

**allen and heath**

modular series mixing console



## Design Theory

The Allen and Heath modular series console has been designed to economically meet the needs of the multitrack recording studio. The emphasis is on maximum facility at a moderate price.

The console includes all the many sophisticated functions that the recording engineer needs for up to sixteen track recording and mixdown.

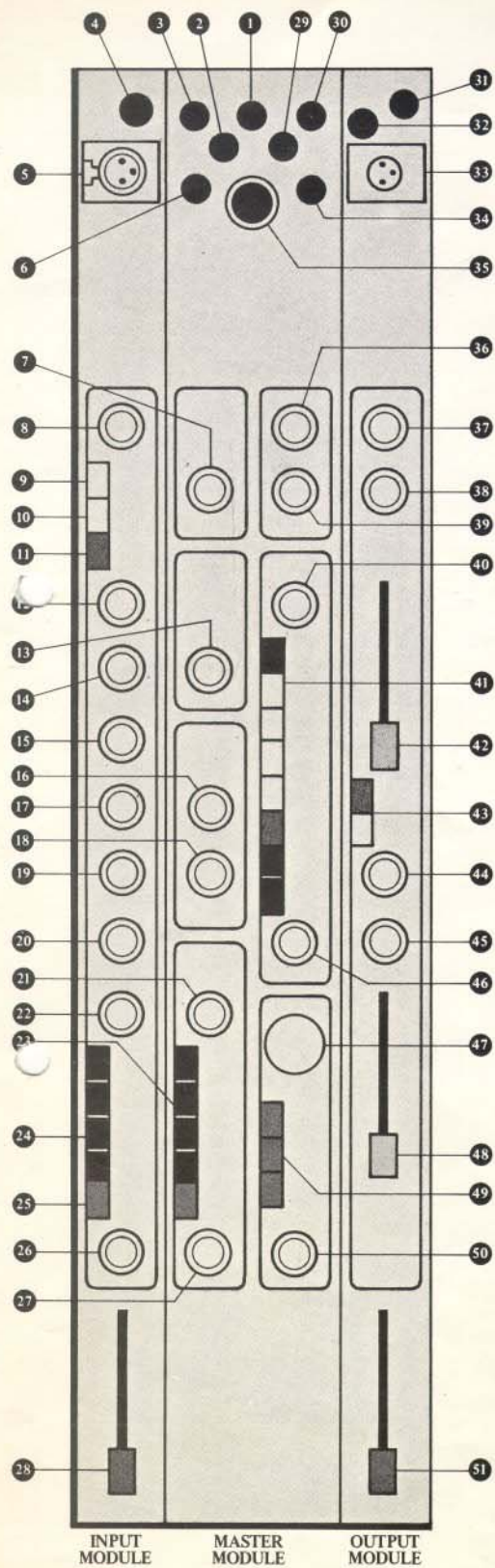
These facilities are coupled with modular construction, for easy expansion; efficient layout and attractive design to provide an exceptionally flexible mixing console.

## Features

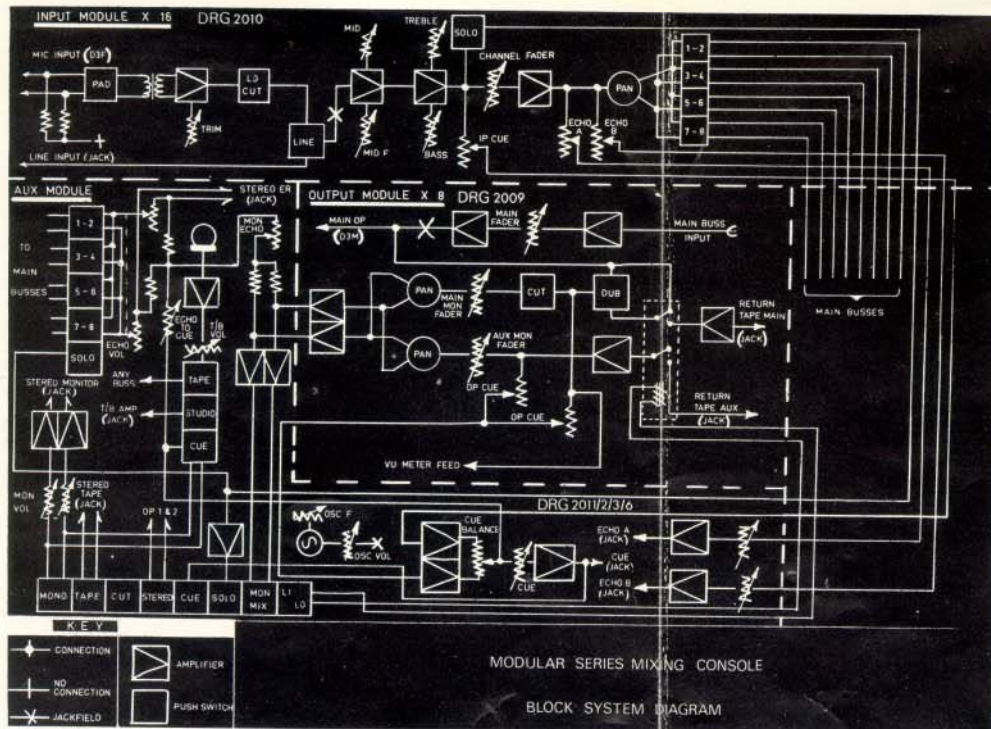
Up to 16 input channels  
Up to 8 mix buss  
Up to 16 channel monitor mix  
Modular construction  
12 volt phantom powering  
Studio/cue talkback and slate  
3 range equalization with parametric mid-frequency  
Full patching facility  
Complete monitoring facility  
Overdub function for up to 16 track  
Stereo mixdown function  
Two echo systems  
1 kHz to 10 kHz oscillator

