

MU 9186R

MASTER UNIT WITH INTEGRATED ROUTER



DESCRIPTION

DXT 9000 is the logical evolution to the RCF DXT Active Matrix solution range. To design DXT 9000, RCF has developed a digital multi-platform where PA-EVAC systems join PRO-INSTALL systems in a completely scalable and versatile range of configurations and solutions.

It allows very flexible system architectures, driving in the same way professional amplifiers and speakers, 100V amplifiers and commercial audio or EN 54-24 voice alarm speakers equipped with line transformers.

In this architecture, MU 9186R is the MASTER UNIT with networking facility on-board; it is used when the system requires a distributed configuration where several MU 9186R and relevant slave amplifier units 9501 (1 x 500W), UP 9502 (2 x 250W) or UP 9504 (4 x 125W) connected through the dedicated RCF-Flexicomm data-link port are part of a large installation with even hundreds or thousands of zones.

MAIN FEATURES

- Fully monitored in compliance with EN 54-16/2008 standard.
- Digital matrix unit is 8x6 configurable, with routing to any output channel; 16x8 when networked, with the possibility to select among up to 64 remote audio channels.
- A maximum of 8 systems can be connected together, reaching a total scale of 256 units.
- Priority evacuation messages resident on main control unit protected and monitored memory. Simultaneous delivery is possible.
- 12 configurable GPI and configurable 8 GPO available on each unit.
- Control Center PC application to configure and control all system parameters.
- Front panel control with LCD display, LEDs and buttons.
- Efficient Digital Signal Processors on inputs and outputs; Parametric EQ, High and Low Pass Filters, Compressor / Limiter, Level controls provided on inputs and outputs.
- Ethernet port for remote control.
- USB port for PC configuration.
- MP3 built-in music source with USB and SD-Card reader.
- Twin LAN ports for DIGITAL AUDIO IN (1 channel from external source) and OUT (2 channels up to 4 sub-systems or 1 channel from 5 to 8 sub-systems)
- Dual power supply, allowing both AC and DC operation.
- RS 485 serial port for optional programmable remote control and volume adjustment or 3rd party control.

APPLICATIONS

- Shopping centres
- Hospitals
- Railway and Underground stations
- Airports
- Congress centres
- Schools and Campus
- Stadiums
- Skyscrapers



MU 9186R

SPECIFICATIONS

MAIN IN, FALL BACK INPUT audio inputs

- Input sensitivity:	-50 ÷ +6 dBu
- Frequency response (±3 dB):	20 Hz ÷ 20 kHz
- Input impedance (1 kHz):	25 kΩ
- Signal / noise ratio:	104 dB
- FALL BACK command voltage:	24 V dc

PAGING IN (1, 2) audio inputs

- Input sensitivity:	-60 ÷ -20 dBu
- Frequency response (±3 dB):	200 Hz ÷ 16 kHz
- Input impedance (1 kHz):	4 kΩ
- Signal / noise ratio:	84 dB
- Paging console power supply:	24 ÷ 28 V dc

AUX INPUT

- Input sensitivity:	-50 ÷ +6 dBu
- Frequency response (±3 dB):	20 Hz ÷ 20 kHz
- Input impedance (1 kHz):	25 kΩ
- Signal / noise ratio:	94 dB

BGM (1, 2, 3) audio inputs

- Input sensitivity:	-50 ÷ +6 dBu
- Frequency response (±3 dB):	20 Hz ÷ 20 kHz
- Input impedance (1 kHz):	25 kΩ
- Signal / noise ratio:	90 dB

MONITOR OUT, AUX OUT, MOH audio outputs

- Max. output level:	1 W on 8 Ω
- Output impedance (1 kHz):	60 Ω
- Frequency response (±3 dB):	20 Hz ÷ 20 kHz
- Distortion (THD+N @1W, 1kHz):	≤ 0.01%

GPI (logic inputs)

- Monitored GPI number:	8
- Photo-coupled GPI number:	4

GPO (logic outputs)

- Max. applicable voltage:	24 V dc
- Max. current:	0.3 A

RCF FLEXCOM BUS

- Channels:	4
- Resolution:	24 bits
- Sampling frequency:	44.1 kHz

24 V DC output

- Max. output current:	100 mA
------------------------	--------

DATA LINK

- 1 LAN ETHERNET connector (control)
- 2 LAN ETHERNET connector (DIGITAL AUDIO IN/OUT over DANTE protocol)
- 2 PAGING IN RJ 45 ports
- 1 RS485 EUROBLOCK connector
- 2 RCF FLEXCOM BUS EUROBLOCK connectors

ELECTRICAL SPECS.

