

GR Series

GR Series are analogue zone mixers for installation applications such as paging and background music systems in restaurants, retail outlets, leisure centres, clubs, theatres and offices. Designed to allow masses of flexibility and functionality at an affordable price, both models feature analogue inputs and outputs, plenty of routing options and a huge number of installer-set parameters, so that the system may be tailored for each installation task. Both units may be set up using front panel controls, and further control options are available using either jumper links or hidden front panel switches so that day-to-day operator controls are kept to a safe minimum. In a world of ever more complex software-based systems, the GR Series keeps it simple and keeps the system sounding perfect.



GR05

The **GR05** is a 5-input, 4-output analogue zone mixer for sound installations requiring 2 mic and 3 stereo line to up to 4 mono or 2 stereo zones. Internal jumpers allow custom configuration protected for day-to-day operation by non-technical staff. Zone volume may be remotely controlled.

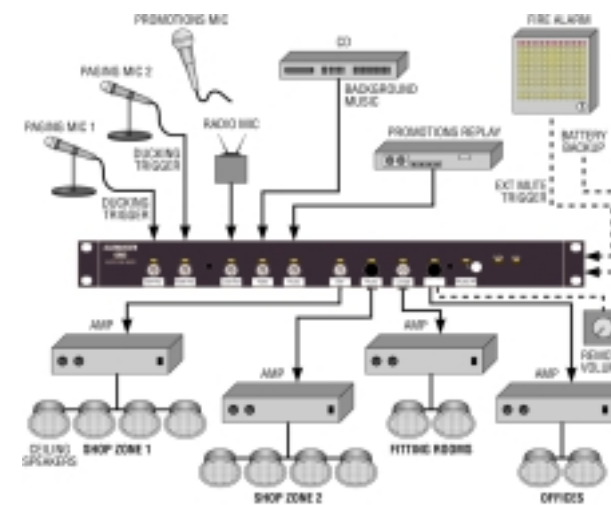


GR2

The **GR2** is a 9-input, 4-output analogue zone mixer for sound installations requiring 6 mic/3 stereo line or 4 mic/4 stereo line to 1 stereo/1 mono zone and aux output. All settings are custom configurable from the front panel and are protected by a cover plate for day-to-day operation. Zone source selection, volume and more may be remotely controlled.

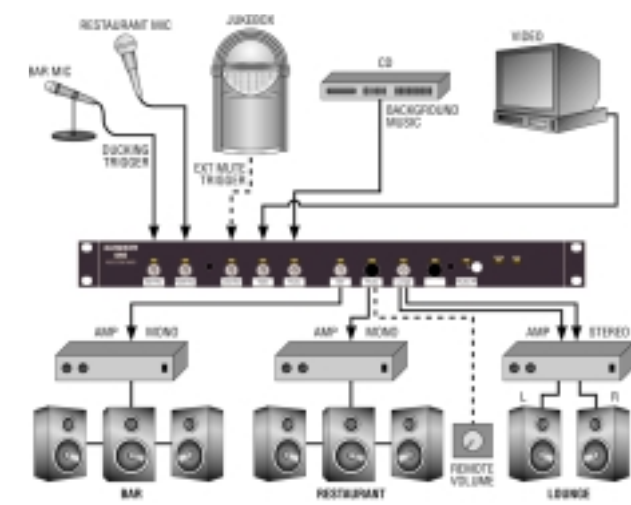


GR05 Applications



Retail

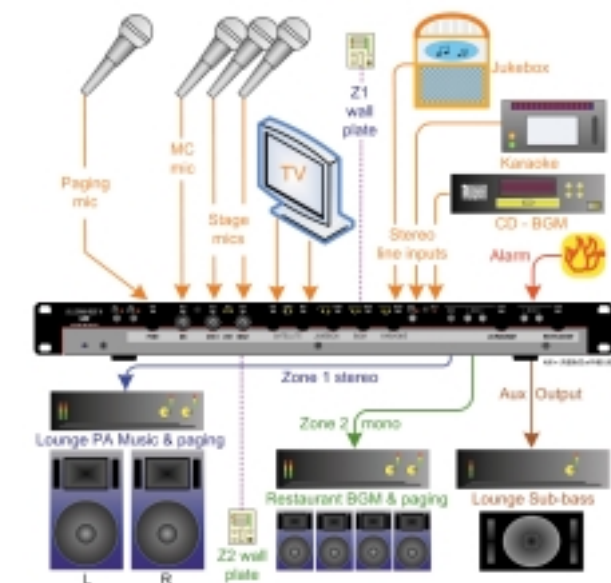
- 4 department zones
- 2 page mics duck music
- Roving mic for promotions
- BGM and pre-recorded sources
- Fire alarm interface
- Remote level control



