SECTION III

OPERATION

3-1. INTRODUCTION.

3-2. This section provides operating instructions for the Stereo 5 Console.

3-3. CONTROLS AND INDICATORS.

3-4. All operating controls are contained on the console front panel. Figure 3-1 shows the front panel controls and indicators and provides reference to table 3-1 which describes the function of each control and indicator.

3-5. CONTROL ADJUSTMENTS.

3-6. GENERAL.

3-7. The Master Gain controls for the Left Program Channel (2R27) and the Right Program Channel (2R28) are internal adjustments. All Mixing Channel gain adjustments should be made with the Master Gain controls set as delivered from the factory. In this position, the Master Gain controls remove 16 dB of gain from each circuit. This position is the best choice in providing adequate operating margins of signal-to-noise and "headroom".

3-8. PROCEDURE.

a. Set the CUE and MON GAIN controls at mid-range and all Mixing Channel attenuators at "12" on the dial (about 1:00 o'clock position). Apply power to the console.

b. With a program signal on one of the medium level inputs (for example input 1, Ch. 3) depress the appropriate input selector switch and set the CH. 3 key switch to the "P" (Program) position. The VU meters should respond to the program level variations. Adjust the program levels at the source of the signal (Tape Recorder, etc.) for a proper indication on the VU meters.

c. Set the MON SELECT switch to PGM and adjust the MON GAIN control for a comfortable level from the Control Room monitor speaker.

d. Place the CH. 3 key switch in the "A" (Audition) position; this removes the signal from the Program Channel and connects it to the Audition Channel. The VU meter will not respond to program level variations. Resetting the MON SELECT switch to Audition allows monitoring of the Audition Channel with the same monitor speaker level as before.

1539

WARNING: Disconnect primary power prior to servicing.