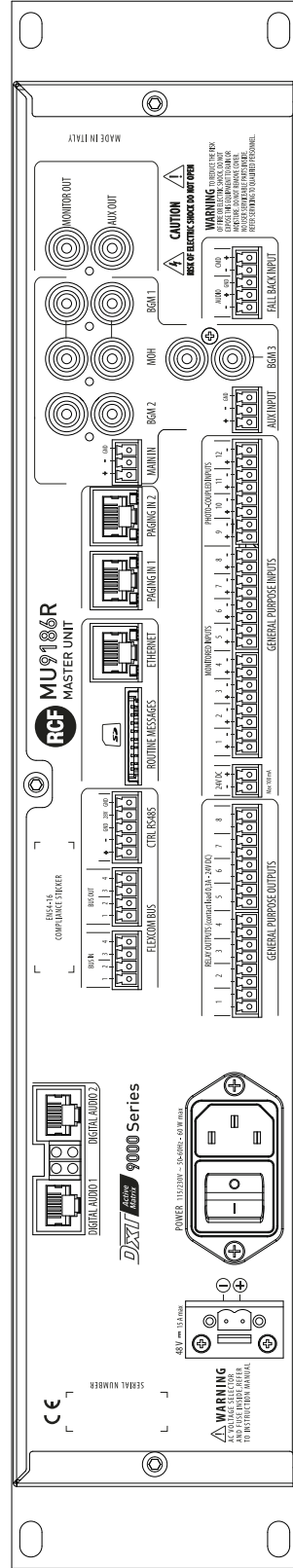
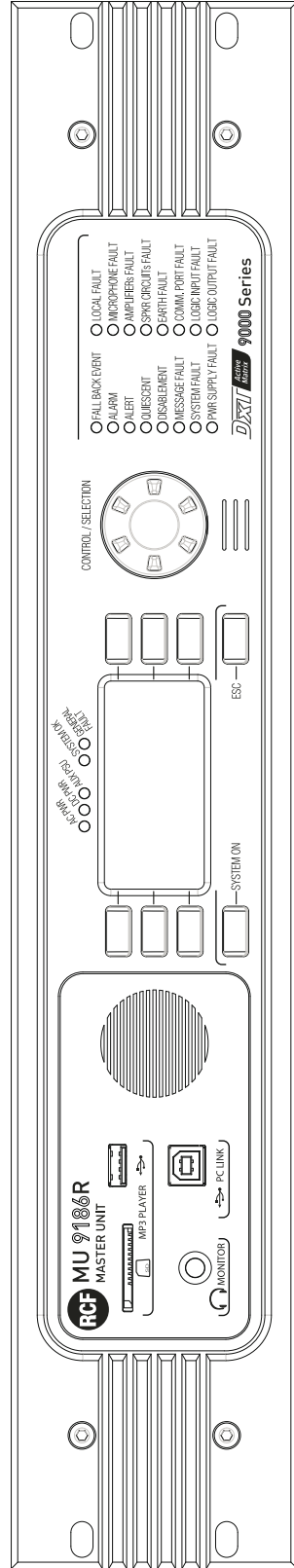
- Operating voltage:	100÷240 V ac (50-60 Hz), 48 V dc
- Max. consumption (power):	60 W
- Operating temperature:	-5 ÷ +50 °C (23 ÷ 122 °F)
- Relative humidity:	20 ÷ 90% (non-condensing)

MECHANICAL SPECS.

- Dimensions (w, h, d):	485 mm, 88 mm, 365 mm (19" rack - 2 units)
- Net weight:	6.9 kg

MU 9186R

FRONT PANEL & REAR PANEL

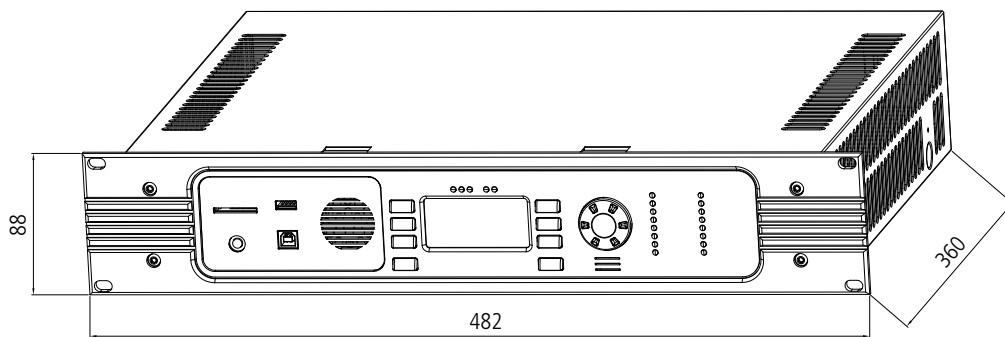


MU 9186R

PART NUMBER

171.70.185

DIMENSIONS (All data are in mm)



www.rcf.it