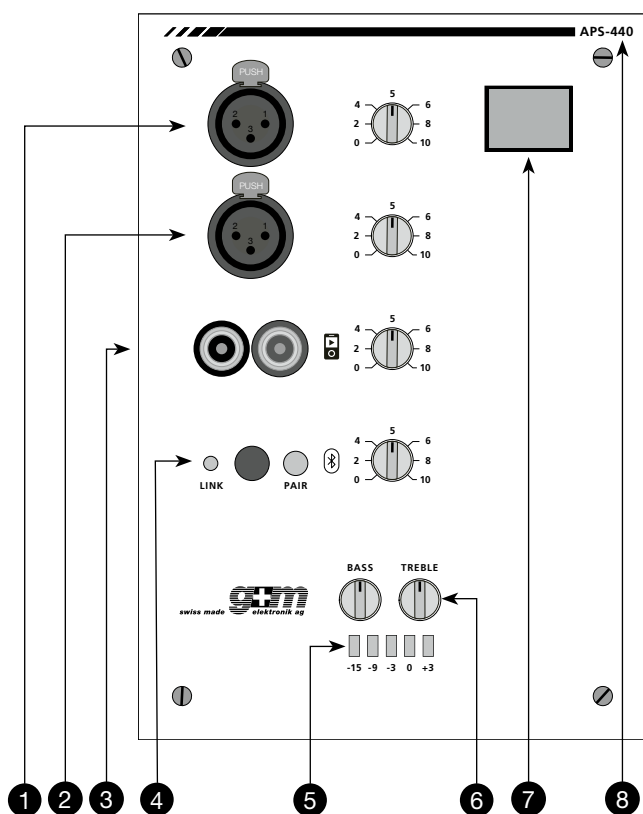


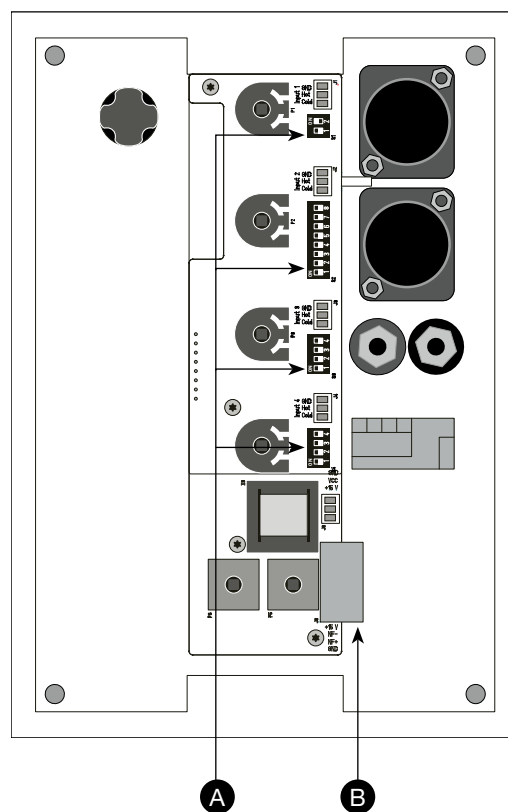
APS-44x

Wired remote control



Front view

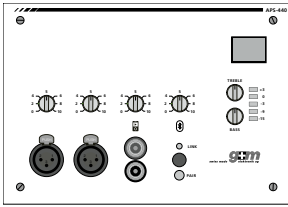
- 1 Socket and volume control for Input 1
- 2 Sockets and volume control for Input 2
- 3 Sockets and volume control for input 3
- 4 Bluetooth module and volume control for input 4
- 5 Level indicator (green/green/green/yellow/red)
- 6 Sound control for bass and treble
- 7 ON/OFF switch with operating display
- 8 Model code



Rear view

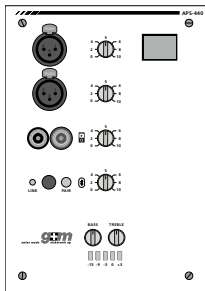
- A DIP switch for configurations
- B Connector block

