

UP 8502

POWER AMPLIFIER

DESCRIPTION

The new 8000 series power amplifiers are designed around an innovative RCF power supply and amplification technology. The full digital technology used in these new products allows extremely high efficiency both with AC and DC power supply operation, Pro-Quality audio reproduction and compactness: all the three models are built-in a single 19" Unit. The switching mode power supplies include an independent DC 48 V section that guarantees extra redundancy to the possible failure of the units. Each channel is provided with two inputs and dedicated priority circuit to get mix/mute and exclusive priority operation. The amplifiers are suitable for 70/100 V applications, using a unique RCF technology that allows to eliminate the line output transformer. Several status LEDs on front panel give a complete feedback on amplifier status, a DIP switch on rear panel allows to disable the frontal volume controls in order to avoid misuses. All connectors are removable screw terminals.

The amplifier is certified according to EN 54-16 standard in combination with RCF DXT 7000 voice alarm system.

FEATURES

- Class D amplifier and double switching AC-DC power supply, transformer-less galvanic insulated speaker output
- Pro audio performance
- Selectable 70 - 100 V output per channel
- Double input per channel
- Active full protections on amplifier and power supply
- Stand-by, priority and fault remote commands
- Activity and status indicators
- Volume knobs on front panel with disablement facility
- Light-weight 1 U 19" rack enclosure
- EN 54-16 certified for voice alarm applications, when interconnected with RCF DXT 7000 system



TECHNICAL SPECIFICATIONS

Amplifier specifications	Amplifier Class:	D
	Number of channels:	2
	Power output (@ 100 V):	500 W RMS
	Frequency Response (-3dB):	40 Hz ÷ 16 kHz
	Signal/noise rate ("A" weighted)	>86 dB
	Crosstalk	<70 dB
	Distortion (THD+N) @ 1 kHz nominal power:	<0.3 %
Input section	Total number of inputs:	4
	Balanced:	4
	Mono:	2
	Stereo:	2
	Line inputs:	4
	Line connectors:	Euroblock
	General Purpose Inputs (GPI):	4
Output section	Power output connectors:	Euroblock
	General Purpose Outputs (GPO):	1
Controls	Configuration:	DIP switch, Front panel
	Priority:	Yes
Protections	Cooling:	Forced
	Short circuit:	Yes
	Thermal:	Yes
	DC:	Yes
	Fuses:	Yes
Power requirement	Operating voltage:	220-240/115 V- 50/60Hz
	Voltage selection:	Internal
	DC power:	Yes
	DC power value:	48 V
	Power consumption:	800 W
Standard compliance	EN54-16 certified:	Yes
	CE marking:	Yes
	CPR number:	1438-CPR-0241
Physical specifications	Cabinet/Case Material:	Metal
	Color:	Black
	Rack mounting:	19", 1U



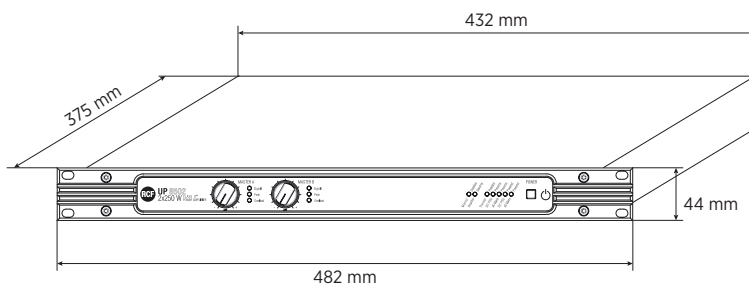
Size	Height:	44 mm / 1.73 inches
	Width:	482 mm / 18.98 inches
	Depth:	375 mm / 14.76 inches
	Weight:	5.2 kg / 11.46 lbs

Shipping informations	Package Height:	180 mm / 7.09 inches
	Package Width:	550 mm / 21.65 inches
	Package Depth:	480 mm / 18.9 inches
	Package Weight:	7.2 kg / 15.87 lbs

PART NUMBER

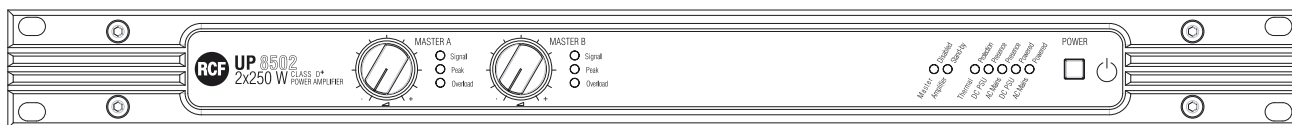
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|---|---|
| <ul style="list-style-type: none"> • 12135099 <p>UP 8502
115V
EAN 8024530010874</p> | <ul style="list-style-type: none"> • 12135077 <p>UP 8502
220-240V
EAN 8024530007331</p> |
|---|---|

DRAWINGS



PANELS

Front panel



Rear panel

