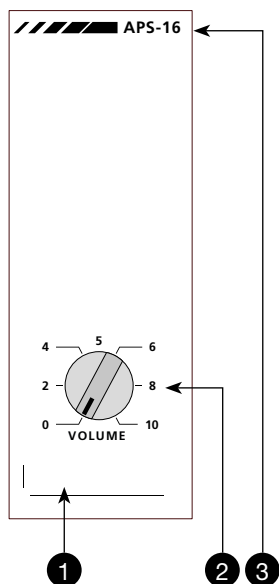


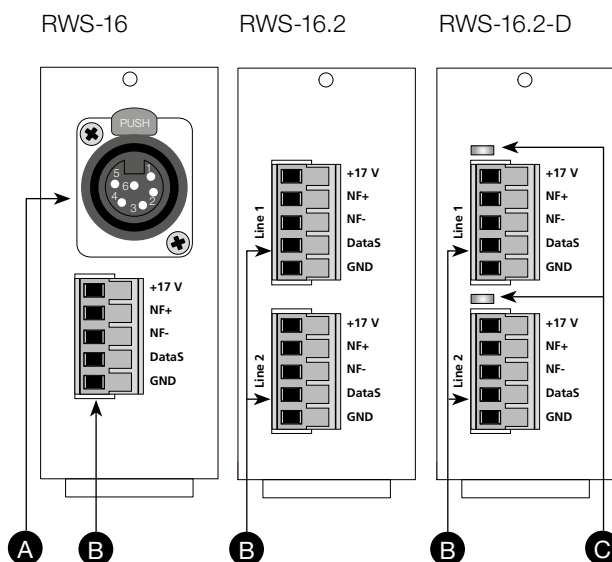
APS-16.2

Module for serial microphone consoles



Front view (FRS)

- 1 Sound source label
- 2 Volume control
- 3 Model code



Rear view (RWS)

- A Socket XLR
- B Connector block
- C Indication data line

Description

Product Versions

APS-16.2-XLR	with RWS-16	Socket XLR and Connector block
APS-16.2	with RWS-16.2	2 Connector blocks, current monitoring
APS-16.2-D	with RWS-16.2-D	2 Connector blocks, current and data monitoring

Designation and function

Module for the connection between loudspeaker system and microphone consoles according to the label; EV consoles are monitored corresponding to the standard EN 54-24 for evacuation systems

Sound source

(EV-) serial microphone consoles

Use of the module

As independent input (for talking from the console)

Adjustments on the module

None

Description

Function of the module

According to the programming of the processor module APS-990

Volume control

Do affect the volume (talking) in all active loudspeakers

Security

The operating knob can be removed (with pliers) – operation only then possible with the aid of a screwdriver; an additional cover makes the operation impossible (prevents operation errors)

Monitoring

APS-16.2-XLR: the power supply for the microphone console is monitored for overcurrent

APS-16.2: each power supply for the microphone console is monitored for overcurrent individually

APS-16.2-D: each power supply for the microphone console is monitored for overcurrent individually. Both data lines are individually monitored (short circuit/overcurrent) and will be separated in case of failure

The conditions/Faults are transferred to APS-990

Warning if EV consoles are in use

In normal mode, the changing of the position of the control or the unplugging of a EV console will give an automatic error message

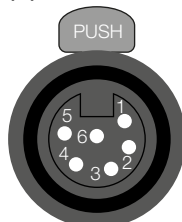
Rear panel (RWS)

RWS-16, RWS-16.2, RWS-16.2-D

Technical specifications

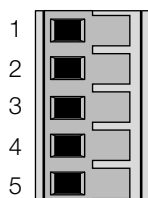
Connection diagram for the XLR socket (A)

- 1 Ground
- 2 LF (low frequency) input balanced +
- 3 LF (low frequency) input balanced –
- 4 Not connected
- 5 Serial Data
- 6 Supply +17 VDC for microphone consoles (max. 400 mA)



Connection diagram for the connector block (B)

- 1 Supply +17 VDC for microphone consoles (max. 400 mA per connector block)
- 2 LF (low frequency) input balanced +
- 3 LF (low frequency) input balanced –
- 4 Serial Data
- 5 Ground



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 Torx screws
- d) Pulling out the module forwards

Tasks of the module

- LF connexion between the microphone consoles and the input buses (M1–M4) for talking
- Data connexion between the microphone consoles and the processor module APS-990 (Data-S)

General information

Input sensitivity/ouput level	0 dBu (0.775 V)
Connection	Balanced audio
Balancing	Electronically made
Input/output impedance	600 Ω
Operating temperature	-5°C to 40°C

Data transfer between the module and the APS-990

Via the I²C bus

Data transfer between microphone consoles and APS-990

Via the Data-S bus

Monitoring and error message of EV consoles

By the central unit APS-177

Possible microphone consoles

- APS-3XX.1 (Standard versions)
- APS-3XX.1-EV (EV Versions)
- APS-388.1 (Versions with LCD display)
- EV-NL-3XX.1 (Versions for security systems)

Priorities of the consoles and LF activation

According to the programming of the APS-990

Use of the module

Independent

Important

The use must be in accordance with the programming!