

ALLEN
&
HEATH

SABER



Photo: J. Cumpsty HSR

Allen & Heath, the pioneers of the compact recording mixer, now offer a new high performance console – the Saber 8.

Resulting from years of research and experience, the Saber 8's features include on board mute sequencing software making it ideal for use with 8, 12, 16, 24 or 32 track recorders. The smallest 16 channel model provides 40 simultaneous inputs, 32 of which include EQ.

■ MULTITRACK COMPATIBILITY

16 track monitor inputs with EQ and aux send are included on all models.

Multitrack playback is also available via input channels so up to 32 tracks can be replayed, plus the 16 monitor returns.

The output connections to multitrack from the eight console subgroups are located on the input channels and are controlled on each channel by a group (bus) – direct output selector. The subgroups outputs are duplicated for each set of eight channels, 1–8, 9–16, 17–24, 25–32. The 16 channel model has 16 multitrack outputs each switchable between subgroup source and channel direct output. A total of 32 outputs are available on the 32 channel model.

8, 12, 16, 24, 32 track formats can be used.

+4dBu or –10dBV interface level is selected externally by pushbutton on the rear panel.

■ AUX SEND SYSTEM

This permits input channels and multitrack monitor returns to contribute to six echo send mixes and the stereo cue send with talkback.

■ STR. ASSIGN SWITCH

Remix operations requiring subgroups are easily achieved using the STR (Stereo) assign switch for sending sub-groups to the mix. All 16 monitor returns remain available as inputs to the mix with EQ, aux send and Mute Automation for additional line inputs or track mixing.

■ SOLO IN PLACE

In addition to the usual PFL facility, which switches monitor loudspeakers and meters, Saber 8 include Solo-in-place which mutes all other inputs and monitor returns. The 6 echo returns do not mute so the source is heard with its echo treatment. The dual function PFL/Solo system is provided by the CHECK pushbuttons.

■ The provision of additional LINE inputs on channels and monitors allows additional input sources (samplers, drum machines, etc) to be connected for selection by pushbutton as required.

■ EXPANDER KIT

Successful users will expect to grow; starting at 8 track and going on to 16 track; starting at 12 track and going to 24 track, etc. With SABER 8's input expansion capability the console can be retained and the upgrade for the user involves only exchange of the multitrack machine. Because channels include both the input and output connections required for the multitrack, expansion of the console is a true system upgrade. The 8 channel expander unit is available for retro-fit addition to the 16 and 24 channel models.

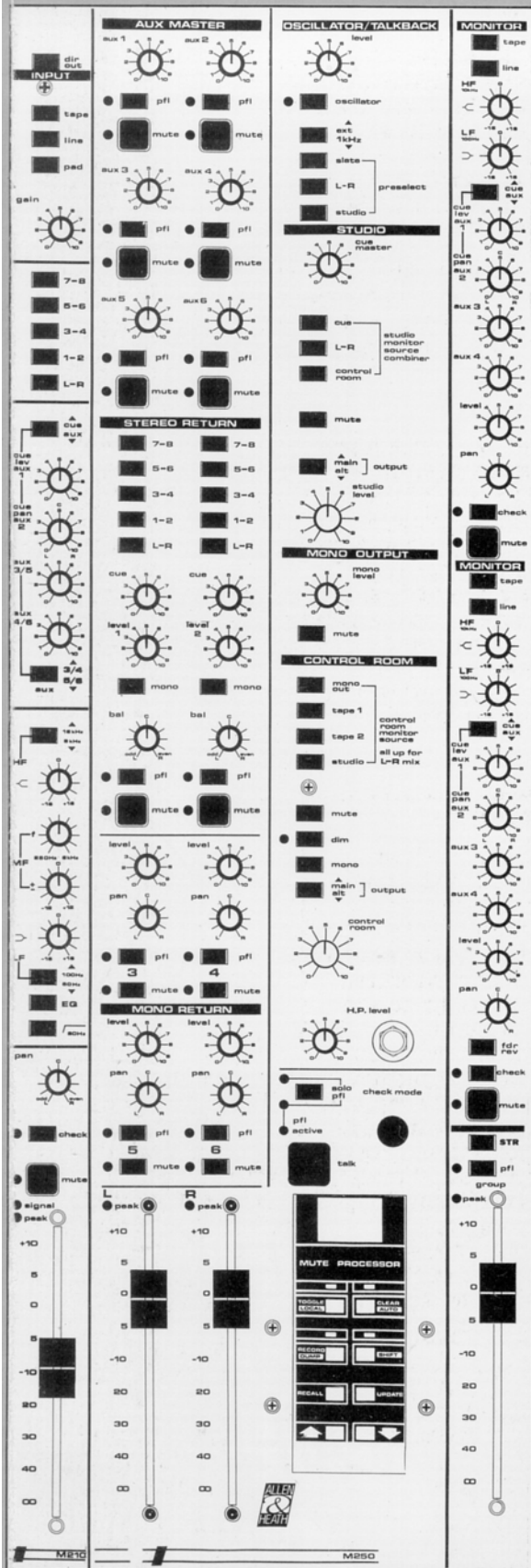
■ MUTE AUTOMATION

Mute Automation is included as standard in its most advanced and user-friendly form. Mute sequencing memory is in the console, the memory of the external MIDI sequencer remains dedicated to musical MIDI data. The console only requires MIDI clock for synchronisation with the musical performance. For more advanced operations the console and external sequencer can exchange mute data in System Exclusive form for editing and archiving purposes. Channel, tape return, aux send and aux returns are all under Mute Automation control, a combination which gives great creative freedom for effects control, and is unique in consoles of this class.

