

Outreach Plates

- Six Plates Available
- Up to Ten Plates can be Daisy-chained
- Surface Mountable on 25mm Single Gang Back Boxes
- 12-32V DC Operation
- Built in Pre-Amp, Mixer & Level Controls on All Plates
- Optional Wall Mounting 'Afiles Active' & Magnetic Field strength Indicators Available for use with Induction Loop Systems
- Optional DC Power Supply Available



A range of wall, ceiling and desk mountable single gang audio input plates specifically designed to increase the audio input capability of any audio system. A total of six plates are available - one to suit virtually every conceivable variant of audio input connector - and each featuring a built-in mixer, pre-amp, input level control and balancing output.

Up to ten plates of any mix can be daisy-chained to one balanced line level input with cable lengths in excess of 100m easily achievable using standard two-pair audio cable (i.e. Beldon 8723) with no recognisable degradation of audio signal quality.

All plates are surface mountable on 25mm single gang back boxes and can be installed at the most convenient point on an installation, thus overcoming the need for long and potentially hazardous microphone/audio leads.

The system is ideal for conference centres, schools, leisure complexes, etc., where the need to have separate and spatially distributed audio inputs is a must. An external d.c. power supply (part no. APV) is available for stand-alone systems or for use with audio equipment that does not have a 12/24V auxiliary output.

Technical Specification

Individual Outreach Plate Specification

	APJ Plate	APL Plate	APQ Plate	APXM Plate	APXL Plate	APM Plate
Input signal level:	-50dbv (5mV mic)	-12dbv to +6dbv	-50dbv (5mV mic)	-50dbv (5mV mic)	-12dbv to +6dbv	n/a
Gain:	55db	+6db	55db	55db	+6db	55db
Level control:	0db to -46db	-30dbv to +6dB	0dB to -46dB	0dB to -46dB	-30dbv to +6dB	0dB to -46dB
Input impedance:	500 Ω balanced	>10K Ω	500 Ω balanced	500 Ω balanced	>10K Ω	n/a
Phantom volts:	9V/0V (link select)	n/a	9V/0V (link select)	9V/0V (link select)	n/a	n/a
Signal to noise ratio:	>75dB	>92dB	>75dB	>75dB	>92dB	>75dB
THD + noise:	<0.02%	<0.1%	<0.02%	<0.02%	<0.1%	<0.02%
Stock Code:	SP2042	SP10021	SP2041	SP2040	SP2039	N47-618-84

Common Specification:

Input - balanced/unbalanced line:	1v (0dbv)
Output - balanced line:	1v (0dbv) + 6db (overload)
Frequency response:	40Hz - 20kHz
Input impedance:	>10K Ω
Output impedance:	<100 Ω
Insertion loss/gain:	< \pm 0.05db
Insertion signal to noise ratio:	>95db
Insertion THD + noise:	<0.01%

Power Requirements:

Supply volts:	12-32V
Supply current:	12-15mA

The Outreach Plate Range

Up to ten of the following outreach plates can be daisy-chained to an audio system's balanced line level input:-

APJ 3.5mm Jack Plate



Accepts balanced or unbalanced microphones with 3.5mm mono jack plugs. Includes an onboard mic to line level converter, high gain pre-amplifier and 9V phantom power.

APQ 6.35mm (1/4") Jack Plate



Accepts balanced or unbalanced microphones with 6.35mm (1/4") jack plugs. Includes an on-board mic to line level converter, high gain pre-amplifier and 9V phantom power.

APXL XLR Line Level Plate



Accepts standard 3 pin XLR feeds from audio equipment such as stage or church mixing desks, etc.

Ancillary Devices

Should the outreach network be connected to an induction loop system, any number of the following devices can be added:-

API 'Afils Active' Plate



Includes two ultra-bright LEDs in a translucent diffuser overprinted with the induction loop 'ear' symbol. The LEDs illuminate when the outreach network is powered to indicate that an AFILS system is installed. Current consumption is 30mA max.

APL Dual Phono Line Level Plate



Accepts two line-level signals (usually from a stereo source such as a TV, CD, tape or DVD). Includes an on-board dual phono to mono converter. An ALS SCART to dual phono lead is also available to facilitate the connection of TVs, VCRs, etc, to the APL.

APXM XLR Microphone Plate



Accepts balanced or unbalanced microphones with standard 3 pin XLR connectors. Includes an on-board mic to line level converter, high gain pre-amplifier and 9V phantom power.

APM Omni-Directional Plated Mic



A self-contained omni-directional electret microphone complete with on-board mic to line level converter. Ideal for mounting in ceilings, walls or desks, the unit offers excellent coverage (typically up to 25m² when located at a ceiling height of 2.5-3m).

APS Field Strength Meter



Indicates the magnetic field strength generated by an induction loop system via three LEDs, labelled +6dB, 0dB and -6dB. The LEDs illuminate as appropriate whenever a signal is present and can be easily set up to indicate the magnetic field strength in the room.

Materials and Images, courtesy of Signet AC

Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

Protec Fire Detection Plc, Protec House, Churchill Way, Nelson, Lancashire, BB9 6RT