

P.A. MIXER AMPLIFIERS



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BG SERIES



BG SERIES MOSFET MIXER AMPLIFIER

TWO CHANNEL AMPLIFIER WITH VOX

BG100 - 100 WATTS INTO 4 OHMS

BG250 - 250 WATTS INTO 4 OHMS



This dual channel mixer amplifier with voice override has been designed as a cost effective, high performance entry level amplifier with many features only found on more expensive equipment.

FEATURES INCLUDE:-

- * Low Z balanced and unbalanced 6.35mm microphone inputs
- * Microphone volume, bass, treble and priority override with led status indicator
- * Music channel has twin phono line inputs, volume 1, volume 2, bass and treble
- * Master volume control and line output jack
- * 6.35mm jacks for speaker and slave out
- * Active clip limiter
- * Internal 100V line output option available for BG100 only. (use suffix L to order eg BG100L)

BG100 DIMENSIONS:- 435 (W) X 230 (D) X 130 (H) - 5.2Kg.

BG250 DIMENSIONS:- 435 (W) X 230 (D) X 130 (H) - 7.0Kg

PA6 SERIES



PA6 SERIES MOSFET MIXER AMPLIFIER SIX CHANNEL WITH DSP

PA6/300 - 300 WATTS INTO 4 OHMS

PA6/600 - 600 WATTS INTO 4 OHMS



This mono mixer amplifier delivers its full power into a pair of 8 ohm speakers (4 ohm load). This makes it the ideal choice for loud entry level system using a pair of budget speakers. The PA6 high specification includes a 16 bit quality digital effects processor. Its compact size, high performance and competitive price make it the ideal solution for small bands, karaoke and cabaret artists. Suitable for installation and mobile use.

FEATURES INCLUDE:-

- * 12 DIGITAL EFFECTS:- Selected by Up / Down keys with dual colour led indicators, level, repeat, and footswitch controlled
- * Low Z mic inputs, balanced or unbalanced on XLR and 6.35mm jack
- * Volume, bass, middle, treble, PPIs, aux and effect rotary controls on mic channels 1-4
- * Line inputs are on jacks and phono sockets
- * Volume, bass, treble and PPIs are included on both line channels 5-6
- * Master volume, aux send / return, line in and line out with preset level controls on rear
- * Speakon speaker sockets
- * Active clip limiter and power output led display

PA6/300 DIMENSIONS:- 530 (W) X 304 (D) X 136 (H) - 10Kg.

PA6/600 DIMENSIONS:- 530 (W) X 304 (D) X 136 (H) - 12Kg.

V12 SERIES



V12 SERIES MOSFET MIXER AMPLIFIER - 24 BIT VARIABLE SPEED DSP.

V12-500 (250 + 250 WATTS INTO 4 OHMS)

V12-1000 (500 + 500 WATTS INTO 4 OHMS)

V12-1300 (650 + 650 WATTS INTO 4 OHMS)



If your on stage requirements do not exceed four mics and four stereo line inputs why consider a mixer? The V12 mixer amplifier provides all the essential features without the surplus of unused knobs, unused channels and the inevitable bulkiness. The V12 series provides up to 1.3KW of power in only 2U of rack space!! The V12 is user friendly and features a very high quality, low noise variable speed digital effects processor.

V12-500 DIMENSIONS:- 483(W) X 290 (D) X 89 (H) - 12.0Kg.

V12-1000 DIMENSIONS:- 483(W) X 290 (D) X 89 (H) - 13.0Kg.

V12-1300 DIMENSIONS:- 483(W) X 290 (D) X 89 (H) - 14.0Kg.

FEATURES INCLUDE:-

- * Mic channels 1 - 4 have Low Z mic inputs balanced on XLR and unbalanced on 6.35mm jacks, volume, bass, middle, treble, aux and digital effects send, all on rotary controls, and a PPI led
- * Channels 5 - 6 provide four stereo line inputs (two per channel with separate level controls) and each channel has volume, bass, middle and treble
- * Separate overall master volume controls for channel A & B with stereo / mono push switch
- * 12 variable delay digital effects selected by up / down keys with dual colour led programme indicators
- * Overall mix level and variable delay control on all effects
- * Effects include spring line reverb, hall reverb, rev and delay, delay, one shot delay, also chorus, and flange with and without reverb
- * Effects muting is footswitch controlled with blue led status indicator
- * Aux inputs are via RCA phono sockets on the rear panel
- * Aux send and stereo return is via 6.35mm jacks on the rear panel
- * Active clip limiter is internally configurable off to max
- * Fan cooled with low noise proportional speed fan
- * Soft start, thermal trip, and mains inrush limiter
- * Speakon speaker sockets

