

PR 4093

9 INPUTS, 3 OUTPUTS PREAMPLIFIER

DESCRIPTION

PR 4093 has been designed to provide a flexible solution for paging and music application in PA systems. It offers 6 balanced inputs mic/line with PHANTOM facility, the first of them with priority triggered by VOX circuit. In addition, 3 stereo input on RCA connectors are available. Outputs offer different functionalities, included tone control on front panel, dedicated mixing of inputs 1-6 e connection to recording devices.



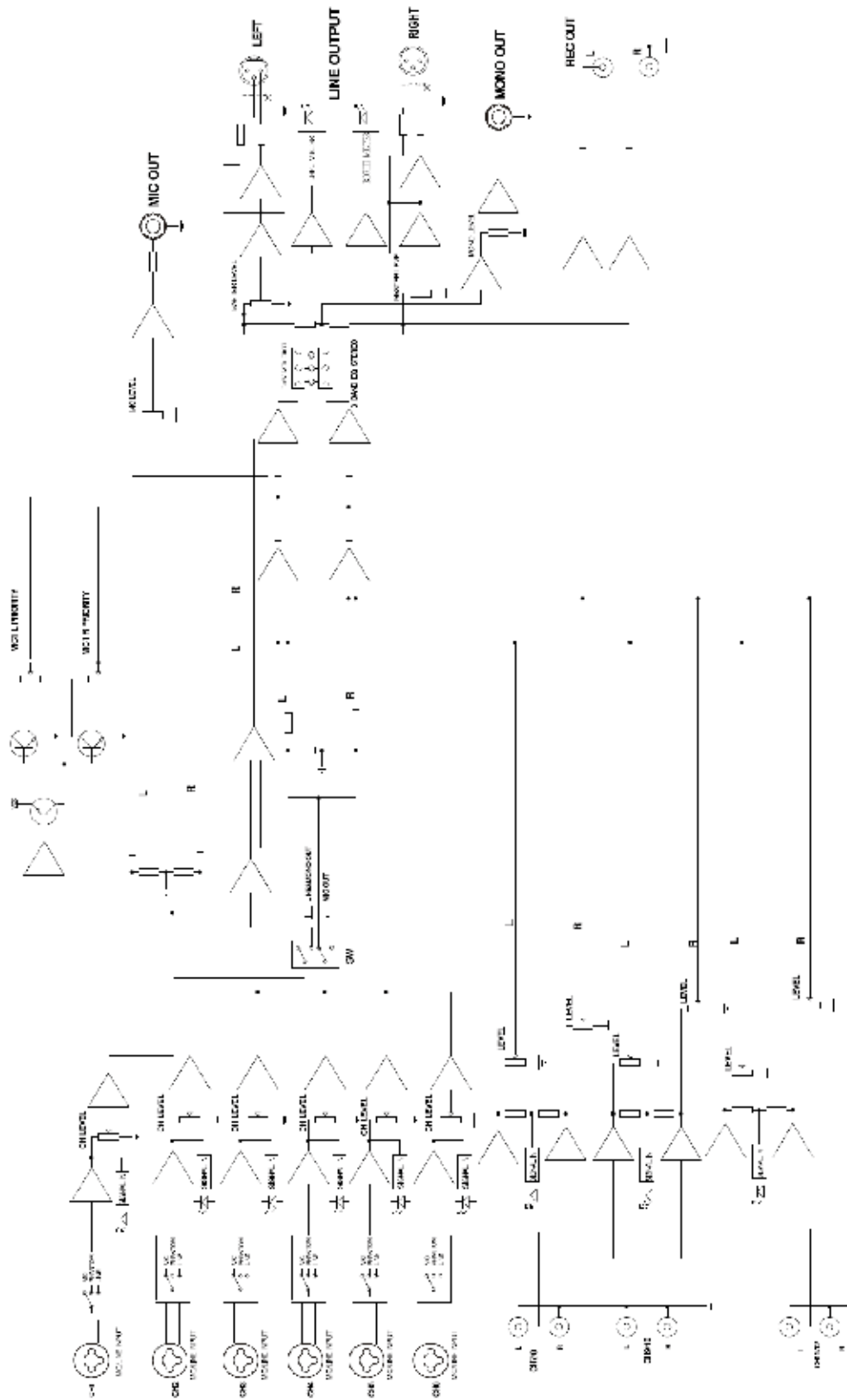
MAIN FEATURES

- 6 balanced XLR inputs with MIC/LINE sensibility and selectable PHANTOM power
- 3 stereo inputs on RCA connectors
- SIGNAL presence LED for each input
- Priority function on input 1, activatable through VOX circuit
- 1 XLR stereo output with tone control LOW, MID, HIGH on front panel
- 1 MONO output on 1/4" jack connector
- 1 MIC output on 1/4" jack connector
- Connection to recording device on RCA connectors
- LED output level indicator
- 230V AC functioning and 24V DC emergency power supply
- Suitable for rack installation (1U 19").

