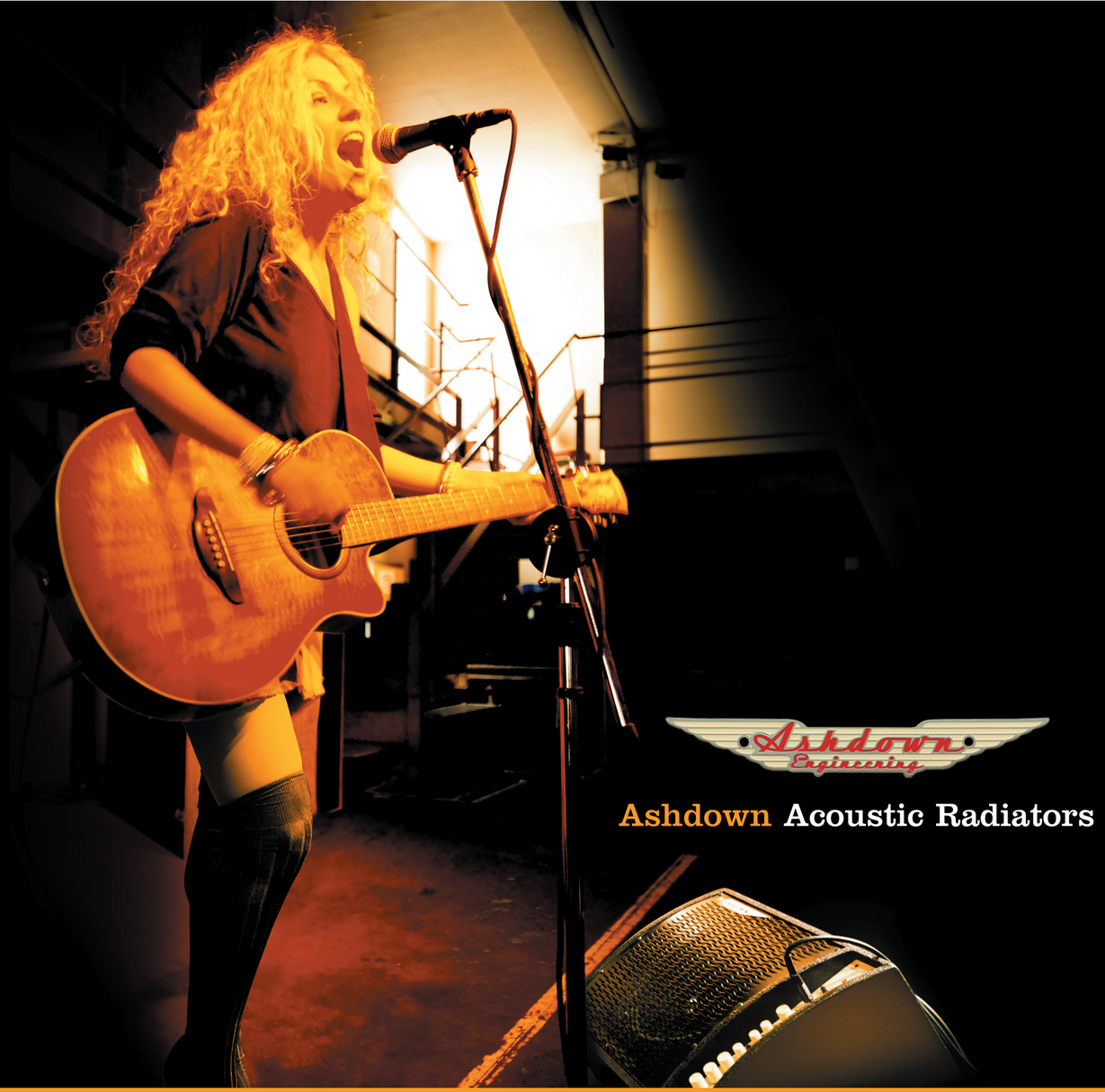
Ashdown Engineering

Ashdown Acoustic Radiators

www.ashdownmusic.com



Ashdown Engineering

Ashdown Acoustic Radiators





Ashdown Acoustic

You probably know us for our bass amps. But way back in 1989, it was actually Ashdown main-man Mark Gooday and his design team that developed the world's first range of dedicated acoustic instrument amplifiers. Fast forward almost 20 years, and there's plenty of amplification for the acoustic musician to choose from. However Ashdown Acoustic Radiators are something very special – a range of two combos and two acoustic wedges that combine feature-packed preamps, hi-fi quality power sections and custom dual-concentric drivers to set new standards for projection, clarity and the elimination of feedback.

With features including separate channels for active/piezo pickup systems and a low impedance microphone (with switchable phantom power), high quality DSP effects, notch filters to tune out feedback, precision EQ and DI outputs, Ashdown Acoustic Radiators are fully equipped for any application from solo performing through to playing with a rock band.

AAR1

100W 1 x 8" Acoustic Radiator





Available in road-ready vinyl covering or a polished cherry wood cabinet, the Ashdown Acoustic Radiator 1 partners a twin channel preamplifier with a 100W high-headroom power stage. A single 8" driver features a dual, polymer diaphragm tweeter array to deliver a wide frequency range and exceptional sound dispersion.