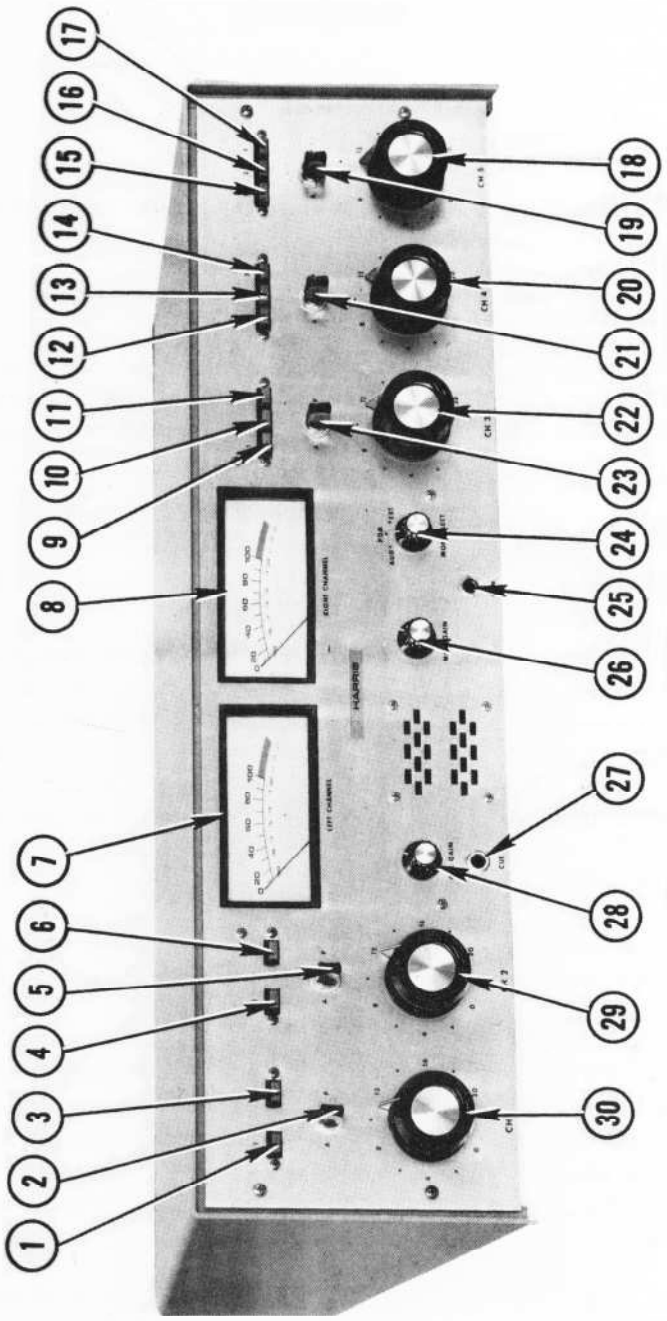

Figure 3-1. Controls and Indicators

Table 3-1. Controls and Indicators

REF	CONTROL/INDICATOR	FUNCTION
	Mixing Channel Input Switches	Push-to-lock, push-to-release type switch that, when depressed and locked, selects the indicated signal source for input to the associated Mixing Channel.
1	Mixing Ch. 1, Input 1, 3S1A/3S2	
3	Mixing Ch. 1, Input 2, 3S1B/3S3	
4	Mixing Ch. 2, Input 1, 4S1A/4S2	
6	Mixing Ch. 2, Input 2, 4S1B/4S3	
9	Mixing Ch. 3, Input 1, 5S1A	
10	Mixing Ch. 3, Input 2, 5S1B	
11	Mixing Ch. 3, Input 3, 5S1C	
12	Mixing Ch. 4, Input 1, 6S1A	
13	Mixing Ch. 4, Input 2, 6S1B	
14	Mixing Ch. 4, Input 3, 6S1C	
15	Mixing Ch. 5, Input 1, 7S1A	
16	Mixing Ch. 5, Input 2, 7S1B	
17	Mixing Ch. 5, Input 3, 7S1C	
	Mixing Channel Key Switches	P (Program) position: applies the output of the Mixing Channel to the Program Channel. A (Audition) position: applies the output of the Mixing Channel to the Audition Channel. Center position: OFF for Mixing Channels 1 and 2. On channels 3, 4, and 5, connects output to Cue bus.
2	Mixing Ch. 1, S1	
5	Mixing Ch. 2, S2	
23	Mixing Ch. 3, S3	
21	Mixing Ch. 4, S4	
19	Mixing Ch. 5, S5	
7	LEFT CHANNEL VU METER, M1	Standard volume indicator used in conjunction with the Mixing Channel attennators to establish a reference volume level of OVU which is equivalent to an output level of +8 dBm.
8	RIGHT CHANNEL VU METER, M2	

Table 3-1. Controls and Indicators (Continued)

REF	CONTROL/INDICATOR	FUNCTION
	Mixing Channel Attenuators	Provide attenuation of selected input signals to establish the desired volume reference level as indicated on the LEFT and RIGHT CHANNEL VU meters.
18	CH. 5, AT5	
20	CH. 4, AT4	
22	CH. 3, AT3	
29	CH. 2, AT2	
30	CH. 1, AT1	
24	MON SELECT Switch, S6	Provides selection of the following inputs for the Monitor System: AUD (audition), PGM (program), and EXT (external program source).
25	PGM headphone jack, J1	Provides front panel connection for 600 ohm stereo headphones.
26	MON GAIN control, AT6	Controls gain of Monitor Circuit and is used to establish desired volume of monitor speakers after Mixing Channel attenuators have been set for proper indication on VU meters.
27	CUE headphone jack, J2	Provides front panel connection for 600 ohm headphones.
28	CUE GAIN control, AT7	Controls gain of Cue circuit and is used to establish desired volume level of Cue speaker/headphones after Mixing Channel attenuators have been set for proper indication on VU meter.

NOTE

Input selector switches are push-to-lock push-to-release type switches. To prevent multiple sources from being inputted simultaneously, release the unwanted input before selecting the desired input.

e. Depress the Input 1, CH. 4 input selector switch. Set the CH.4 key switch to the "P" (Program) position, and note that the VU meter is indicating program variations which are now controlled by the Channel 4 attenuator. Audition and Monitoring operate in the same manner as Channel 3, described previously.

f. Set the Ch. 4 key switch to the center position, and adjust the Cue Gain control for a comfortable level from the cue speaker or headphones.

g. Similarly, operate the other medium-level inputs, adjusting the program level at the source of the signal. This technique allows all channel attenuators to be used in approximately the same position ("12" on the dial) for normal VU meter indications.

h. Depress the CH. 1, Mic input 1 and set CH.1 key switch to the "P" (Program) position. Speaking about one foot from the microphone should produce a normal indication on the VU Meters. The microphone signal may be switched to the Audition Channel by setting the CH. 1 key switch to the "A" position. If the muting assignments are correct, the monitoring speakers near the microphone will be muted and the warning lights in the area will be ON. Similarly, operate Channel 2 to check levels and muting assignments.

1539