



Redback® Hearing Induction Loop Amplifiers

Hearing induction loop amplifiers are installed to greatly enhance the listening experience of people using hearing aids. They are commonly installed in public areas which are generally noisy, making it difficult for hearing impaired users to hear clearly. Both models have been engineered to meet AS60118.4-2007 and include a compressor/limiter circuit with tailored frequency response ensuring excellent speech intelligibility. They will operate into loads of less than 2 ohms and are short circuit proof. Great for places of worship, community halls, museums etc. Inputs are provided for balanced mic and line, auxiliary and an input with VOX muting for interfacing into venue emergency evacuation system.

The A 4210 80VA model delivers 3.5A RMS, 5A peak and is suitable for areas of approximately 180m². Whilst the A 4212 280VA model delivers 8A RMS, 11A peak and is suitable for areas of approximately 650m². Note that coverage may vary from site to site depending on outside influences such as steel reinforcement, high current electrical wiring etc.).

Features • Designed to meet AS60118.4-2007 • Coverage up to 650m² • XLR line & mic inputs • Aux input via stereo RCA • EWIS signal connection (RCA) • Short circuit proof • Compressor for added speech intelligibility • Adjustable VOX sensitivity • Compatible with single loop designs • 10 year warranty • Australian designed & assembled

Due to complex design criteria, we recommend that these amplifiers only be used where one single loop system will be in use at a time.

SPECIFICATIONS Measurements referenced to 1kHz.

A 4210 drive current:	3.5A RMS, 5A Peak
A 4212 drive current:	8A RMS, 11A Peak
Loop requirements:	0.2Ω to 1.7Ω preferred range
Frequency response:	100Hz to 5kHz @ -2dB, 80Hz to 6kHz @ -3dB target.
THD:	<0.25% @ 50% drive
Compressor:	2:1 for dynamics control (fast attack)
Input:	3 pin XLR, Stereo RCA
Output:	Loop connection via pluggable terminals
Power:	240V AC
Dimensions:	432W x 380D x 88H
Weight:	A 4210 6.4kg, A 4212 7.4kg



Price Each	RRP	2+
A 4210 80VA	750.00	700.00
A 4212 280VA	904.55	840.91

Redback® Handheld Audio Generator

Compact and portable, this handheld battery powered 1KHz tone generator has been designed to test PA systems and in particular hearing loop induction sound systems. The unit produces a 100Hz, 1KHz or 5KHz tone which is fed into the input of the amplifier under test. Two output levels are provided, 100mV and 1V. Includes 9V battery. Size: 79W x 117H x 24Dmm.



Price Each	RRP	2+
Q 2014	170.00	155.00

Redback® Handheld Current Loop Tester

Essential for setting up and commissioning hearing induction loop amplifier systems. This unit is ideally used in conjunction with the Q 2014 tone generator allowing an installer to test the signal generated in the actual 'loop' of the system. The resultant signal is 'induced' into the pickup of the Q 2012 tester and the strength of the signal is displayed on the LED bargraph. It is also ideal for measuring any electrical noise that may be present within the loop precinct. This should be done prior to the loop installation. Signal strength and quality can also be monitored via headphones. Includes 9V battery. Size: 79W x 117H x 24Dmm.



Price Each	RRP	2+
Q 2012	195.00	175.00

Redback® Kiosk Hearing Induction Loop Amplifier



This compact hearing loop amplifier is designed for use in information kiosks, ticketing booths, help desks etc. Anywhere a small loop system is required to aid the hearing impaired. Engineered to meet AS60118.4-2007. A balanced mic input and stereo line auxiliary input is provided. Compact half rack 1RU case. 24V DC operation.

Features • Designed to meet AS60118.4-2007 • Suits small booths 2-3m² • XLR mic input • Compatible with single loop designs • Aux input via stereo RCA • 10 year warranty • Australian designed & assembled • Short circuit proof • Compressor circuitry

Price Each	RRP	2+
A 4205 3VA	250.00	225.00

Hearing Loop Notification Stickers

Pack of 5 labels to inform patrons of hearing aid induction loop installation. 140H x 100W mm. Label is double sided for visibility on both sides of the glass.



Price Per 5pk	RRP	2+
A 4209	29.95	28.50