

SUGDEN

A48 III Series Amplifier

FACILITIES

INPUTS

Phono (MC or MM), CD, Tuner, Tape, Aux.
(All phono Plugs and Sockets).

PROGRAMME SELECTION

Rotary Selector.

OUTPUTS

Pre Amp out. Tape out, Headphones, Single Speaker Sockets. Bridge out. Note Headphones or speakers are selected by a Rocker switch.

TAPE MONITOR

Allows direct 'AB' comparison from tape recorder on three head machines.

MONO

Applies the incoming signal equally to both channels.

MUTE

Reduces output level by 20dB.

BALANCE CONTROL

3dB channel to channel.

VOLUME CONTROL

Large diameter for sensitive adjustment.

ON/OFF SWITCH

Rocker switch for selection of mains power on/off with separate L.E.D. indicator.

BRIDGE SWITCH

Internal. For bridging output stage and creating left hand channel mono block amp of double amplitude (power).

GAIN/LOADING CARD

Internal plug in board for selection of MM or MC input source.

POWER SUPPLY

Factory selected supply voltage to suit country of destination.

DIMENSIONS

Width 430mm, Height 95mm, Depth 260mm (overall)

FINISH

Matt black finely textured with screen printed Legends in gold.

PERFORMANCE SPECIFICATION

POWER OUTPUT Stereo 52 Watts/channel
Bridged/Mono 108 Watts
(Measured into 8 OHM load at 1 kHz and 0.3% Distortion)

SIGNAL TO NOISE AUX. -105 dB
PHONO. -86 dB

SLEW RATE/RISE TIME at 10 kHz 8 μ S

STEREO SEPARATION -62 dB

INPUT SENSITIVITY (For full output) PHONO M.C. 0.2 mV
PHONO M.M. 3.5 mV
AUX. 150 mV
C.D. 350 mV

INPUT IMPEDANCE M.C. 100 OHM
For standard gain M.M. 47 KOHM
boards. Alternatives AUX. 33 KOHM
available

TOTAL HARMONIC DISTORTION

OUTPUT	Frequency		
	40 Hz	1 kHz	20 kHz
1 Watt	0.022%	0.02%	0.067%
15 Watts	0.055%	0.038%	0.25%
30 Watts	0.046%	0.045%	0.4%

FREQUENCY RESPONSE Referred to 1kHz

	20 Hz	30 Hz	100 Hz	1 kHz	10 kHz	15 kHz	20 kHz
PHONO M.M. dB	-1	-7	0	0	0	-2	-8
PHONO M.C. dB	-5	-1	0	0	0	-2	-8
AUX. dB	-0.4	-0.1	0	0	0	-2	-0.8

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Printed by HART & CLOUGH LTD, Bradford BD7 1PZ

SUGDEN

HANDBUILT HI FI EQUIPMENT

A 48 III Series Amplifier

The A48 III is an integrated stereo amplifier developed for the upper end of a medium priced system. It is a value for money product built to SUGDENS uncompromising standards where both appearance and sonic performance are of the highest priority.

Externally the unit is similar in appearance to our A28 II but internally the similarity ends. Smooth fatigue free listening characteristics are retained through the retention of the power amplifier stage but power output is increased to give more headroom. The pre-amp stages, based on a series of 'OP. Amp' configurations have been adapted to provide a high overload ceiling with an extremely low noise floor level.

The smooth fatigue free listening owes much to the class A circuitry of the power stages. The configuration has been chosen to give the maximum benefits of the better reproduction qualities of class A and the economic output of class B. During the reproduction of both music and speech full output is required only during very short periods. We have chosen a level of class A operation which ensures the majority of your listening will be in class A with short excursions into AB.

In the pre-amp section the same basic circuit is used for MM and MC cartridge inputs. A small plug in gain/impedance card being the only change required. Various cards are available with differing combinations of components to tailor them and match the many cartridges available on the market.

The line input stage performs with a quietness which is equal to the low noise level of the best C.D. Players.

The amplifier performs with the dynamics, stereo imaging, sound stage and separation normally found in more expensive 'separate' combinations.

The power stages have a bridging facility which allows the amplifier output stage to be used as a mono block unit. Coupled with our P28 power amplifier in its bridged mode power output facilities can be increased from 50 watts/channel to over 90 watts/channel. An exciting combination.

Naturally the units are built to Sugdens uncompromising standards, hand built and individually tested to reproduce music for your enjoyment.

The specifications may give you some insight into the performance of the products, but we would prefer you to audition the amplifier yourself. We are sure you will be more than delighted. We are pleased to produce these high quality British products designed and produced by people who really care.

Let Sugdens uncompromising standards be part of the chain which help you to enjoy the real fun, emotion and pleasure of music.



QUALITY RELIABILITY PERFORMANCE