Versions



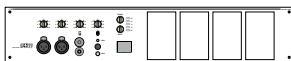
APS-440-H-BT

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.35kg
- Cover plate anodised aluminium, 200mm x 140mm x 60mm (WxHxD)
- Hole pattern mounting holes: 117 mm x 177 mm (WxH)



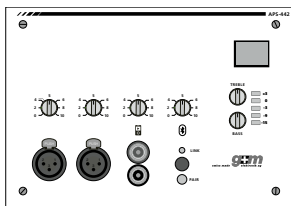
APS-440-A02-V-BT

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.35kg
- Cover plate anodised aluminium, 140mm x 200mm x 60mm (WxHxD)
- Hole pattern mounting holes: 177 mm x 117 mm (WxH)



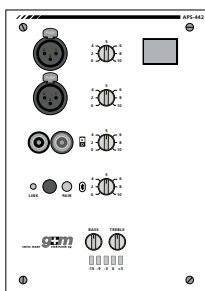
APS-441-2HE-BT

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.9kg
- 19" panel anthracite grey, 2U, 485mm x 90mm x 50mm (WxHxD)



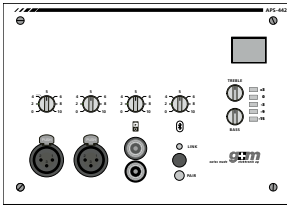
APS-442-H-BT-WS

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.46kg
- Edizio cover plate size III+II, ED-61 white, 208mm x 148mm x 60mm (WxHxD)
- Mounting plate 130mm x 190mm (WxH)
- Hole pattern mounting holes: 168mm x 108mm (WxH)



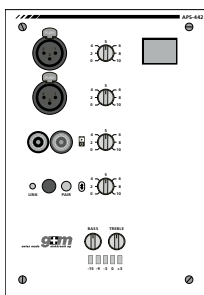
APS-442-V-BT-WS

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.46kg
- Edizio cover plate size II+III, ED-61 white, 148mm x 208mm x 60mm (WxHxD)
- Mounting plate 130mm x 190mm (WxH)
- Hole pattern mounting holes: 108mm x 168mm (WxH)



APS-442-H-BT-SW

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.46kg
- Cover plate: Edizio size III+II, ED-61 black, 208mm x 148mm x 60mm (WxHxD)
- Mounting plate 190mm x 130mm (WxH)
- Hole pattern mounting holes: 168mm x 108mm (WxH)



APS-442-V-BT-SW

- Input 1: input for microphone, with switchable phantom power
- Input 2: input for line or microphone, with switchable phantom power
- Input 3: input for line
- Input 4: input for Bluetooth or line
- Weight: 0.46kg
- Edizio cover plate size II+III, ED-61 black, 148mm x 208mm x 60mm (WxHxD)
- Mounting plate 130mm x 190mm (WxH)
- Hole pattern mounting holes: 108mm x 168mm (WxH)

Configuration

		Application	Sensitivity	DIP-Switch
Input 1	Microphone symmetric*	Microphone	-50 dB	00
	Microphone symmetric 48 V	Condenser microphone	-50 dB	01
	Microphone symmetric	Microphone	-60 dB	10
	Microphone symmetric 48 V	Condenser microphone	-60 dB	11
Input 2	Line symmetric	Studio level	0 dB	00010000
	Line asymmetric		0 dB	00001000
	Line symmetric		-10 dB	10010000
	Line asymmetric	Consumer electronics	-10 dB	10001000
	Line symmetric	XLR Radio receiver	-20 dB	11010000
	Line asymmetric	Mobile phone	-20 dB	11001000
	Microphone symmetric*	Microphone	-50 dB	00110110
	Microphone asymmetric 48 V	Condenser microphone	-50 dB	00110111
Input 3	Line symmetric	Studio level	0 dB	1000
	Line asymmetric		0 dB	0100
	Line symmetric		-10 dB	1001
	Line asymmetric	Consumer electronics	-10 dB	0101
	Line symmetric	XLR Radio receiver	-20 dB	1011
	Line asymmetric*	Mobile phone	-20 dB	0111
Input 4	Line symmetric*	Studio level	0 dB	1000

*Default setting

Example

DIP switch (see table): Position 01 (0= OFF, 1= ON)

Description

Designation and function

Wired remote control for playback of sound sources according to the available inputs

Possible sound sources

Microphones and music devices

Use of the remote control

Together with the input module APS-04 or APS-9000 (without switching on the loudspeaker system).

