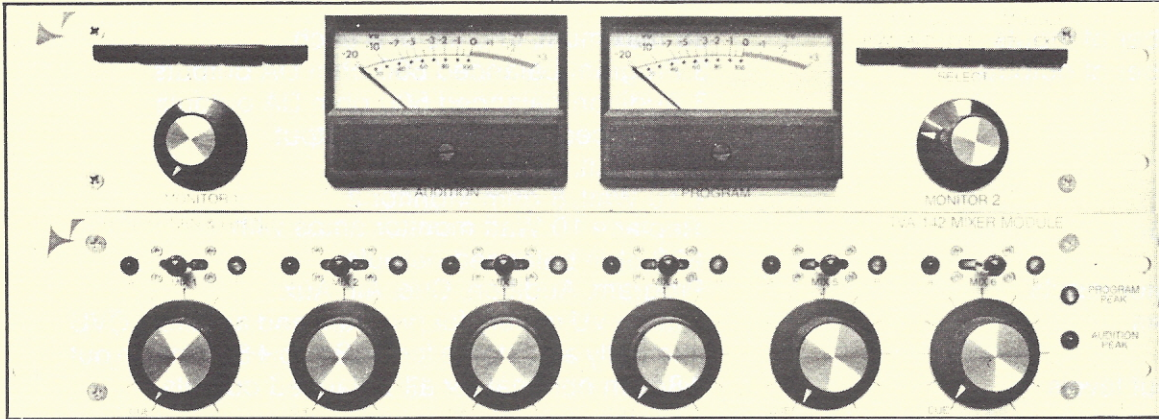


TVA Series Audio Systems



Finally, An Expandable Audio Mixing System
Designed To Be Controlled By Your Video Switcher

- High quality audio
- Rack-mount construction
- Audio-follow-video plus manual control
- Noiseless audio switching
- Mic & line mixing
- Monitor speaker outputs
- Expandable to 36 inputs
- Comprehensive monitoring and metering facilities
- Three output D.A.s on program and audition channels

The H&F Series combines Audio-Follow-Video and manual control in a flexible audio system consisting of rack-mountable components which can provide for your present and future audio mixing requirements. The system is expandable to 36 balanced inputs in groups of six. It offers balanced audition, program, and cue outputs plus two monitor channels.

The TVA 142 is the mixing stage of the H&F television audio system. Each TVA 142 Mixer Module has six balanced mic or line inputs with individual gain controls. Audio routing to the program and audition channels is controlled either manually or with the audio-follow-video feature. In the AFV mode, the video switcher, through ground switching, activates a noiseless control circuit sending audio to either the program or audition channels or both. Front panel LED indicators show how each input has been assigned. Manual operation is easily accomplished with a premium grade lever switch above each input gain control. Audio levels are monitored with peak flashers. The TVA 142 provides three outputs, program and audition to feed a line and a cue output for local use. The TVA 142 will serve as a stand alone mixer for many applications.

The TVA 132 Output Module provides three line level distribution amplifier outputs for multiple program and audition feeds. It offers accurate VU meters on both program and audition channels. One TVA 132 module can, when used with one to six TVA 142 Mixer modules, provide two separate audio mixes with metering. This can be very useful when one program is "on-air" and a second one is to be simultaneously recorded. The TVA 132 meters, feeds, and monitors while the TVA 142 affords individual level control and tally indicators.

Hallikainen & Friends

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Technical Specifications

Output Module TVA 132

Number of inputs	36 maximum, in units of 6 each
Number of outputs	3 Program balanced 600 ohm DA outputs 3 Audition balanced 600 ohm DA outputs 1 balanced 600 ohm Cue output 1 10 Watt, 8 ohm Monitor 1 1 10 Watt, 8 ohm Monitor 2
Option 1	Replace 10 Watt monitor amps with 600 ohm balanced outputs.
Monitor inputs	Program, Audition, Cue, Air, Aux.
Meters	2 large VU meters for program and audition, OVU internally adjustable for 0dBm to +8dBm line out
Output levels	+8dBm nominal for all balanced outputs

Distortion, Noise, Response, for program audition and cue channels, See corresponding specs in TVA 142

Mixer Module TVA 142

Number of inputs	6 balanced, assignable mic or line level
Input sensitivity	-10db line, -58db mic
Input impedance	15K bridging line, 150 ohms mic
Number of outputs	1 each Program, Audition, Cue
Outputs: Pgm, Aud, and Cue	+8dBm, 600 ohms balanced
Maximum undistorted Output	+22dBm
Distortion, @8dBm to 22dBm	0.25% or less
Signal to noise, unweighted	74dB line, 60dB mic
Frequency response at 8dBm	±1 dB 20Hz to 20 KHz
Crosstalk	-82db @ 1kHz

Unless otherwise specified, all specifications and measurements are referenced to 1 kHz, +8dBm output level. 0db = 0.775 v.

Audio follow control	Ground switched, 12 volts open circuit
Control output (Tally)	Ground switched 28vdc, 500mA max., open collector transistor
Indicators	Long life LED status indicators
Automatic control	Automatically follows video switcher- each mixer input is able to feed program & audition (preview) simultaneously.
Peak Flashers	Program and Audition. Adjustable threshold.

Power and Size

AC power requirements	100 to 130vac, ½ amp, 60Hz
Size	Standard EIA 3½ inch (88.1mm) Rack panel, chassis, 10¾ inch (273 mm) deeps, clear anodized aluminum