

Technical specifications

General

Worm cable	CAT5e UTP
Maximum Worm length	110M without repeaters. Each repeater adds an extra 110M to the cable length. Repeaters are powered from the Worm. Maximum 32 repeaters per power supply. A power supply can be used at each end of the cable making it possible to use up to 64 repeaters; the cable length limit is then 7,040M without having to use any other external power.
RJ45 connectors	We only recommend the use of Ethercon® shells around RJ45 connectors. An RJ45 is designed to be 'pulled out' when the cable gets tripped over whereas the Ethercon® is designed to 'stay in' and cause embarrassment to the tripee as opposed to silence and lots of head scratching.
Latency	Digital transport 68.027uS maximum Analogue end to end latency 1.4ms
Construction	All Briks are made from 4" x 2" x 10 swg aluminium, hard anodised black (can be anodised other colours to customer requirements). All Briks are fitted with rubber feet and plastic end caps as standard. 19" rack mounting options available on request.
Power supply Brik	
Input	IEC connector There are two versions, one for 230v and one for 110v.
Power	80W maximum
Dimensions (mm)	315.00 x 101.60 x 64.00 overall. Note that rack mounting option increases length to 432.00mm.
Weight	2.1Kg

Technical specifications**Analogue Mixer Brik**

Output connectors (1-24)	Stereo Jack ¼" balanced
Maximum output level 1-24	0db
Maximum input level A-H	+16db
Output level (1-24)	0db maximum
Noise floor	<-90db
Input connectors (A-H)	Stereo Jack ¼" balanced
Input level (A-H)	+16db maximum
LED indicators	Status LED per Stage Brik; Red = not connected or circuit not complete, Green = connected correctly.
Setup connector	4 pin XLR female
Sample rate	44.1 kHz - 48.0 kHz
Memories	99
Power	20W
Dimensions (mm)	360.00 x 101.60 x 64.00 (24 way) 330.00 x 101.60 x 64.00 (16 way) 300.00 x 101.60 x 64.00 (8 way) Note that rack mounting option increases length in all cases to 432.00 and that the connections are right justified; other options available.
Weight	1.6Kg max

Digital Mixer Interface

Output connectors (1-24)	Toslink in ADAT® format
Input connector (A-H)	Toslink in ADAT® format
Sample rate	Determined by mixer from the input Toslink data stream (44.1 – 48.0 kHz)
Memories	99
Setup connector	4 pin XLR female
Power	10W
Dimensions (mm)	360.00 x 101.60 x 64.00 Note that rack mounting option increases the length to 432.00 and that the connections are right justified; other options available.
Weight	1.6Kg max

Technical specifications**Stage Brik**

Output Connector	3 pin XLR male balanced
Maximum output level A-H	+15.9db
Noise floor	<-90db 20Hz – 20kHz rel to max output
Microphone input connector	3 pin XLR female balanced
Line input connector	Stereo Jack ¼" balanced
Maximum input level 1-24	+6db(XLR) +26db (Jack)
Preamp gain	Standard preamp has 5 steps: Start, +12db, +22db, +35db, +45db Approximately 12db per step, this corresponds to 2bits of digital conversion per step.
Pre amp noise figure	0.9 dB relative to 200 ohms 1.9 nV / $\sqrt{\text{Hz}}$
Phantom power supply	48v; up to 10mA per channel (80mA total per Brik)
Channel LED indicators	Phantom power on / off (Left hand Red) Phantom power drawn (Middle Red) Mixer adjusting channel (Right hand Green)
Status LED	Indicates correct connection (Green) or Circuit not complete (Red)
Setup connector	4 pin XLR female
Power	15W maximum
Dimensions (mm)	448.00 x 101.60 x 64.00 including end caps. Note that the rack mounting option keeps the same Brik size of 432.00
Weight	1.6Kg

Recorder Interface

Output connectors (1-24)	Toslink in ADAT® format
Input connector (1-24)	Toslink in ADAT® format
Sample rate	Determined by mixer Brik.
Setup connector	None
Power	6W
Dimensions (mm)	360.00 x 101.60 x 64.00 overall Note that rack mounting option increases length to 432.00.
Weight	1.6Kg max

Note:

An additional feature of the recorder interface is the ability to use the recorder output as the mixer input instead of the stage Brik(s). This is achieved at the mixer end using a setup Brik to put the recorder interface into playback mode and to simultaneously disable the same (1-8, 9-16, 17-24 in groups) stage Brik(s).



Technical specifications

Setup Brik

Input connector	4 pin XLR female
Headphone connector	Stereo ¼" Jack
Volume control	Controls headphone volume
Switches	3 vandal resistant push buttons
Encoder	16 step per revolution
Displays	2 x 0.8" 7 segment red LED displays 16 x 3mm diameter LED VU meter (11 green, 4 yellow, one red) Each LED corresponds to 3db of signal. The top red LED illuminates when the signal is 3db below clipping.

Dimensions

Weight

Computer Interface Cable

BrikWorm™ connector	4 pin XLR male
Computer connector	9 pin 'D' female
Data format	RS232 9600 Baud; one start bit; no parity; one stop bit; no hardware handshaking.
Length	2M

Cable reel

Length	50M or 100M available
Connectors	Ethercon® plug on 'free' end of cable and Ethercon® socket in centre hub of reel.

Dimensions

Weight

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ADAT® is a registered trade mark of Alesis.