

4-CHANNEL POWER AMPLIFIER (100 V, 70 V, 50 V)

RCS

BA-4120CP

480 W

4 x 120 W

Four balanced inputs for programs and **priority**

BA-4240CP

960 W

4 x 240 W



Description

These 19" 4-channel power amplifiers are ideal for the use in professional audio applications with 100 V, 70 V and 50 V line systems. They also provide low-impedance outputs (4 ohms). The devices are manufactured in state-of-the-art production processes using high-quality components such as toroidal transformers.

They have been designed for continuous operation. They are absolutely short circuit and open circuit proof and are equipped with all relevant protection devices.

Please consider the following features:

- All the 4-channel amplifiers of the "CP" series have 4 electronically balanced audio inputs for programs and one input (with **priority**) for priority announcements, etc.
- The screw-type connectors substantially facilitate the wiring for signal input. Time consuming fitting of the input cables with XLR connectors is eliminated.
- Although the devices have different output power ratings (480, 960 W), they all have the same design and identical dimensions.
- The amplifiers have electronically balanced inputs on screw-type connectors. Possible hum pick-up from ground loops is avoided through the balanced inputs and outputs.

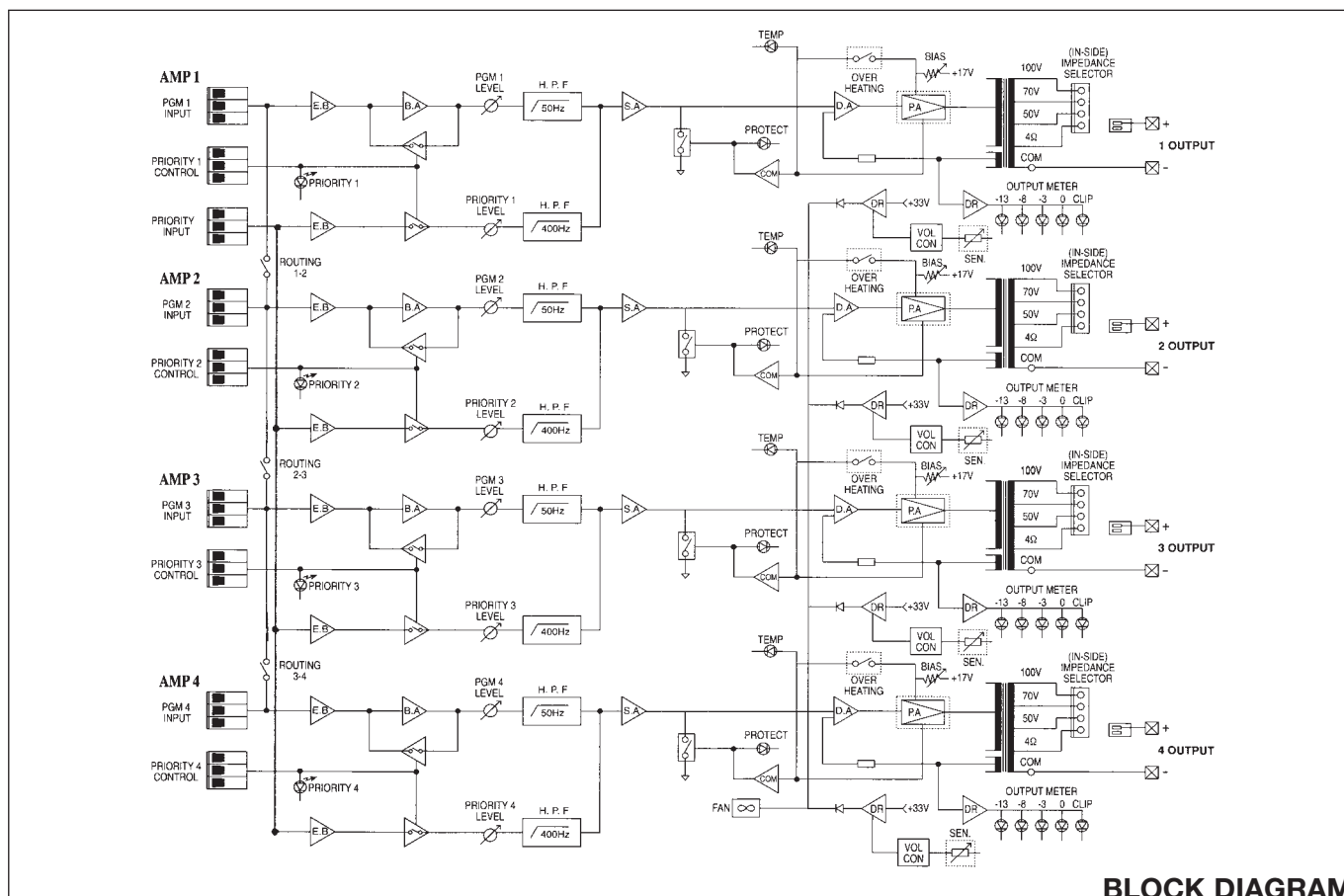
- The multicoloured LED indicators located on the front panel continuously indicate the operating status of the amplifier including protection functions and possible dangers.
- By means of a "Power Remote" contact the amplifier can be switched on, even if the power switch is in the off position.
- All models feature soft start and a special circuit which suppresses unpleasant switch-on noise.
- By means of the three ROUTING SWITCHES located on the rear the inputs can be combined, so that the power amplifiers can be used as 1-,2-,3- or 4-channel systems.

