



allen and heath



...the SD12-2

**A high quality
stereo mixing console
probably for less than your
guitar costs...**

SD12-2

INPUT SECTION

Our company has one of the greatest reputations in the business for producing the right mixer at the right price. We have now put our experience of multitrack studio consoles into the design and production of a mixer suitable for permanent or portable sound re-inforcement and recording applications.

The low cost of the unit makes it ideal for up-and-coming musicians, pubs and clubs. The semi-modular construction makes servicing a simple matter. The output and monitoring facilities are such that the SD 12-2 can be used for stereo and four track recording, hence enabling musicians to produce their own demo tapes.

FEATURES

- * Professional XLR mic connectors
- * Post fade direct line outputs on all channels
- * Line inputs on all channels
- * Foldback mix pre fade and eq
- * Foldback equalization
- * 4 band active channel eq.
- * Post fade echo send
- * Stereo echo return
- * Stereo monitor return
- * 4 way stereo monitoring
- * Powerful stereo headphone amplifier
- * Electronic overload proof balanced inputs
- * L.F. roll off for amp and speaker protection
- * Internal power supply
- * Semi-modular for rapid servicing
- * Heavy duty flight case available



INPUT GAIN

Allows optimum noise and distortion figures to be obtained for any signal source.

TREBLE CONTROL

Gives boost or cut of important music harmonics and also control over horn section of 2 or 3 way P.A. systems.

MID 1

Gives presence boost or cut—essential for control of vocals, guitar and snare sound.

MID 2

Controls fundamental sound of voice and instruments over main musical scale.

BASS

Enables low frequencies to be controlled independently of the main music spectrum. Particularly useful in boomy halls.

FOLDBACK

Allows independent mix to be sent to musicians on stage or to external equipment.

ECHO

Sends required amount of post-fade signal to an external echo or reverberation unit.

PAN

Places input signal to desired position in the final stereo image.

P.F.L.

Enables the sound engineer to check each individual channel during a performance with no effect on the main outputs.

CHANNEL FADER

High quality linear fader controls each channel's contribution to the main output mix.

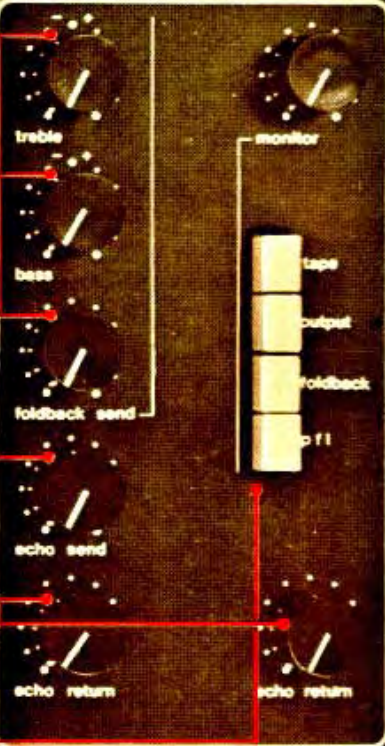
SD12-2

OUTPUT SECTION



FOLDBACK SEND

Gives overall level and equalization to foldback output signal. Allows compensation for different stages or speakers.



ECHO SEND

Master output level to external sound effects equipment.

ECHO RETURNS

Two controls which enable the outputs of effects units to be fed into the main output mix. These controls may also be used for linking two consoles or for replaying stereo tape machines.

MONITOR SELECTION

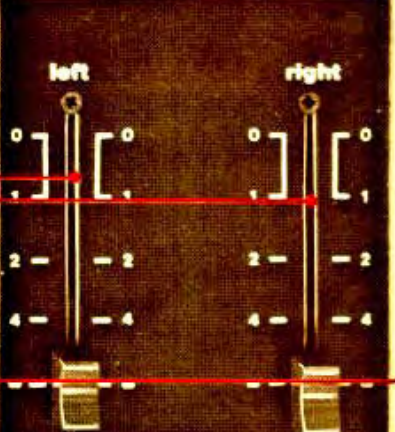
Allows operator to listen in stereo to tape output, main mix, foldback mix or individual channels (PFL) without disturbing the main outputs from the desk. The selected monitor signal is also displayed in stereo on the twin VU meters.

OUTPUT FADERS

Provide overall control of main outputs to sound system or tape machine.

HEADPHONES

For listening to output of monitor selection circuit.



SD12-2

PERFORMANCE SPECIFICATION

CONSTRUCTION

Semi-modular

FORMAT

12 into 2+1+1

OUTPUT

Programme

+18dBm (6V into 600 ohms) max

Foldback

+18dBm (6V into 600 ohms) max

Echo Send

+18dBm (6V into 600 ohms) max

HEADPHONES

500mW per channels into 8 ohms

INPUT SENSITIVITY

-61dB for +4dBm programme output

FREQUENCY RESPONSE

40 - 20kHz ± 1.5 dB mic

20 - 20kHz ± 1.5 dB line

NOISE

Equivalent input noise at full gain -124dB

Output noise at full gain -60dB

INPUT ATTENUATION

0 to 60dB continuously variable

INPUT CLIPPING LEVEL

mic level - not possible under normal conditions

line level ± 15 dBm

DISTORTION

mic in - less than 0.4%

line in - less than 0.05%

EQUALISATION

± 12 dB at 12kHz, 2.6kHz, 700Hz, 150Hz

INPUT IMPEDENCE

mic 1k Ohm at 40dB gain

line 50k Ohm bridging

echo 10k Ohm

OUTPUT IMPEDENCE

All outputs less than 100 ohms

Recommended load impedance 600 ohms or greater.

POWER REQUIREMENTS

25W Max. at 240V or 120V

PHYSICAL DIMENSIONS

109mm \times 525mm \times 712mm (tapering to 35mm at front)

WEIGHT

20kg



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