



# APG20 MK2

Line & microphone audio receiver gateway

## ► Features

- Audio receiver gateway
- RJ45 bus input (RS485 & Audio)
- RCA Line output
- XLR Microphone output (0 dB & -40 dB switch)
- RS-485 link output (RJ45)
- Including 24V DC power supply
- 24V DC output (RJ45) for transmitter end
- Mounting brackets optionally available (19" rack or desk mounting)

## ► Applications

- Classrooms
- Meeting rooms
- Audiovisual installations
- Presentation rooms
- Residential applications
- Offices
- ...



The APG20MK2 is an audio receiver gateway converting databus transmitted audio signals to standard line and microphone level signals. The audio output of the APG20 can be fed to regular inputs on audio amplifiers, pre-amplifiers, mixers and many more.

In combination with the matching input modules (WLI and WMI) it offers a solutions for two channel audio transmission (line & microphone) covering distances up to 300 meters over standard UTP CAT5E (or better) cabling. Distances up to 600 meters can be achieved when applying additional power supplies.

Due to the differential bus input with increased voltage levels, the received signals are insensitive for noise, interference and attenuation over the long transmission distance. This offers the appropriate solution for high quality audio transmissions in long distance applications while maintaining high quality audio reproduction.

The bus input carrying both audio channels, an RS-485 data channel and 24 Volts distribution to the transmitter end is implemented using an RJ45 connector. The audio outputs are performed using dual RCA (line) and female XLR (microphone) connections. The XLR output is accompanied with a switch allowing selection between a -40 dB and 0 dB output level.

The signals carried on the RS-485 pair of the databus are linked to an RJ45 output connection, allowing daisy chaining to the controlled equipment.

A variety of optionally available mounting brackets are allowing desk, closet or 19" equipment rack installation.

## ► Specifications

SYSTEM SPECIFICATIONS	
Inputs	Audio / RS-485 / 24V DC Bus (RJ45)
Outputs	1 x Microphone output (Male XLR) (Level switchable 0 dB ~ -40 dB)
	1 x Line output (Dual RCA)
	1 x RS-485 data link output (RJ45)
Power consumption	1.2 Watt (PSD241 included)
Power supply	24V DC (PSD241 switching power supply included 100 ~ 240V AC / 47 ~ 63 Hz)
PRODUCT FEATURES	
Dimensions (Width x Height x Depth)	108 x 44 x 165 mm
Weight net	0.76 Kg
Connection standard	TIA/EIA T568B
Required cabling	UTP CAT5E
Max cable length	300 meter (without external PSU)
	600 meter (with external PSU)
Colour	Black
Construction	Aluminum enclosure
SHIPPING & ORDERING	
Packaging	Cardboard box
Shipping weight & volume	1.08 Kg - 0.0078 Cbm
Accessories included	PSD241 - Power supply 24V / 1.67 A (Efficiency Level V)
Compatible devices	WLI18 Wall line input unit
	WMI18 Wall microphone input unit
Optional accessories	ARJ03P junction box
	PSD24x external power supply
	MBS1xx Mounting brackets
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.	