1. Studio talkback output
2. Echo send No. 2 output
3. Cue output
4. Line input
5. Lo-Z Mic input
6. Echo send No. 1 output
7. Echo send master level No. 1
8. Input gain control, 50dB gain control
9. 20dB Mic pad
10. 120 Hz lo cut filter
11. Mic line switch
12. 10 kHz equalizer  $\pm 16$ dB
13. Echo send master level No. 2
14. Mid equalizer frequency control  
1.8 kHz to 7.5 kHz
15. Mid equalizer boost/cut control  $\pm 14$ dB
16. Cue derivation control,  
pan between inputs or outputs
17. 100 Hz equalizer  $\pm 16$ dB
18. Cue send master level control
19. Cue send level from input channel
20. Echo send level from input channel
21. Echo return to cue system,  
mono mix of echo return 1 & 2
22. Echo send level from input channel
23. Echo return assign and solo
24. Input channel assign
25. Input channel solo
26. Input channel pan control





- 27. Echo return master
- 28. Input channel fader
- 29. Stereo control room monitor output
- 30. Echo return 1 & 2
- 31. Auxiliary monitor mix input, tape playback
- 32. Main monitor mix input, tape playback
- 33. Line output
- 34. Stereo tape playback input
- 35. Power input connector
- 36. Oscillator frequency control, 1 kHz to 10 kHz
- 37. Auxiliary monitor mix cue send
- 38. Auxiliary monitor mix pan control
- 39. Oscillator level control
- 40. Echo return to monitor system
- 41. Monitor select switches
- 42. Auxiliary monitor mix fader
- 43. Over dub (sync) and monitor channel cut
- 44. Main monitor mix cue send
- 45. Main monitor mix pan control
- 46. Monitor master output level control
- 47. Talkback mic
- 48. Main monitor mix fader
- 49. Talkback switching to studio, cue, or slate
- 50. Talkback level
- 51. Output channel fader



### Modular Specifications

#### MIC INPUT:

Impedance..... Greater than 200 Ohms balanced  
 Sensitivity..... -80dB  
 Attenuation..... 20dB switchable  
 Gain control..... 40dB continuously variable  
 Equivalent input noise..... -126dBm

#### LINE INPUT:

Impedance..... 25k Ohms unbalanced  
 Sensitivity..... -6dBm  
 Maximum level..... +14dBm

#### LINE OUTPUT:

Impedance..... Down to 600 Ohms unbalanced  
 Nominal level..... 0dBm  
 Maximum level..... +18dBm

#### POWER REQUIREMENT

(power supply included) 240v AC 50HZ 50 watts

#### SIGNAL-TO-NOISE RATIO

Overall..... -75dB

**CROSSTALK**..... Better than -60dB

#### I.M. DISTORTION

Overall..... 0.3%

**FREQUENCY RESPONSE**..... 30 Hz to 20 kHz  $\pm$  1dB

#### ALL OUTPUT LEVELS

FROM CONSOLE..... 0dBm

#### EQUALIZERS:

Hi-frequency..... Boost or cut 16dB @ 10 kHz

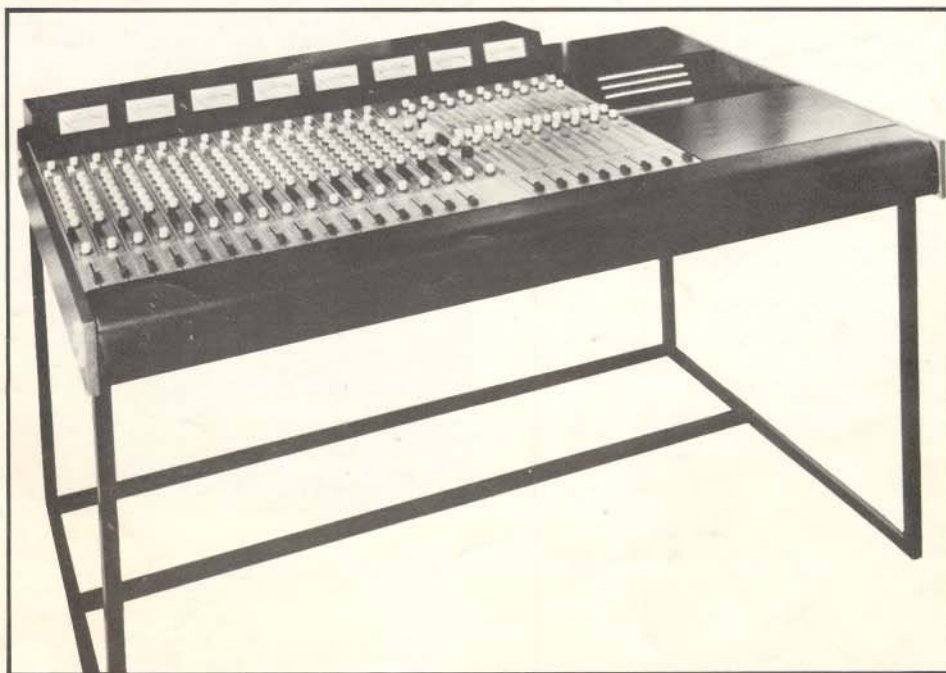
Lo-frequency..... Boost or cut 16dB @ 100 Hz

Mid-frequency peaking..... Boost or cut 14dB

Mid-frequency continuously variable from 1.8 kHz to 7.5 kHz

**DIMENSIONS:** Length 59¼ inches, Width 34½ inches, Console Height 7 inches, Shipping Weight 230 lbs.

**allenandheath**  
MODULAR 2 CONSOLE



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Authorized Dealer: