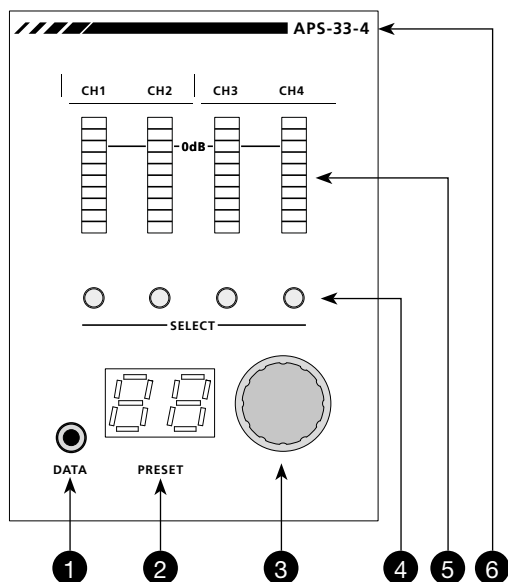


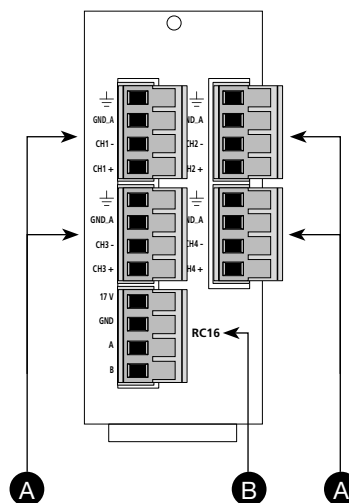
# APS-33-4

## 4 channel BF output module with DSP functions



### Front view (FRS)

- 1 Socket for programming
- 2 Preset display
- 3 Volume control
- 4 Channel selection button
- 5 Volume display
- 6 Model code



### Rear view (RWS)

- A Connector block for symmetrical audio output 1–4
- B Connector block for remote control bus RC16

### Description

#### Designation and function

Output module for the transmission of an audio signal to external devices

#### Function of the module

- DSP functions for each channel:
  - Delay (122 ms divisible on all four channels)
  - Two volumes switchable: volume, volume «shadow» (-100 dB to +6 dB)
  - Equalizer (10 fully parametric bands,  $\pm 12$  dB)
  - Two point dynamic (Two modes: expander, compressor, limiter, noise gate)

- 16 presets switchable
- Display of preset number
- Simple indicator (normal, high)
- Various DSP functions remotely controlled
- Parameter settings over the software
- 4 individual configurable LF output channels

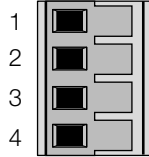
#### Rear panel (RWS)

RWS-46.1

**Technical specifications**

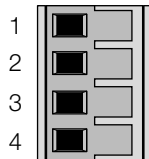
**Connection diagram for the connector block (A)**

- 1 Casing/Ground
- 2 NF ground
- 3 LF 0 dBu sym. -
- 4 LF 0 dBu sym. +



**Connection diagram for the connector block (B)**

- 1 Supply remote control 17 V
- 2 Supply remote control/ground
- 3 Data line RC16 A
- 4 Data line RC16 B



**Data**

**Removal of the module from a unit**

- a) CAUTION: the amplifier system must be disconnected from mains and battery supply!
- b) Remove the covering strips at the cabinet
- c) Unscrew the mounting screws
- d) Pulling out the module forwards

**Application**

Each output channel can individually take over the signals BF 1-4 miscible. The digital signal processor provides the processed and adjusted audio signals at the output symmetrically.

The APS-33-4 can be connected via the RC16 to other ARIA devices or can control RC16 devices themselves

**Functions of the module**

- Signal processing of BF bus to RWS (symmetrical output)
- Communication with the processor module APS-990

**General informations**

Signal-to-noise ratio	> 80 dB
Power supply	17 V DC (internal)
Current consumption	160 mA (without GM-7420)
Max. power output (RC16)	120 mA
Power consumption	2.72 W
Weight (incl. RWS)	0.420 kg
Max. number of modules	8

**Data transfer between APS-33-4 and APS-990**

Via the Data-S bus (preset selection, switchover volume) and I<sup>2</sup>C bus (Busaufschaltung)

**Important**

The use must be in accordance with the programming!