

## 8 x 8 Audio Matrix

- 8 x 8 DSP Router
- Mic / Line Inputs
- Full Digital Processing
- Compliant with BS5839 : 8
- 24V Operation
- Password Protection



The Protec Matrix 8x8 is a digital programmable audio mixer and routing unit, used to control both PA systems and VA systems, as a compliant voice alarm controller. The audio and control matrix allows for upto 8 inputs and 8 outputs (7 when used in VA mode). Configuration of the unit can be achieved through the front panel controls and displayed on the LCD screen, or setup by the use of a laptop PC.

The Matrix unit access maybe restricted and setup protected through a 5-digit numerical protection system.

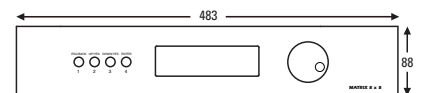
There is a range of addressable accessories including DRC (remote volume controllers), RC16 (remote I/O unit) and MP (paging microphone units) that maybe connected to the Matrix unit via its datalink CAT5 network.

### Dimensions (mm)

Top View



Front View



## Technical Specification

### Inputs

Connectors	XLR, 1 Earth, 2 Signal +, 3 Signal -
Inputs	Electronically balanced
Input Sensitivity	-54dB to +6dB user selectable
Phantom Power	48V DC user selectable
Equalisation	HF +/- 12dB LF +/- 12dB
Parametric Eq	3 bands +12dB / - 18dB

### Outputs

Connectors	XLR, 1 Earth, 2 Signal +, 3 Signal -
Outputs	Electronically balanced
Impedance	150 Ohms
Equalisation	HF +/- 12dB    LF +/- 12dB
Opto Isolated Contacts	200mA @ 24V DC

Limiter	-30dB to +3dB user selectable
Frequency Response	20Hz – 20KHz
THD	<0.02% measured at 0dB in & 0dB out
Signal to Noise	>90dB (A weighted)

### Power Requirements

Power Supply	18-30V DC (via external power unit – supplied)
External Connector	24V DC
Current (backlight on)	550 mA

### Mechanical

Dimensions	88mm H X 483mm W X 296mm D
Weight	2.8Kg
Stock Code	N 84-001-57



Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

**Protec Fire Detection Plc, Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT**