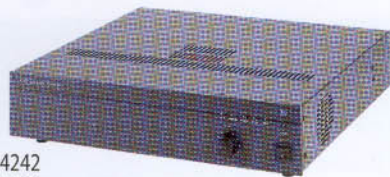


UP4121
UP4161UP4242
UP4482**UP4121** Code no. 121.30.043**UP4161** Code no. 121.30.044**UP4242** Code no. 121.30.007**UP4482** Code no. 121.30.005**POWER AMPLIFIER SERIES**

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	