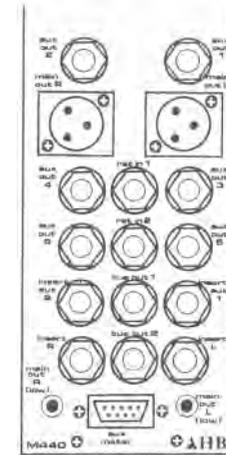
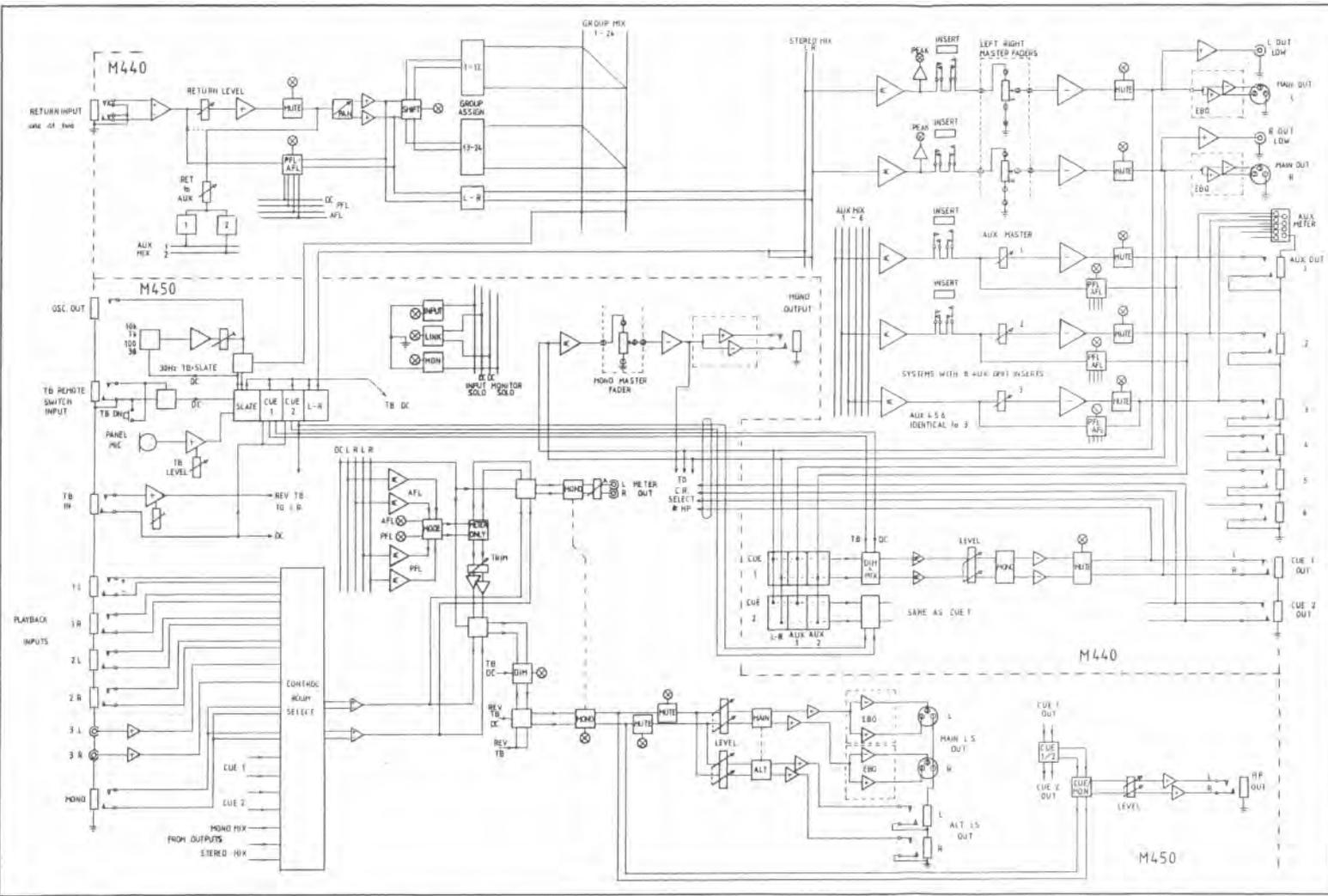


AHB

sigma series



M440 AUDIO CONNECTIONS

Outputs at +4dBv level from Aux mixes 1-6. Unbalanced.

XLR electronic balanced main outputs at +4dBv level for Left and Right monitor — remix group. Compensated for unbalanced operation at constant level.

Electronic balanced return inputs 1 and 2 at 0dBv level.

Unbalanced stereo outputs for Cue 1 and 2 at +4dBv level. Tip is Left.

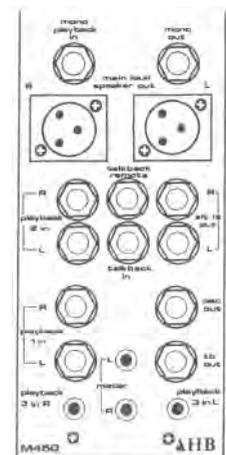
Insertion points for aux outputs 1 and 2 pre master level at +4dBv level. Tip send.

Insertion points for main outputs pre fader at 0dBv level. Tip send.

300mV output from main outputs on RCA phono socket.

Aux meter internal patch-point for output meters.

Console versions having eight aux outputs do not have Aux inserts 1 and 2.



M450 AUDIO CONNECTIONS

Electronic balanced output mono sum of stereo monitor—remix output.

XLR electronic balanced control room loudspeaker monitor output at +4dBv level.

Pin 2 is + phase. Compensated for unbalanced operation at constant level.

Unbalanced left and right alternative loudspeaker monitor outputs.

Input for remote talkback key.

Input for external reverse talkback mic with control circuit.

Unbalanced output from internal oscillator at preset level.

Output from internal talkback mic and preamp.

Playback inputs to control room source selector.

1 and 2 stereo electronic balanced inputs at +4dBv level.

Mono is electronic balanced at +4dBv level.

3 is stereo at 300mV level on RCA phono sockets.

Internal patch-point for L and R monitor meters.

M440 M450 OPERATING SYSTEMS

All Sigma formats include the pair of master modules M440 and M450 which occupy four module positions, usually between inputs and outputs or located centrally, though end locations can be achieved. Accompanying these modules are three faders, two for the stereo monitor-remix output and one for the mono sum of this output. Additional space to the right of the mono fader provides space for custom remote control switches to be fitted.

The stereo output has a multiple role depending on the application, it may be the main output for record or transmissions, or the monitor mix during multitrack sessions. The mono output is

fed and summed from the stereo output post fader. In addition to the auxiliary send master controls two stereo cue sends provide stereo foldback from a combination of Aux 1 and 2 and the stereo mix, with talkback. Two return input sections with assign are not part of the solo mute system so remain live during solo passages.

C R Monitor controls include eight programme sources, stereo and mono, the Mono pushbutton below Dim, allows checks on stereo sources. The monitor Left and Right meters follow the C R sources selection. PFL and AFL override speakers and meters,

both are in stereo though PFL of a mono source is two channel mono. The "meter only" pushbutton inhibits speaker interrupt for PFL and AFL, the monitor meters still respond. The C R system includes automatic reverse talkback switching when talkback to either cue is in progress. Reverse talkback audio reaches the speaker output and programme is dimmed. Outgoing talkback is preselected to four destinations, the large key initiates talkback and dims the loudspeakers. An input is provided for a remote talkback "on" key in parallel with the panel key for use by the producer or second engineer.