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Model designations

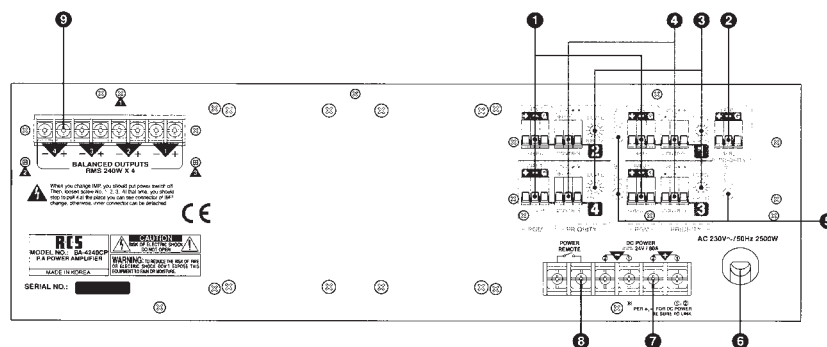
4-Channel Power Amplifier, BA-4120 CP
2 x 120 W RMS, 3 RU, 4 inputs for programs and 1 input for paging with priority

4-Channel Power Amplifier, BA-4240 CP
2 x 240 W RMS, 3 RU, 4 inputs for programs and 1 input for paging with priority



BLOCK DIAGRAM

- ❶ Input on screw-type connectors
- ❷ Input for priority signal
- ❸ Volume control for priority signal independent of program control
- ❹ Screw-type connectors for priority enable via 24 V or switch
- ❺ ROUTING SWITCH for parallel operation
- ❻ AC power cord
- ❼ 24 V DC power supply terminals
- ❽ Remote switch-on via "Power Remote"
- ❾ Speaker output panel, can be removed for changing the output impedance



Rear view

Technical data	BA-4120 CP	BA-4240 CP
Output power	4 x 120 W (RMS)	4 x 240 W (RMS)
Input sensitivity	+4 dB (1.23 V), 30 kohms, balanced	+4 dB (1.23 V), 30 kohms, balanced
Output impedance	50 V, 70 V, 100 V and 4 ohms	50 V, 70 V, 100 V and 4 ohms
Frequency response	55 ~ 17000 Hz (better than -3 dB)	55 ~ 17000 Hz (better than -3 dB)
Signal-to-noise ratio	better than 100 dB	better than 100 dB
THD at 1 kHz	better than 1 %	better than 1 %
Remote switching-on	"Power Remote" contact	"Power Remote" contact
Power consumption	1300 W	2500 W
Current consumption (230 V)	3 A at 1/8 power current draw 6.8 A at rated power current draw	5 A at 1/8 power current draw 11.8 A at rated power current draw
AC power supply	230 V, 50 - 60 Hz	230 V, 50 - 60 Hz
DC power supply	24 V (emergency power supply)	24 V (emergency power supply)
Dimensions (W x H x D in mm)	483 x 133 x 377; 3 RU	483 x 133 x 377; 3 RU
Weight	approx. 25 kg	approx. 28 kg