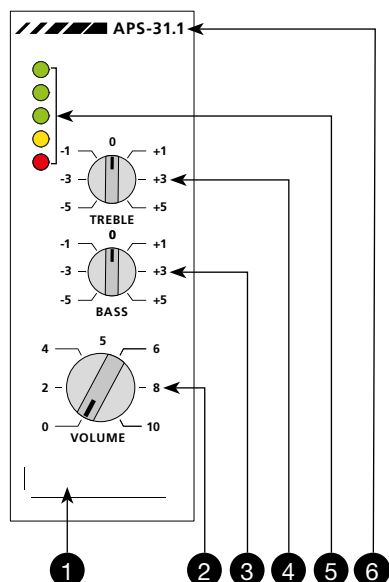


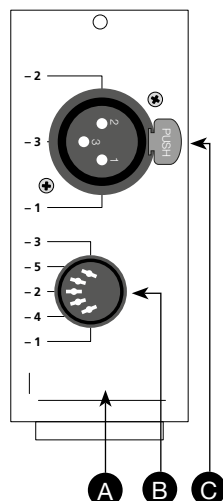
APS-31.1 | APS-31.2

LF Output module with tone control



Front view (FRS)

- 1 Sound source label
- 2 Volume control
- 3 Bass control
- 4 Treble control
- 5 Level indication with 5 LEDs
- 6 Model code



Rear view (RWS)

- A Input label
- B Socket DIN
- C Socket XLR

Description

Designation and function

Output module for the transmission of a audio signal from a system to an other user

Possible users

Other systems, amplifiers, modulators, recorders

Use of the module

As an independent output

Settings on the module

None

Function of the module

According to the programming of the processor module APS-990

Controls for volume, bass and treble

Do affect the tone in all active loudspeakers

Level indication (green/yellow/red) and output signal

Depending on the level in the system (inputs) and of the volume control (output)

Security

the operating knobs can be removed (with pliers) – operation only then possible with the aid of a screw-driver; an additional cover makes the operation impossible (prevents operating errors)

Rear panels (RWS)

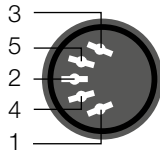
RWS-01 (standard)

RWS-12 (option: as RWS-01 but with additional internal transformer and level adjustment)

Technical specifications

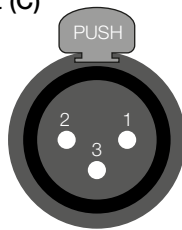
Connection diagram for the DIN socket (B)

- 1 LF output balanced +
- 2 Ground/Shield
(and 0 stop of the potentiometer)
- 3 LF output balanced or unbalanced
(unbalanced = left channel; mono together with 5)
- 4 Open collector OC
- 5 LF output balanced or unbalanced
(unbalanced = right channel; together with 3)
or connection of the middle of the potentiometer for the wired remote volume control (APS-31.2)



Connection diagram for the XLR socket (C)

- 1 Ground/Shield
- 2 LF (audio frequency) Input balanced +
- 3 LF (audio frequency) Input balanced -



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

General informations

Output level	+6 dBm (1.5 V)
Output impedance	RWS-01: 150 Ohm RWS-12: 600 Ohm
Connection	RWS-01: balanced or unbalanced RWS-12: balanced
Balancing	RWS-01: electronically made RWS-12: by AF transformer (with electrical insulation)
Control output	Open-Collector 17 V/300 mA (between connection 4 & ground 2)

Remote volume control

With potentiometer or pushbuttons (additional functions at the module version APS-31.2)

Activation of the audio and of the control output

According to the programming of the processor module APS-990

Delay of the audio output activation

Automatically

Additional functions at the module APS-31.2

- Wired volume remote control with a potentiometer of 47 kOhm or 50 kOhm at the connections 2 and 5 of the DIN socket
- or
- Wired volume remote control with push-buttons for up/down e.g. via APS-52

Note

If using a potentiometer, the connection on the RWS-01 between 3 and 5 must be removed.

With the volume control, the output level must be adjusted so that the red LED of the level indication does not illuminate

Important

The use must be in accordance with the programming!