

21 SERIES SPECIFICATION

	621	1221	1821	2421
Input Channels	6	12	18	24
Stereo Output	Yes	Yes	Yes	Yes
Mono Output	Yes	Yes	Yes	Yes

DIMENSIONS

Width (width packed) mm	457 (600)	673 (710)	889 (930)	1105 (1160)
Depth (depth packed) mm	476 (620)	476 (620)	476 (620)	476 (620)
Height (height packed) mm	90 (160)	90 (160)	90 (160)	90 (160)
Weight (weight packed) kg	9.5 (13.0)	14.0 (19.0)	18.5 (24.0)	23.5 (29.0)

NOISE PERFORMANCE

All faders closed, unity gain	- 94dB	- 94dB	- 94dB	- 94dB (ref 0VU)
Microphone equivalent input noise	- 125.5dB	- 125.5dB	- 125.5dB	- 125.5dB

CONNECTORS

Channel input, stereo and mono outputs; 3-pin XLR-type locking. All others 1/4" jack.

MONITOR OUTPUT

Stereo 1/4" jack socket
 Normal Operating Level = +4dBv
 Maximum Gain = +10dB

HEADPHONE OUTPUT

Stereo 1/4" jack socket - capable of driving stereo phones
 of 4Ω to 600Ω impedance.

TIE BUSS SYSTEM

Stereo Input Stereo 1/4" jack socket tip = left, ring = right, outer = earth Gain to Stereo Output = 0dB
 Stereo Output Stereo 1/4" jack socket Normal Operating Level = +4dBv
 Mono Input Mono 1/4" jack socket Gain to Mono Output = 0dB
 Auxiliary Input Stereo 1/4" jack socket
 tip = cue, ring = echo, outer = earth
 Gain to Output = 0dB
 Auxiliary Output Stereo 1/4" jack socket
 Normal Operating Level = +4dBv
 PFL Input Stereo 1/4" jack socket
 Gain to PFL Output = 0dB
 tip = audio, ring = DC, outer = 0V
 DC connect to 0V = PFL activated
 Floating = PFL not activated
 PFL Output Stereo 1/4" jack socket
 Normal Operating Level = 4dBv
 DC PFL activated = 0V
 PFL not activated = -8VDC into 1 MEGΩ load

INSERT POINT

Unbalanced breakpoint pre-EQ
 1/4" stereo jack
 Input impedance: 5kΩ
 Output impedance: 22Ω

GAIN

Mic Input: +20dB to +60dB (PAD -20dB) 1.5kΩ
 Line Input: -5dB to +35dB (PAD -12dB) 10kΩ (Further 10dB gain available at fader)

EQUALISATION HF 10kHz (shelving) ±15dB
 MF 400Hz-6kHz (Q=1.4) 113dB
 LF 100Hz (shelving) -15dB

HARMONIC DISTORTION

Typically < 0.05%

ALLEN & HEATH BRENELL LTD

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ALL OUTPUTS

Normal Operating Level = +4dBv

Max. Output Level = +21dBv 20Hz to 20kHz Output Impedance = 30Ω

All outputs are protected against damage from accidental short circuits.

STEREO TAPE INPUT

Stereo ¼" jack socket

Input Impedance 40kΩ

Gain to Monitors 0dB or +12dB selectable by an internal connector for either +4dBv or -8dBv normal operation level.

CUE AND ECHO OUTPUTS

Unbalanced ¼" mono jack sockets

Normal Operating Level = +4dBv

Maximum Gain to Output = +10dB

ECHO RETURN

INPUTS

Mono ¼" jack sockets

Maximum Gain to Stereo Outputs = +16dB Input Impedance > 4kΩ

POWER SUPPLY

External, type MPS7 100/120V or 220/240V AC.

Output +/-15V DC, smoothed and regulated

0.5 amps per rail

Input AC mains voltage at 50/60Hz

220/240V setting = 212V to 250V AC } 30VA max

110/120V setting = 106V to 130V AC }

PHANTOM POWER available as an option (specify MPS 7 -P) = 48V DC, smoothed and regulated at 50mA (symmetrical system).

CONNECTIONS

Mains Input = flying 3-core lead 1.5m long

DC Output = flying 4-core lead 1.5m long, terminated in a 5-pin XLR female in-line plug:

pin 1 = -15V DC

pin 2 = OV

pin 3 = OV

pin 4 = +15V DC

pin 5 = PHANTOM POWER (if fitted)

FUSES

220/240V setting = 500mA quick blow 5 x 20mm

110/120V setting = 1A quick blow 1¼"

In line with our policy of continuous product improvement, we reserve the right to amend the design and specification of equipment without notice.