POWER AMPLIFIER SPECIFICATIONS

Power Output R.M.S.	- As stated above
@ 1KHz into 4 OHMS	- 70 % into 8 ohms
Frequency Response	- 20 Hz - 25 kHz +/-0.5dB
T.H.D.@ rated power	- <0.02% @ 1 kHz
Signal to noise ratio	- Better than 100 dB
Channel Separation	- Better than 60 dB
Thermal Protection	- 90 deg C (V12 & PA series)
D/C Protection	- +/-32V (V12 & PA series)
Short circuit protection	- V12 and PA 6series

Clip Limiter	- Internal, off to max required SPL
Input Sensitivity	- 775 mV / 0dBu
Input Impedance	- 10K
Soft start	- All models except BG series
Damping Factor	- Better than 400
Slew Rate	- 40V/uS
Mains Inrush Limiting	- 250 + 250 W upwards
Mains Input Power	- 230V +/-10% 50-60Hz

MIXER SPECIFICATIONS

Mic inputs	- Balanced or unbalanced 3k3 - 5mV
Line inputs	- Unbalanced >22k - 200mV
Line output	- Unbalanced < 10k - 775mV (0dB)
Headroom	- +22dB. PPI's active @ +19dB
Low	- +/- 15dB @ 50Hz, shelved
Mid	- +/- 8dB @ 680Hz (if fitted)
High	- +/- 15dB @ 12kHz, shelved
V12 DSP	- 24 bit - 12 variable delay progs equiv to 120
PA6 DSP	- 12 progs with variable repeat on delay progs

POWERED SPEAKERS POWERED SUBS



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POWERED SPEAKERS

The McGregor range of powered speakers are fitted with fully featured amplifier modules designed for line level drive in either balanced or unbalanced mode. Features include XLR input and output connectors for balanced inputs. Twin phono sockets for unbalanced L+R summing. Volume, Bass and Treble controls rear mounted. An IECC mains inlet and illuminated on/off switch are also incorporated on the rear control panel. Powered speakers are ideal for DJ booth monitoring as well as application requiring a compact full range PA system driven directly from a mixer desk. The powered speaker modules can be fitted into any of our 10, 12 or 15" loaded cabinets even as a retrospective conversion. Max power output is 450 Watts into 8 ohms. Amplifier features and specifications are the same as used throughout our range and are described in the PA section.

POWERED SUBS

The powered subs have the same facilities as the powered speakers above, but tone controls are replaced with a user selectable variable frequency crossover for use in active mode.

Additionally a passive crossover in all powered subs enables them to drive an 8 ohm unpowered speaker above the passive crossover from the internal amplifier. These subs are ideal for adding to an existing PA system OR for driving directly from a mixer desk and using passive speakers driven from the powered subs internal amplifier.

The powered subs modules can be fitted into the Mytek 210 cabinet or our 12" or 15" passive subs, even as a retrospective conversion.

Max power output is 650 Watts into 4 ohms (sub power).

Additional power to drive an 8 ohm unpowered cabinet above the crossover frequency up to 650 watts is available from the rear mounted speakon socket by using the +2 and -2 terminals.

MYTEK 10/350P 350 Watts powered speaker in Mytek 10-MH enclosure.



10" driver and 60 X 40 dispersion horn.
Weight 20Kg. Dimensions 505(h) x 340(w) x 320(d) mm

MYTEK 12/450P 450 Watts powered speaker in Mytek 12-450 enclosure



12" driver and 60 X 40 dispersion horn.
Weight 23Kg. Dimensions 590(h) x 400(w) x 380(d) mm

MYTEK 15/450P 450 Watts powered speaker in Mytek 15-500 enclosure.



15" driver and 60 X 40 dispersion horn.
Weight 30Kg. Dimensions 650(h) x 480(w) x 380(d) mm



MYTEK 210/650P 650 Watts powered sub in Mytek 210 enclosure.

FEATURES INCLUDE

- * Balanced line input combi socket accepts XLR or 6.3mm jack.
- * Unbalanced inputs L+R are summed by using the twin phono input sockets
- * Balanced line output on XLR
- * Volume control and peak programme indicator led
- * Variable Frequency crossover 55-220Hz for use in active mode
- * Speakon output for mid /hi speaker use in passive mode
- * Active clip limiter, Short circuit and DC protection, soft start and delayed start

Dimensions 635(h) x 303(w) x 465(d) mm Weight 33Kg.

