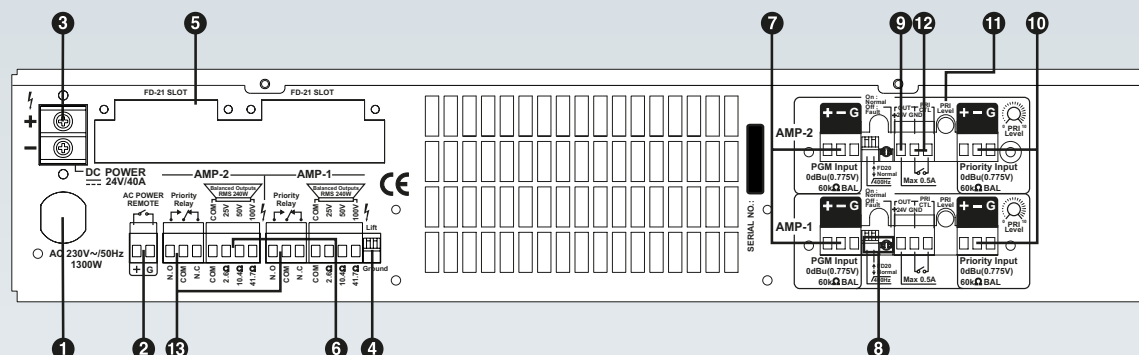


# RCS 2-CHANNEL POWER AMPLIFIER WITH PILOT TONE (OPTIONAL)

## Rear view



- 1 IEC power inlet (cold condition)
- 2 Remote switch-on via „Power Remote“
- 3 24 V DC power supply terminal
- 4 Ground / Lift switch
- 5 Slot for pilot tone-module FD-21 (optional)
- 6 Speaker outputs, 25 V, 50 V and 100V
- 7 Input on screw-type connectors

- 8 Switches for high-pass filter (400 Hz) and FD-21 module
- 9 24 V (500 mA) output for switching external relays or similar units
- 10 Balanced input for priority signal
- 11 Volume control for priority signal
- 12 Contact to activate priority
- 13 Switchover contact at priority

Technical data	BA-2240 DP
Output power	2x 300/240 W (Program/RMS)
Input sensitivity	0 dB (0,775 V), 66 kohms, balanced
Output impedance	25 V, 50 V, 100V
Frequency range	35 ~ 20.000 Hz (better than -3 dB)
Signal-to-noise ratio	better than 100 dB
THD at 1 kHz	better than 0,5%
Input filter	400 Hz / -3 dB
Power consumption	1300 W
Current consumption (230 V)	3.1 A at 1/8 power current draw 7.4 A at rated power current draw
AC power supply	230 V, 50 – 60 Hz
DC power supply	24 V (emergency power supply)
Dimensions (WxHxD)	483 x 88 x 374 mm; 2 RU
Weight	approx. 19,2 kg

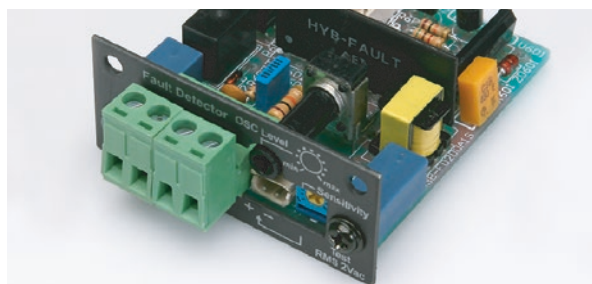
## OPTIONAL | Pilot Tone-Module

## FD-21

### Description

This pilot tone-module serves to monitor the performance of amplifiers. It is installed in the slot provided on power amplifiers of the „DP“ series. The generator produces a 20 kHz test signal.

Apart from the test of the power amplifier functioning, the speaker line is checked for short circuit faults. Error message from a potential-free relay contact (closer).



**Pilot Tone-Module** for power amplifiers of the „DP“ series. . . . . **FD-21**

# 2-CHANNEL POWER AMPLIFIER WITH PILOT TONE (OPTIONAL)

# RCS

BA-2240 CP
<b>480 W</b>
<b>2x 240 W</b>

Balanced inputs for programs, **priority** and **pilot tone-module**.



## Description

These 19" 2-channel power amplifiers are **fully monitored** and ideal for the use in professional audio applications with 100 V, 70 V and 25 V line systems.

The amplifiers have malfunction message contacts for all relevant functions in case of emergency.

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 2-channel amplifiers of the „DP“ series have 2 electronically balanced audio inputs for programs and one input (with **priority**) for priority announcements, etc.
- Each power amplifier can be equipped with 1 **pilot tone-module** (FD-21) which monitors the performance of the amplifier.
- 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 screw-type connectors substantially facilitate the wiring for signal input. Time consuming fitting of the input cables with XLR connectors is eliminated.
- By means of a „Power Remote“ contact the amplifier can be switched on, even if the power switch is in the off position.

- The multicoloured LED indicators located on the front panel continuously indicate the operating status of the amplifier including protection functions and possible dangers.
- All models feature „SOFT START“ and a special circuit which suppresses unpleasant switch-on noise.
- A ground/lift switch is provided to disconnect signal ground from chassis ground (shielding), in order to avoid any hum pick-up.

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## Model designations

**2-Channel Power Amplifier, ..... BA- 2240 DP**  
2 x 240 W RMS, 2 RU, prepared for FD-21