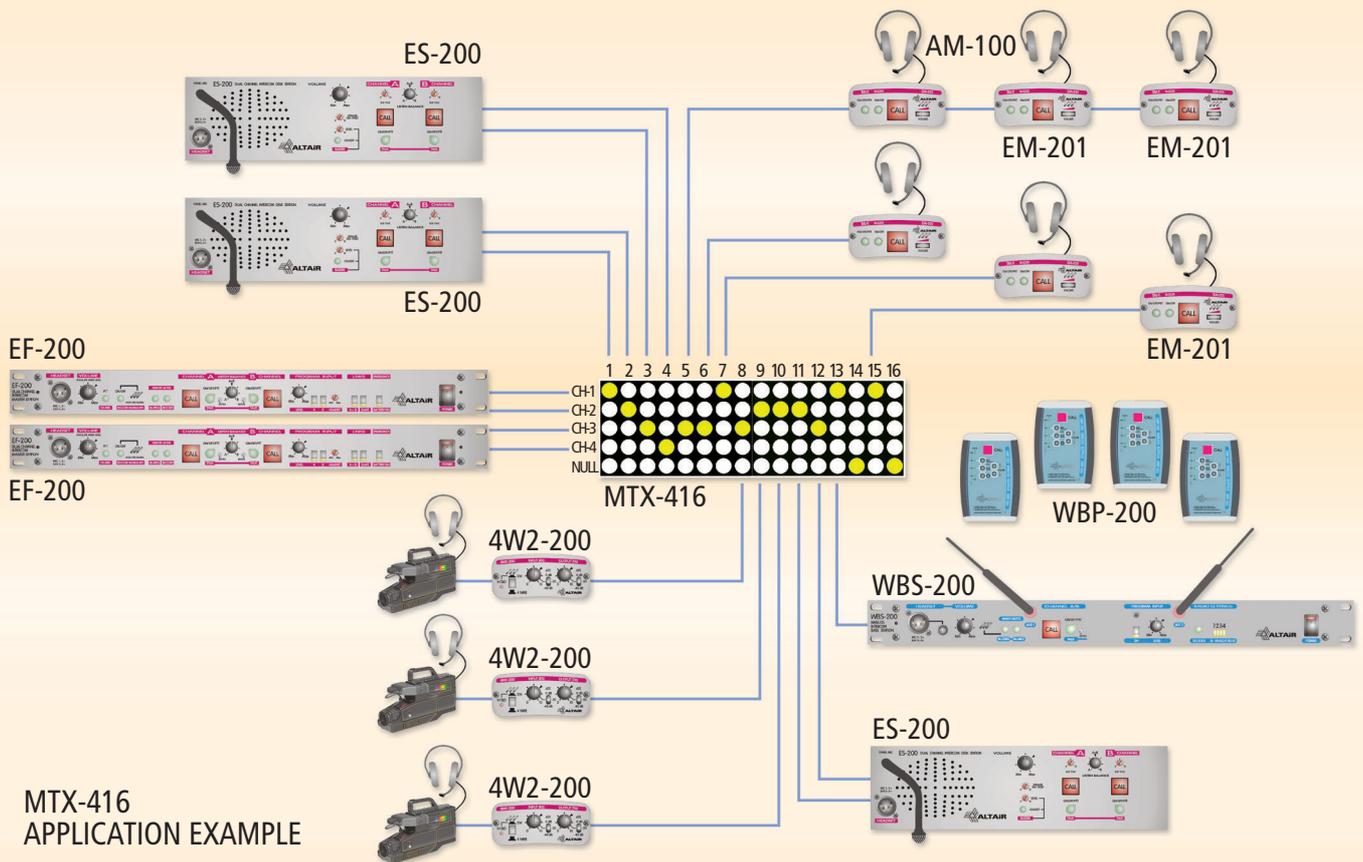
TECHNICAL SPECIFICATIONS

Input/Output connectors:
20 x Terminal Blocks, Phoenix type 3P/3,5 mm Male
12 x 3P/3,5mm Female, cable connectors, included.

Audio Bandwidth/THD+N:
DC-20Khz (0,-0,5 dB) /<0,01%.

Interchannel Crosstalk:
Better than 80 dB (20Hz to 20 KHz).

Current Capacity:
1A/30V DC max per connection.

Matrix configuration:
4x16 (x,y) switching crosspoints.

Operation Modes:
• Intercom mode (normal):
  Four Intercom channels on 16 intercom lines.

• Audio mode (normal & reverse):
  4 in x 16 out (normal)/16 in x 4 out (reverse).

X/Y Expansion:
IDC connectors (signal) and RJ45 (control).

Z Terminal:
Master/Slave per channel. Internal configuration.

Memories:
5 front panel presets and remote by USB.

Front Panel Controls & Indicators:
• 5x16 dot matrix led array.
• 5 Direct Access Recall keys.
• Function keys: Mode, Copy, Clear & Preview.

Power Requirements:
115/230 VAC/+10,-30% / 20VA.

Dimension/Weight:
482X44,5X160 mm (19"x 1U)/ 5Kg.

Specifications subjet to change without previous notice.

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