Bar/Restaurant

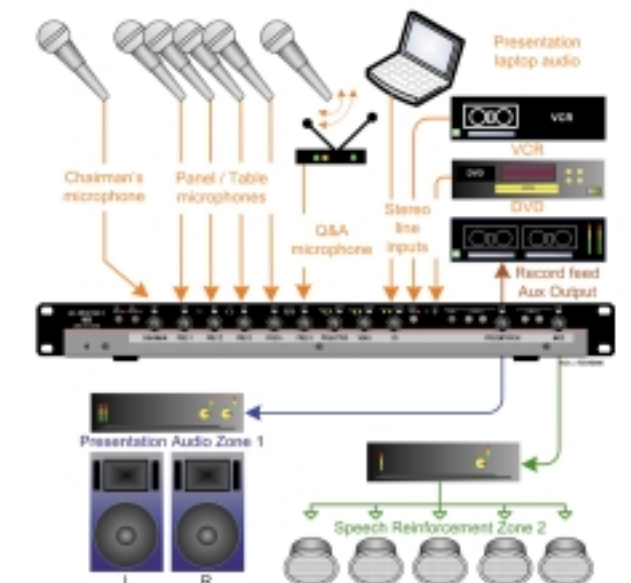
- 1 stereo, 2 mono zones
- 2 page mics duck music
- 3 stereo music sources
- Assignable routing to zones
- Jukebox mut BGM
- Mute music switch

GR2 Applications



Entertainment Area

- Stereo and mono zones
- Filtered sub bass feed
- Page either zone
- 4 mics, page, karaoke, quiz
- 4 music sources with select
- Jukebox priority override



Conference

- Stereo presentation audio
- Mono speech reinforcement
- Aux output for recording
- 6 mics, 3 presentation sources
- Expander input for more mics
- Chairman priority override



The **GR2** is a new 1U rack or desk mount 9-input, 4-output, analogue zone mixer for demanding but budget-conscious installations requiring sound for live entertainment, paging, background music, conferences, presentations and a diverse range of modern architectural applications. The **GR2** offers the installer a host of front panel preset switches and trimmers to meet each special requirement. After installation, the settings are protected by a cover plate and unused controls may be blanked off to keep things simple for non-technical operators. There is a combination of XLR/RCA and screw terminal connectors for pre-wired or plug-and-play installation and extensive remote control capability using standard Cat5 cable.

FEATURES

6 Mic/Line Inputs with EQ

Balanced inputs are provided on terminal blocks for convenient pre-wiring, with Mic 1 duplicated on XLR for quick plug-and-play. Each input has selectable +15V phantom power, protected mic/line pads and gain trimmers. There is a mic priority function for chairman or MC override, and a mic mute. The mic also has dedicated EQ with swept HPF, swept MF and shelving HF. An expander input allows more mics to be added to the mix.

3 (or 4) Stereo Music Inputs

Music channels are provided on RCA inputs with protected -10/+4 level settings. Mic/line 5/6 can be configured as a stereo input providing a 4 mic, 4 stereo line system. Inputs may be configured one at a time, or all together

Paging & Music Priority Override

GR2 offers a dedicated paging channel with tailored EQ for speech intelligibility. The source can be configured from Mic 1 and/or an external input or alarm message and the zone program is ducked when a page signal is detected. Music 1 may be configured as a priority input for jukebox and pre-recorded message override.

Mono & Stereo Zone Outputs

Outputs are available on both RCA and terminal blocks for pre-wiring or plug-and-play operation. Stereo Zone 1 may be configured for music only or music + mics, and mono Zone 2 can be configured for mics, music or music + mics. VCAs are provided for ducking, alarm override and remote level control. Zone 1 features a 2-band EQ and a mono switch.

