

McGregor Amplification 1U Amplifier Range Overview

The 1U range of amplifiers have been designed to cover the majority of install venues likely to be encountered This includes shops, cafes, schools, dance classes, aerobics, pubs, clubs and places of worship.

No single pill exists to cure all ailments, similarly no single amplifier exists to cover all applications.

The information below should help installers in making a fast assessment of the main features of a range of amplifiers, that at first glance, may all look the same.

Common features throughout the range include:

- Front mounted on/off switches
- A single XLR or 6.3mm jack connected microphone can always be accessed from the front panel
- Aux line level inputs and slave outputs on RCA phono sockets are rear mounted
- LED VU level indicators show headroom available
- Active clip limiter protects speakers
- Internally adjustable pre limiting threshold, ideal where excess noise level has become an issue
- Low noise proportional speed fan cooling
- Fused IECC mains inlet requires 230V +/- 10%

BGM Series

Available at 100 or 250 watts RMS output power and in only 1 U of rack space.

Application are for systems that require up to two microphones with user adjustable voice override and 3 stereo to mono mixed line inputs.

Optional extras include cabinet sleeve for non rack mounting systems and 100 volt line transformers at 100 or 250 Watts (mono or stereo).

BGS/KA Series

Available at 100+100 or 250+250 watts RMS output power in only 1U of rack space.

This amplifier has 3 microphone inputs with user adjustable voice override and 3 stereo line inputs.

The BGS Series is identical to the KA except the KA has a digital effects processor providing up to 40 different effects for all the microphone inputs.

Ideal where extra power levels or stereo music is a requirement. These amplifiers are proving popular for aerobics, zumba, dance and spin class instructors as well as conventional install applications.

Optional extras include a cabinet sleeve and 100 volt line transformers at 100+100 or 250+250 Watts.

DA Series

Available at 100+100 or 250+250 watts RMS output power in only 1U of rack space.

This amplifier has 2 microphone inputs with user adjustable voice override and 4 stereo line inputs.

It can be used as a stereo amplifier or as a two zone mono amplifier as required.

Unlike the BGS/KA series the DA series has the added feature of separate remote volume controls for each channel and a fire alarm mute interface.

The fire alarm mutes both channels whilst leaving the microphone channels active for evacuation announcements.

Line inputs only exist on the DA Series. This permits an external mixer to be used without going through an input channel there by avoiding additional channel equalisation. The line input bypasses the remote volume control and fire alarm mute system and designers should decide if this is an acceptable feature for their venue.

Optional extras include a cabinet sleeve, single or dual remote volume control panels and 100 volt line transformers at 100+100 or 250+250 Watts.

If different music is required in two or more zones please see the Z2Z or Z4Z series below.

Z2Z Series

Available at 100 or 250 watts RMS power per zone in only 1U of rack space.

The Z2Z series amplifiers permit microphone and music selection for two separate zones and also includes user adjustable mic override.

Each zone can have different music and individual remote volume control as well as fire alarm interface.

Two microphone inputs and 4 stereo line inputs can be selected for either zone.

Status LEDs for each zone indicate music selected, microphone selected, voice override active and remote volume on /off status.

Optional extras include a cabinet sleeve, single or dual remote volume control panels and 100 volt line transformers at 100+100 or 250+250 Watts.

Z4Z Series – (2U)

The Z4Z amplifier is available at 100 or 250 watts RMS power per zone in only 2U of rack space.

The Z4Z series amplifiers permit microphone and music selection for four separate zones and also include user adjustable mic override.

Each zone can have different music and individual remote volume control as well as a fire alarm activation.

A single front or rear connected microphone and 4 stereo line inputs can be selected by any zone.

Status LEDs for each zone indicate music selected, microphone selected, voice override active and remote volume on / off status.

Amplifiers can be interconnected to expand a system to 8 or more zones.

Optional extras include a 2U cabinet sleeve, single or dual remote volume control panels and 100 volt line transformers at 100+100 or 250+250 watts.

SA Series

This compact range of dual channel 1U power amplifiers has been designed to complement the McGregor range of 1U mixer amplifiers.

They are ideal for boosting power levels, driving additional zones, or simply extending bass response with additional bass bins.

250 watts and 100 watts per channel options are available. Features include master volume controls with twin 5 segment LED VU power output displays, active clip limiter (internally configurable off to max), twin phono and 6.3mm jack socket input sockets, twin phono output sockets, speakon speaker sockets and fan cooling via a proportional speed fan.