The switchable jack input on Channel 1 accommodates signals from active or piezo pickups, with a Phase switch to assist in the elimination of standing wave feedback and a Shape switch to provide instant access to a sparkling acoustic guitar EQ setting. Channel 2 sports jack and XLR low impedance microphone inputs with switchable phantom power. Independent level controls enable the blending of the mic'd and pickup signals, with independent Bass and Treble controls for both channels. A notch filter is provided to 'tune out' feedback and an on-board digital reverb features Hall/Plate and Long/Short switching.

On the rear panel, a DI output is provided for connection to a PA or recording console, along with an FX send and return and a Line/Link output.

AAR2

160W 2 x 8" Acoustic Radiator





With a 150W output stage and twin 8" dual concentric drivers, the Acoustic Radiator 2 builds on the power and features of the Acoustic Radiator 1 with the addition of independent Phase switches, notch filters, Shape switches and reverb on both channels, DSP chorus effects, an illuminated VU input meter and 5-band EQ, with rotary Bass, Mid and Treble controls supplemented by smaller rotary controls giving 15dB cut and boost at 340Hz and 1.6kHz.

Around the back there are footswitch sockets for controlling the reverb and muting the combo for silent tuning via the Line/Link output, a Line input with level control, an FX send and return and a DI output.



AAR3

AAR3-10 - 350W 1 x 10" Acoustic Wedge
AAR3-12 - 350W 1 x 12" Acoustic Wedge



If you're playing acoustic guitar in a rock band, you need an Ashdown AAR3 Acoustic Wedge. Finished in a tough, PA-style cabinet coating and available with either 10" or 12" dual concentric drivers, the AAR3 uses an ultra-light, highly dynamic 350W digital bi-amped power section for volume levels that really cut through. Plugging directly into the AAR3 puts you in control of your on-stage sound, with a balanced DI output providing a feed to the PA.

There's a full complement of features including a dual channel preamp with high and low impedance, phantom powered inputs, independent level and 2-band EQ controls, a notch filter, 16 digital reverb settings selectable from a rotary control, a reverb level control and output level control. In addition to the DI output, the rear panel features a Line/Link output, FX send and return, and a footswitch connector to mute the reverb.

And when you want to play solo, both combos can be used vertically on a standard PA speaker stand.

Specifications

Specifications subject to change without notice

AAR1

Inputs	
Channel 1 Passive	Impedance 3.9M Ohms / Input range 150mV to 10V p-p
Channel 2 Active	Impedance 10k Ohms / Input range 300mV to 20V p-p
Channel 2 XLR and Jack	Impedance 600 Ohms balanced / Level -20dB to 0dB
Effects Return	Impedance 47k Ohms / Level 0dBu
Outputs	
Line	Impedance 4.7kOhms / Level 0dBu
Effects Send	Impedance 10k Ohms / Level 0dBu
DI	Impedance 600 Ohms balanced / Level -20dBu
General	
EQ	+/- 15dB @ 100Hz and 10kHz
Notch Filter	Frequency 70 to 350Hz / Q = 5
Power Output (RMS)	100W
Speaker Configuration	1 x 8" with dual tweeter array
H x W x D (mm)	440 x 490 x 325
Weight (kg)	11

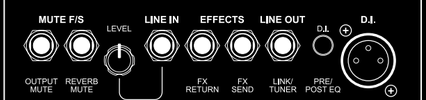
Rear panel connectivity



AAR2

Inputs	
Channel 1 Passive	Impedance 3.9M Ohms / Input range 100mV to 15V p-p
Channel 2 Active	Impedance 10k Ohms / Input range 200mV to 30V p-p
Channel 2 XLR and Jack	Impedance 600 Ohms balanced / Level -20dB to 0dB
Effects Return	Impedance 22k Ohms / Level 0dBu
Line In	Impedance 10k Ohms / Level 0dBu
Outputs	
Line	Impedance 4.7kOhms / Level 0dBu
Effects Send	Impedance 22k Ohms / Level 0dBu
DI	Impedance 600 Ohms balanced / Level -20dBu
General	
EQ	+/- 15dB @ 100Hz, 340Hz, 660Hz, 1.6kHz and 10kHz
Notch Filter	Frequency 70 to 350Hz / Q = 5
Power Output (RMS)	150W
Speaker Configuration	2 x 8" with dual tweeter array
H x W x D (mm)	510 x 590 x 400
Weight (kg)	24

Rear panel connectivity



AAR3-10 & AAR3-12

Inputs	
Channel 1	Impedance 3.9M Ohms / Input range 150mV to 10V p-p
Channel 2 XLR and Jack	Impedance 600 Ohms balanced / Level -20dB to 0dB
Effects Return	Impedance 47k Ohms / Level 0dBu
Outputs	
Line	Impedance 4.7kOhms / Level 0dBu
Effects Send	Impedance 10k Ohms / Level 0dBu
DI	Impedance 600 Ohms balanced / Level -20dBu
General	
EQ	+/- 15dB @ 100Hz and 10kHz
Notch Filter	Frequency 70 to 350Hz / Q = 5
Power Output (RMS)	350W Bi-amped digital
Speaker Configuration	1 x 10" dual concentric or 1 x 12" dual concentric
H x W x D (mm)	AAR3-10: 450 x 455 x 290 / AAR3-12: 500 x 505 x 340
Weight (kg)	AAR3-10: 11 / AAR3-12: 18

Rear panel connectivity

