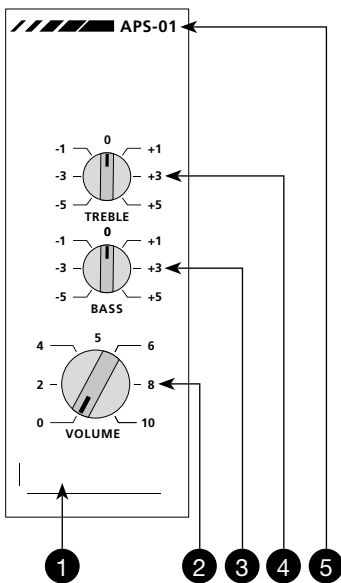


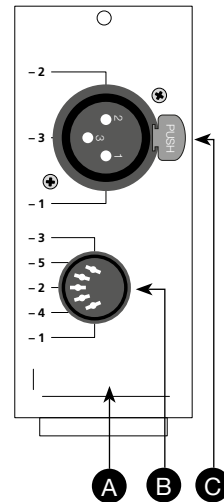
APS-01

Universal input module



Front view (FRS)

- 1 Sound source label
- 2 Volume control
- 3 Bass control
- 4 Treble control
- 5 Model code



Rear view (RWS)

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

Description

Product versions

APS-01, APS-01-12

Designation and function

Universal input module for the reproduction of a sound source according to the label.

Possible sound sources

Dynamic microphone, condenser microphone, wireless microphone, music device, line

Use of the module

As an independent input

Adjustments on the module

- Adaptation to the sound source (input sensitivity)
- Use of the module

Function of the module

According to the programming of the APS-990 processor module

Controls for volume, bass and treble

Do affect the tone in all active loudspeakers

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)

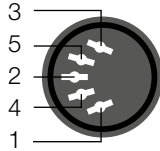
RWS-01 (standard)

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

Technical specifications

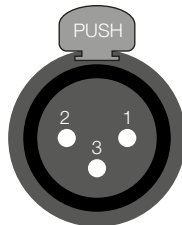
Connection diagram for DIN Socket (B)

- 1 LF (low frequency) input balanced +
- 2 Ground/shield
- 3 LF input balanced or unbalanced (unbalanced = left channel; mono together with 5)
- 4 Remote control
- 5 LF input balanced or unbalanced (unbalanced = right channel; mono together with 5) or +2 VDC for the LED indication on a microphone APS-301-LED



Connection diagram for XLR socket (C)

- 1 Ground/shield
- 2 LF (low frequency) input balanced +
- 3 LF (low 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

Input sensitivity

Sselectable with the mini switches S2 and S4 – according to the table printed on the module:

Dynamic microphone	-63 dBm without phantom powering
Condenser microphone	-53 dBm with phantom powering
Wireless microphone	-37 dBm without phantom powering (S2 = -63 dBm, S4 = 0 dBm)
Music source/AUX	-10 dBm without phantom powering
Line	0 dBm without phantom powering
with RWS-12	reduction to -42 dB (e.g. from 100 V to 0 dBm; without phantom powering)

Connection

Microphone/Line	Balanced
Music source/AUX	Unbalanced

Balancing

Electronically made (at RWS-12: by LF transformer with additional electrical insulation)

Input impedance

Microphone	200 Ohms
Auxiliary/Line	47 kOhms
at RWS-12	600 Ohms

Phantom powering for condenser microphone

12 VDC

Remote control

Switch-on/switch-off of the amplifier unit and transmission of a digital information to the APS-990.

Remote control activation

External (normally open) contact between pin 4 and pin 2 of the DIN 5-pole socket

Deactivation of the switch-on/switch-off

Remove the Diode D2 on the module

Priority and LF activation

According to the programming of the APS-990

Use of the module

- Independent: the switch S1.1 is on position NORMAL ON
- Together with a microphone APS-301-LED: the resistor R57 (560 Ohms) is inserted on the module and the solder joint between pin 3 and pin 5 at the DIN 5-pole socket on the rear panel is removed! (switches S2 and S4 on position -53 dBm with phantom powering)

Important

The use must be in accordance with the programming!