Adjustments on the remote control

Adjustments to the sound sources

Functions of the remote control

According to the programming of the processor module APS-9000 in the loudspeaker system

ON/OFF switch with operating display

When connected directly to the APS-9000, only the remote control is switched on or off.

Volume, bass and treble controls

Influence the sound of all inputs (input 1–4)

Connection cable to the loudspeaker system

GZ-928 or GZ-927

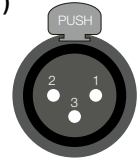
Tasks of the remote control

- Mixing the 4 input signals (input 1–4)
- Activating the current detector circuit on the APS-04

Connections

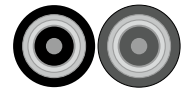
Connection diagram XLR 3-pin (Cannon) (1)

- 1 Ground/Shield
- 2 LF Input (low frequency) sym. +
- 3 LF Input (low frequency) sym. –



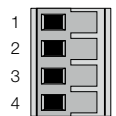
Connection diagram CINCH (RCA) (2)

- 1 Ground/Shield (golden)
- 2 LF Input (low frequency) left/mono (black)
- 3 LF Input (low frequency) right/mono (red)



Connection diagram for the connector block (B)

- 1 Ground (Shield: on 5 for APS-04)
- 2 LF Output symm. + (white: on 3 at APS-04)
- 3 LF Output symm. – (brown: on 2 at APS-04)
- 4 Supply +15 VDC



Technical data

Input sensitivity	
• Microphone	–50 dBu/–60 dBu
• AUX	0 dBu/–10 dBu/–20 dBu
Input impedance	
• Microphone	5 kOhm symmetric
• AUX	50 kOhm symmetric 25 kOhm asymmetric
Connection Input	Symmetric or asymmetric
Phantom power (Ph) for condenser microphones	48 VDC
Output signal	6 dBu
Output impedance	50 Ω symmetric
Connection Output	Symmetric
Symmetrization	Low frequency transformer (with galvanic isolation)
Supply	15 VDC/50 mA
Ambient temperature	–5°C to 40°C
Humidity	15% to 90%, non condensing

Priority of remote control and switching of AF signals

According to the programming of the APS-9000 for the function of the APS-04

Important

The use must be in accordance with the programming!

Bluetooth operating instructions

When switching on, the device LED (white) flashes twice and then goes out. The device has three operating modes that depend on the set configuration: HOME, HIDDEN and HOTEL. The default mode is HOME.

No device connected		
Mode	VISIBLE (Bluetooth device during scanning)	CONNECTABLE (already paired before)
HOME	Yes	Yes
HIDDEN	On request (by pressing the button, visible for 60s)	Yes
HOTEL	On request (by pressing the button, visible for 60s)	On request (by pressing the button, connection within 60s)
Device connected		
All	No	No

Default settings:

Name: g+m APS-44x BT
 Password: 0000
 Mode: HOME
 BT audio channels
 mono conversation: checked
 Led luminosity: 100 %
 Wifi password enable: checked
 Wifi password: g+mCH924512

At the device to be connected, switch to the Bluetooth settings and connect with APS-44x, entering 0000 when the password is requested. The device is now connected to the system.

Accessories

Article N°	Description	Application	Suitable for	Dimensions
63-5105872-01-01	UP EINL.KAST.140	Recessed installation housing	APS-440	190 x 130 x 70 mm
63-1305930-01-01	APS-458 (white)	Frame for wall-mounting, white	APS-440	137 x 197 x 45 mm
63-1308223-01-01	APS-458-RAL9006 (silver)	Frame for wall-mounting, silver	APS-440	137 x 197 x 45 mm
63-1300092-01-01	APS-470	UP-Metal box, weatherproof	APS-442	302 x 341 x 130 mm
63-1300093-01-01	APS-475	AP-Metal box, lockable	APS-442	200 x 250 x 155 mm