

## PR4092

### PREAMPLIFIER

#### 9 INPUTS, 2 OUTPUTS

PR 4092 has been designed to provide a flexible solution for any paging and music application in PA systems.

Each of the 9 inputs can be sent to output A only, output B only, or both A+B; in this way PR 4092 can also be used as a double-preamplifier: "A-bus" dedicated to paging, "B-bus" for BGM programs.

Thanks to the "2 in 1" design, priority function relevant to the inputs is active on the output selected only, by not affecting the other output bus.

Input 1 has overall priority (voice or contact activated) and can be used for emergency paging; Inputs 2 and 3 together can be set with priority on Inputs 4 to 9.

#### ■ 9 BALANCED XLR INPUTS

■ 1st Input has priority over the other Inputs for paging purpose

■ 8 Inputs have both MIC/LINE sensitivity

- Switchable PHANTOM 24V and HI-PASS filters provided on universal Inputs
- Each Input has OUTPUT SELECTOR
- SIGNAL presence INDICATOR on each Input
- 2 PRIORITY levels: INPUT 1 by VOX or Contact on removable Euro-block type connector, VOX activated on INPUTS 2&3
- 4 of the LINE level INPUTS are available on RCA Stereo type connectors
- 3-tone built-in CHIME generator by contact closure on removable Euro-block type connector
- 2 BALANCED XLR OUTPUTS
- Treble and BASS tone controls on each output
- LED-METER on the two outputs
- REcording OUTPUT on RCA sockets (pre-master)
- 115/230VAC operation, 24VDC emergency power supply
- 1U rack 19" chassis

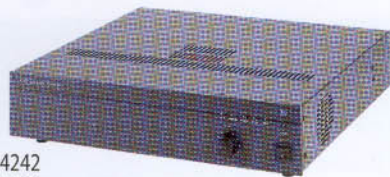
## SPECIFICATIONS

### PR 4092

Frequency response	20 - 20.000 Hz ( $\pm 3$ dB)
Inputs - Sensitivity, Impedance	MIC (XLR): -50 dBu (2,45 mV), 5 k $\Omega$ bal. LINE (XLR): -10 dBu (245 mV), 5 k $\Omega$ bal. LINE (RCA): -10 dBu (245 mV), 10 k $\Omega$ unbal.
Outputs / Voltage-Impedance	MASTER A and B: norm. 1,23V 200 k $\Omega$ bal. REC: norm. 775 mV 10k $\Omega$ unbal.
Signal/Noise Ratio	MIC: > 60 dB LINE: > 75 dB
Distortion	MIC: < 0.5 % LINE: < 0.3 %
Tone controls (A and B)	Bass $\pm 10$ dB 100 Hz Treble $\pm 10$ dB 10 kHz
Power supply / Consumption	115/230 Vac ( $\pm 5\%$ ) 50-60 Hz / 10 VA 24 Vdc / 450 mA
Dimensions	483x44x200 mm (1U Rack 19")
Weight	c.a. 2 kg





UP4121  
UP4161UP4242  
UP4482**UP4121** Code no. 121.30.043**UP4161** Code no. 121.30.044**UP4242** Code no. 121.30.007**UP4482** Code no. 121.30.005**POWER AMPLIFIER SERIES**

The UP 4000 Series power amplifiers have been expressly designed for the transmis-

sion of announcements and/or musical programmes in all PA type systems. They provide extremely high power output in just two rack units. The UP 4000 series offers the following functions:

- 60 W to 480 W of power in two rack units.
- "Input 1" balanced input on XLR connector and on terminal strip.
- "Input 2" balanced/unbalanced input on RCA connectors and on terminal strip
- Possibility to give Input 1 priority over Input 2
- Adjustable gain on Input 2
- Outputs for speakers at constant impedance (4Ω) 8Ω only UP 4242 - UP 4482 and constant voltage (50-70-100 V)
- Protection against fan breakage, overheating, overload, and output short circuits
- Auxiliary output for amplifier alarm indication in the event of malfunctions
- Controls for treble, medium, and bass tones (UP 4242 - UP 4482)

- Parametric 6-octave equalizer for medium tones (UP 4242 - UP 4482) rear panel
- Button for excluding the tone controls
- "FAN FLT.", "OVERHEAT", "OVERLOAD", "SIGNAL", and "PEAK" LED indicators
- Dual power supply in alternating current (115/230 Vac)
- DC power supply - 24 Vdc
- Removable front knob with closure cap
- UP 4242 - UP 4482: cooling with thermostat-controlled side fan. This feature allows for rack mounting of the amplifiers without having to interpose additional spacer panels.

