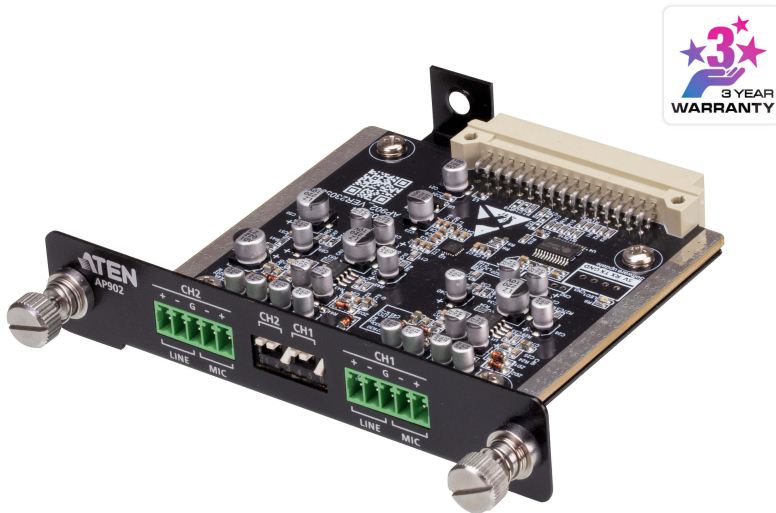# AP902

2-CH Mic/Line Pre-AMP Expansion Card for AP Series

Dedicated for use with ATEN's AP DSP Power Amplifier series, the AP902 is a plug-in expansion card providing the AP amplifiers with dual-channel inputs. It is capable of handling balanced / unbalanced audio signals ranging from mic level to line level, making it easier to combine the amplifiers with sources coming from mixers, media players, or other audio equipment utilized in pro-level live sound applications, enhancing audio system flexibility and versatility. The preamp's circuitry is designed to lower the noise floor and improve the dynamic range to assure superior audio reproduction for the two extra microphone inputs it adds to the AP2 power amplifier series, making it a perfect solution for sound reinforcement applications such as paging systems and lecture halls.
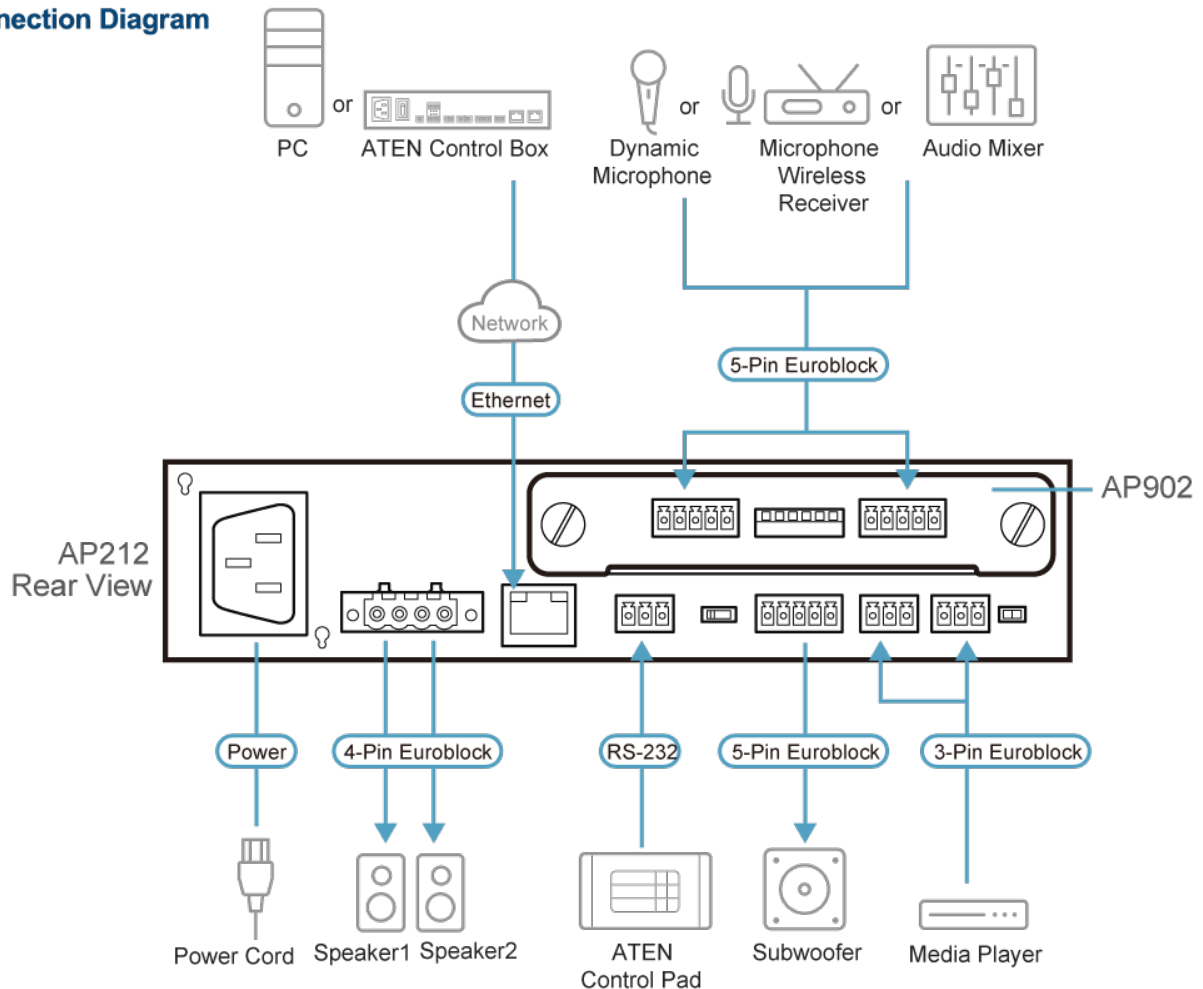
Features

- Dedicated for use with ATEN's AP DSP Power Amplifier series
- Provides AP power amplifiers with dual-channel inputs for easier integration with balanced / unbalanced audio signals at mic / line level
- Adjustable gain level – handles various strength levels of input sources
- Preamp designed to lower the noise floor and improve the dynamic range for high-quality sound performance
- Easy to be installed into the AP power amplifiers' expansion slot

Specifications

Microphone Inputs	
Gain Range	-6~+36dB
Impedance	3kΩ
Line Inputs	
Gain Range	-6~+36dB
Maximum Input Level	+24dBu, Nominal Input Level: +4dBu
Impedance	Balanced: 20kΩ Unbalanced: 10kΩ
System Specification	
Distortion	THD+N: Line In <0.01%, +4dBu @1kHz, 0dB Gain Mic In <0.25%, -20dBu, @1kHz, 0dB Gain
Frequency Response	50~20kHz, +/-0.5dB, Line In to ATEN AP2 Line Out
Compliance	
Certification	FCC, CE, UKCA Tested with ATEN AP2 Amplifier
Environmental	
Operating Temperature	0~50℃
Humidity	0-80% RH, Non-Condensing
Storage Temperature	-20~60℃
Physical Properties	
Weight	0.12 kg (0.26 lb)
Housing	Metal Panel
Dimensions (L x W x H)	11.50 x 2.20 x 11.00 cm (4.53 x 0.87 x 4.33 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

▶ **Connection Diagram**

Note: It is strongly recommended that you use a shielded Cat 5e cable (or higher) for better network connectivity.