Mono Aux Output

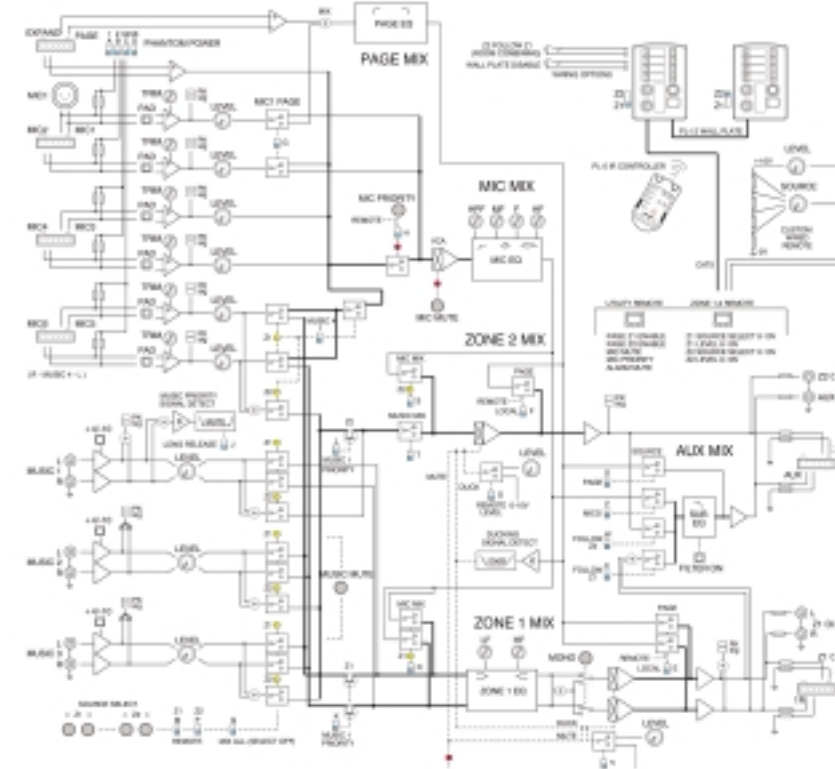
A versatile output for additional zone, mic expander, paging distribution, sub bass and more is provided on RCA and terminal block connectors. It is configurable as page out, mic mix, follow Zone 1 or Zone 2, and has a switchable 100Hz LPF for sub-bass feed.

Remote Control

The **GR2** uses standard RJ45 CAT5 cable for installation. 'Zone remote' allows remote level and source selection for both zones over a single cable. A 10V DC control input is provided for custom wired switches or potentiometer, third party interface or the **ALLEN&HEATH PL-I2** wall plate. The **PL-5** hand-held IR controller is available for use with the **PL-I2**. 'Utility remote' allows remote mic priority and mute switching, page selection and alarm override.

Configuration Protection

All settings are configured from the front panel. Preset dip switches are letter coded, and trimmers recessed for screwdriver access. A cover plate protects the settings and provides space for fitting a custom label. Any of the rotary knobs may be removed and hole plugs fitted as required.



PL Remote Controllers

PL-I2 Wall Plate

Part of the **ALLEN&HEATH PL Series**, this intelligent wall plate provides remote level and source selection for the **GR2**. Two may be connected using a single CAT5 cable, one configured to Zone 1, the other to Zone 2. Additional custom wiring options are provided for Zone 2 follow Zone 1 room combiner switching and a wall plate disable function.



PL-5 IR Controller

This hand-held controller works with the **PL-I2** IR sensor to duplicate the wall plate controls and add further functions including source mute and presets for favourite level and source selection settings.



Technical Specifications

0dBu = 0.775 Volts rms, +4dBu = 1.23V rms, 0dBV = 1 Volt rms, -10dBV = 316mV rms

MIC/LINE input

Balanced XLR (1), terminals	Pad out = >2k ohm, -60 to -20dBu Pad in = >10k ohm, -30 to +10dBu
Phantom power	+15V DC

STEREO input

Dual RCA phono	>10k ohm, -10dBV or +4dBu
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ZONE output

RCA, Z balanced terminals	<75 ohm, 0dBu, +20dBu max
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EXPANDER input

Balanced terminals	>10k ohm, 0dBu
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PAGE input

Balanced terminals	>10k ohm, 0dBu
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Mic EQ

HPF 20-400Hz, MF peak/dip +/-12dB @ 200Hz to 5kHz, HF +/-12dB 10kHz shelf

Zone 1 EQ

LF +/-12dB 80Hz shelf, HF +/-14dB 10kHz shelf
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Page EQ

HPF 150Hz, LPF 8kHz

Remote control

Level 0V = off +10V DC = max Source select 1=2V, 2=4V, 3=6V, 4=8V
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Ducking

Signal detect threshold	-20dB
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Music priority

Signal detect threshold	-20dB
Release	short = 2 sec, long = 12 sec

Signal meters

2-colour LED	signal = -14dBu, peak = +14dBu
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Power supply

100 to 230V 47-63Hz AC, universal mains input 25VA max

Mechanical specifications - Dimensions in mm

1U rack or desk mount (removable rack ears)			
	Width	Height	Depth
Desktop	482mm (19")	44/49mm (1.75")	235mm (9.3")
Weight	3.6kg (8 lb)		