**SPECIFICATIONS****UP 4121****UP 4161**

Power	120 W RMS - 180 W max	160 W RMS - 220 W max
Frequency response	50 - 15.000 Hz (±3 dB)	50 - 15.000 Hz (±3 dB)
Distortion	≤1 %	≤1 %
Signal/noise ratio	≥85 dB	≥85 dB
Outputs / Voltage-Impedance	25 V - 50 V - 70 V - 100 V - 4 Ω	25 V - 50 V - 70 V - 100 V - 4 Ω
Tone controls	Bass - Treble	Bass - Treble
Volume control	Master	Master
Inputs	RCA, unbalanced - Sensitivity 0 dB / -20 dB Terminals, balanced - Sensitivity 0 dB	RCA, unbalanced - Sensitivity 0 dB / -20 dB Terminals, balanced - Sensitivity 0 dB
Outputs	RCA - PARALLEL OUT terminal	RCA - PARALLEL OUT terminal
Protection	Thermal - Overload - Short circuit	Thermal - Overload - Short circuit
Indicators	LEDs for Signal, Overload, Peak, Overload switch	LEDs for Signal, Overload, Peak, Overload switch
Power supply	115 - 230 V Ac 24 V Dc	115 - 230 V Ac 24 V Dc
Absorption in dc (24 V)	10A	14A
Dimensions	433x88x315 mm	433x88x315 mm
Weight	11,3 kg	12,7 kg
Operation	Remote standby-by control (300 m), excludable, with LED indicator	Remote standby-by control (300 m), excludable, with LED indicator
Optional accessory	AR1052-N - Hardware for the installation in "CR 2500" series rack. Code no. 173.10.059	

**SPECIFICATIONS****UP 4242****UP 4482**

Type	240 W - Mono - Table-top	480 W - Mono - Table-top
Output power nominal:	240 W	480 W
maximum:	260 W (10 msec ON - 0,1 sec OFF)	520 W (10 msec ON - 0,1 sec OFF)
Frequency response	50 - 16.000 Hz (±3 dB)	50 - 16.000 Hz (±3 dB)
Distortion	≤0,1 % (1 kHz - nominal power)	≤0,1 % (1 kHz - nominal power)
Signal/noise ratio	≥90 dB	≥90 dB
Inputs / Sensitivity-Impedance	775 mV - 100 kΩ (bal.) 50 kΩ (unbal.)	775 mV - 100 kΩ (bal.) 50 kΩ (unbal.)
Outputs for speakers / ohms	4 Ω - 8 Ω	4 Ω - 8 Ω
Outputs for speakers / volts	50 V - 70 V - 100 V (10Ω - 20 Ω - 40 Ω)	50 V - 70 V - 100 V (5 Ω - 10Ω - 20 Ω)
Tone controls	Bass: ±12 dB - 80 Hz Midrange: parametric 6 octaves (250 Hz - 500 Hz - 1 kHz - 2 kHz - 4 kHz - 8kHz) ±12 dB Treble: ±12 dB - 12 kHz	
Controls	1 master volume control (front panel) • 1 treble tone control (rear panel) 2 medium tone controls (rear panel) • 1 bass tone control (rear panel)	
Power supply / max. consumption	115/230 Vac (±5%) 50/60 Hz / 500 VA	115/230 Vac (±5%) 50/60 Hz / 1000 VA
Absorption in dc (24 V)	20 A	40 A
Max. ambient temperature	55°C	55°C
Dimensions	433x88x382 mm	433x88x382 mm
Weight	16 kg	20 kg
Optional accessory	AR1052-N - Hardware for the installation in "CR 2500" series rack. Code no. 173.10.059	