MAIN APPLICATIONS

- Paging announcement
- Background music
- PA systems in general

SCHEMATICS



PR 4093

SPECIFICATIONS

MONO INPUTS (CHANNELS 1 to 6, BALANCED)

Frequency response:	20 Hz ÷ 22 kHz (± 2 dB)
Distortion (THD & N):	≤ 0.03% at 1 kHz
Sensitivity:	−40 dBu (MIC) / 0 dBu (LINE)
Max. input level:	−19 dBu (MIC) / +21 dBu (LINE)
Input impedance:	2 kΩ (MIC) / 19.5 kΩ (LINE)
Max. voltage gain (MIC):	60 dB to LINE OUT (balanced) 50 dB to REC OUT (unbalanced) 60 dB to MIC OUT (unbalanced) 55 dB to MONO OUT (unbalanced)
Max. voltage gain (LINE):	20 dB to LINE OUT (balanced) 10 dB to REC OUT (unbalanced) 20 dB to MIC OUT (unbalanced) 15 dB to MONO OUT (unbalanced)
Phantom power voltage:	18÷21 V

STEREO INPUTS (CHANNELS 1 to 6, BALANCED)

Frequency response:	20 Hz ÷ 22 kHz (± 2 dB)
Distortion (THD & N):	≤ 0.03% at 1 kHz
Sensitivity:	+10 dBu
Max. input level:	+21 dBu
Input impedance:	19.5 kΩ
Max. voltage gain (LINE):	10 dB to LINE OUT (balanced) 0 dB to REC OUT (unbalanced) 0 dB to MONO OUT (unbalanced)

OUTPUTS

LINE OUT level:	0 dBu (± 2 dBu, balanced), max. +21 dBu
MIC OUT / MONO OUT level:	0 dBu (± 2 dBu, unbalanced), max. +21 dBu
LINE OUT impedance:	250 Ω (balanced)
MIC OUT / MONO OUT impedance:	125 Ω (unbalanced)

EQUALIZER

Low:	±15 dB at 80 Hz
Mid:	±12 dB at 2.5 kHz
High:	±15 dB at 8 kHz

CROSSTALK

Adjacent stereo inputs:	< −68 dB
Input to output:	< −76 dB at 1 kHz (ch. level at max., flat eq., LINE OUT level and others at min., MIC OUT switch set to OFF.

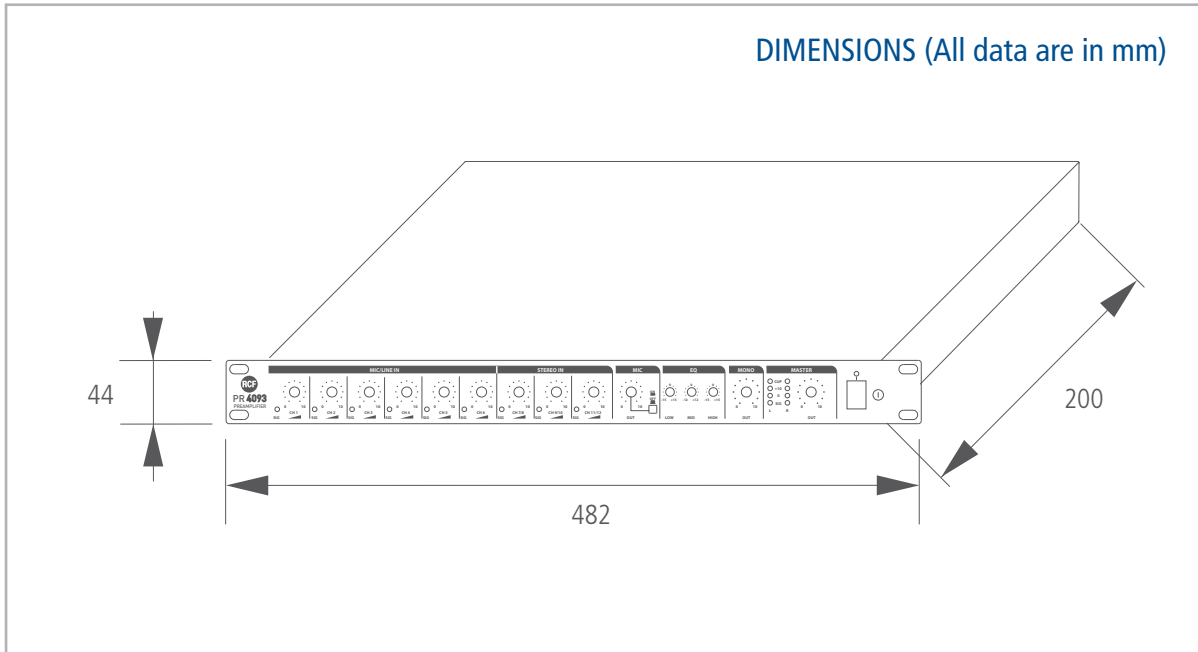
POWER SUPPLY, PHYSICAL

Operating voltage:	220÷240 V ac (50 Hz), 24 V dc
Dimensions (w, h, d):	483 mm, 44 mm, 195 mm (1U rack 19")
Net weight:	2.9 kg
Package (w, h, d):	560 mm, 110 mm, 380 mm
Shipping weight:	3.6 kg

PR 4093

PART NUMBERS

17100003



CERTIFICATIONS AND APPROVALS

- Electromagnetic compatibility according to IEC EN 55013:2001 +A1 + A2, IEC EN 55020:2010 +A11
- Safety requirements according to IEC EN 60065:2002 + A1 + A11 + A2 + A12

INSTALLATION NOTES

PR 4093 can be installed into a 19" rack cabinet (1 unit) thanks to its rack ears. To ensure proper heat dissipation, install the device leaving 1 unit clear between other components.