Format of the available models are:

16 channel 16 : 8 : 16
24 channel 24 : 8 : 16
32 channel 32 : 8 : 16
8 channel expander

Each model includes the 16 track meterbridge. VU or LED bargraph versions are available for all models.



INPUT SUMMARY

- 16, 24 or 32 channels.
- Mute switch with LED indicator and V4 mute automation.
- Responsive input EQ, switched HF, sweep mid band, switched LF, and switched high-pass filter.
- Mic, track and line inputs with front panel switching.
- Ext. switched +4 or -10 track level.
- Direct output per channel, switchable between channel or buss.
- Insert send/return per channel.
- Stereo cue and six mono aux mix sends.
- PFL/Solo-in-place dual function check system.
- Phantom Power +48VDC individually switched per channel.
- Input level indication by peak and signal presence LEDs.

MASTER FACILITIES SUMMARY

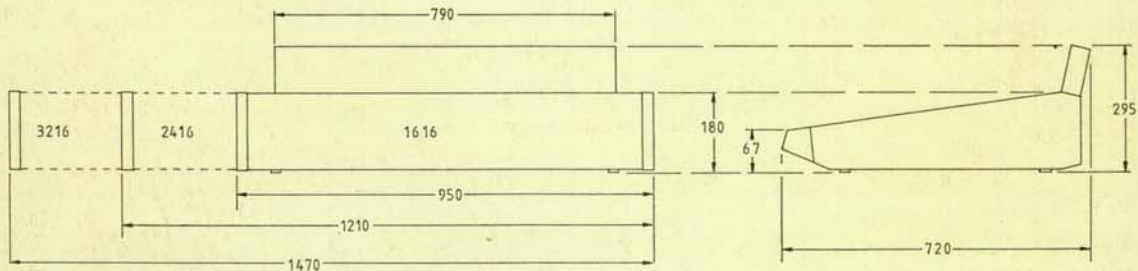
- Master stereo and mono outputs with 100mm Left and Right faders, peak indicators, insert points and balanced XLR output connections.
- Six auxiliary send master outputs each with PFL and output mute automation.
- Stereo outputs for two speaker monitor circuits and two cue/foldback circuits with reverse TB input.
- Stereo headphone monitor circuit with front panel socket.
- Two stereo return input are Solo safe and have mute automation.
- Four mono return inputs.
- Two stereo tape monitor inputs.
- Talkback to cue, main and group outputs.
- Internal calibration 1kHz oscillator.
- Mute Automation keyboard and MIDI in, out, thru connections.

OUTPUT/MONITOR SUMMARY

- 8 sub-groups with multitrack output jack and insertion point and peak indicator.
- Group PFL check facility.
- Duplicate outputs for convenient connection with 8, 16 and 24 track machines using standard cable sets.
- +4 and -10 externally switched output level.
- Fader reverse for monitors 1-8.
- Group-to-mix switch.
- 16 monitors for multitrack mixdown. Each having:
 - ▶ Mute with LED and mute automation.
 - ▶ Group, track and line inputs.
 - ▶ HF and LF EQ.
 - ▶ Stereo cue and two mono auxiliary sends per monitor.
 - ▶ PFL/Solo-in-place check system.

PERFORMANCE SPECIFICATION

■ OPERATING LEVELS:	MULTITRACK IN/OUT +4dBu or -10dBV switchable, MAIN L/R OUT, AUX OUT etc +4dBu.
■ FREQUENCY RESPONSE:	20Hz to 20kHz, +0dB, -1dB
■ NOISE:	Microphone equivalent input noise -127dBu, group output noise -86dB ref OVU, L-R mix noise -78dB ref OVU, 20kHz bandwidth
■ CROSSTALK:	Input to output -80dB 1kHz, -70dB 100Hz -10kHz, Mute shut off -80dB 1kHz, -70dB 10kHz, L-R separation -70dB 1kHz, -60dB 10kHz
■ DISTORTION:	THD at normal levels less than 0.02% 100Hz -0KHz
■ GAIN:	MIC in to group out, 75dB max, gain range 44dB continuously variable, 16dB pad. Input and group faders have 10dB boost available. TAPE in -2dB to +42dB continuously variable. LINE in -4dB to -48dB continuously variable. 16dB pad operates on MIC, TAPE and LINE inputs.
■ CONNECTIONS:	MIC IN, L/R/MONO OUT, AUX 3/4 OUT, XLR electronic bal pin 2 +. GROUP OUT, AUX 1/2/5/6, 1/4 inch jack unbalanced (Group out balanced option). LINE IN, TAPE IN, 1/4 inch jack electronic balanced. DC POWER, locking 5 pin XLR, use external power supply RPS5.
■ CONSTRUCTION:	Modular steel chassis system with modular control panel system. Input module system; eight input channel units. Output module system; 8 groups, 16 monitors, master outputs. Vertical rear connector panel for all inputs and outputs. Service access to all modules is by removal from the chassis.



Meter bridge centred on each chassis size.

Weights incl PSU (unpacked) : 1616 44 Kg, 2416 55 Kg, 3216 66 Kg

Export distribution:

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