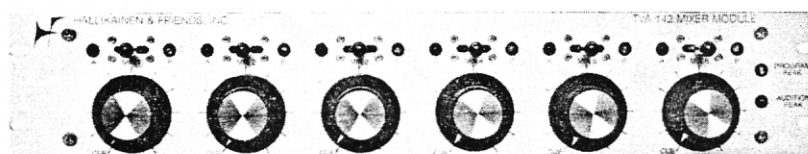
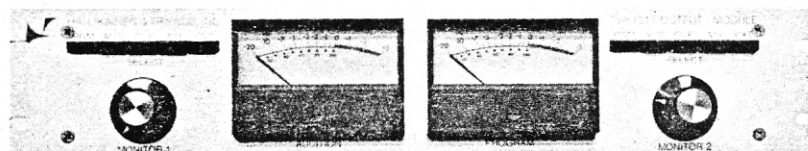


TVA SERIES, AUDIO SYSTEMS

An expandable audio mixing system with AFV



TVA 142 Mixer Module



TVA 131 Output Module

- High quality audio
- Audio-Follow-Video (AFV) plus manual control
- Noiseless audio switching
- Mic & Line Mixing
- Expandable to 36 inputs
- Dual program and audition channels
- VU meters for program and audition
- Five monitor inputs
- Three outputs D.A.s on program and audition channels
- Plug-in controls and ICs

Applications in:

- | | | | | | | |
|-----------------|---|-----------------------|---|---|---|--------------|
| *Master Control | * | Production facilities | * | Remote trucks | * | News editing |
| Tape transfer | * | Post-production | * | Simultaneous broadcasting and recording | | |

System Description

The TVA 142 is the mixing stage of the audio system. Each TVA 142 Mixer Module has six mic or line inputs with individual gain controls. Audio routing to the program and audition channels is controlled either manually or by remote control switching (AFV). Front panel LED indicators show how each input has been assigned. Manual operation is easily accomplished with a lever switch above each input gain control. Audio levels are monitored with peak flashers. The TVA 142 provides program, audition, and cue outputs. The TVA 142 will serve as a stand alone mixer for many applications.

The TVA 131 Output Module provides for the expansion of the audio systems mixing capabilities. It also offers three distribution amplifier outputs for multiple program and audition feeds and separate VU meters for the program and audition channels. Three internal and two external monitor inputs are provided.

By combining a mixer module with an output module, a mixer console can be built capable of two separate audio mixes with metering and monitoring. Additional mixer modules, up to six total, can be added to the output module to expand the consoles input capability to a maximum of thirty-six inputs.

Component Specifications

TVA 142 Mixer Module

Inputs	
Number	6 balanced, mic or line level
Sensitivity	-10 dB line, -58dB mic
Impedance	10K bridging, 150 ohms mic
Output	
Number	1 each Pgm, Aud, and Cue
Levels	+22dBm Max, 600 ohm balanced
Distortion	0.25% or less to 22dBm
Response	±1 dB, 20Hz to 20Khz
Signal/Noise	75dB line 60dB mic, (ref. +8dBm)

Audio Follow Control
 Ground Switched, 12 volts open circuit
 Control Output (Tally)
 Ground Switched, 28vdc, 500ma max.

TVA 131 Output Module

Inputs	
Number	36 maximum
Monitor	Pgm, Aud, Cue, Air, Aux
Outputs	
Number	(3)Pgm, (3)Aud, Cue, Mon 1, Mon 2
Levels	+22 dBm Max, 600 ohm balanced.
Meters	(2)VU meters, Pgm and Aud.

System Specifications

AC Power requirements
 100 to 130 vac, ½ amp, 60Hz
 Size
 Standard EIA 3½ inch (88.1 mm) rack panel,
 chassis, 10¾ inch (273 mm) deep.