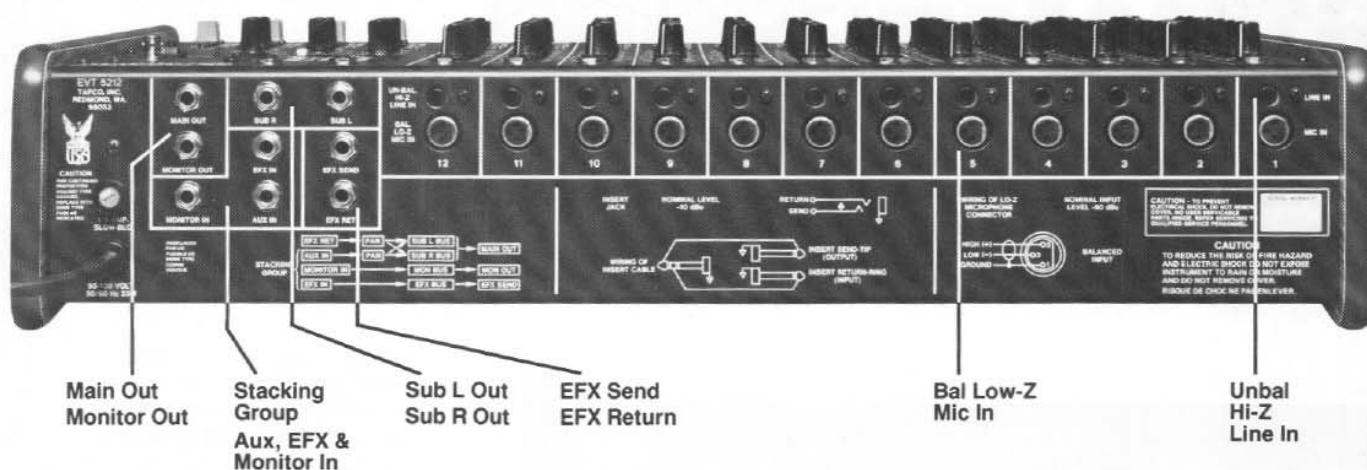




General Specifications

FREQUENCY RESPONSE (± 1 dB)

Mic In to any output, EQ Flat, all faders nominal: 20 Hz-20 kHz

DISTORTION

Total Harmonic Distortion

THD 20-20 kHz at +4 dB: less than 0.05%
THD 20-20 kHz at +20 dB: less than 0.10%
I.M. SMPTE,
1dB below clip: less than 0.10%

HUM AND NOISE* (20 Hz-20 kHz with 150 ohm input impedance)

EIN—equivalent input noise: -128 dB
Residual at main out
(all faders down): -90dB

Residual at Monitor out: -90 dB

Main out with Main, Subs and 1 fader at Nominal (44 dB total gain): -75 dB

Monitor out with Monitor Master and 1 Fader at Nominal (44 dB total gain): -80 dB

INPUT CHANNEL EQUALIZATION

Low — Shelving at 100 Hz: ± 15 dB
Mid — Peak/notch at 3 kHz: ± 12 dB
High — Shelving at 10 kHz: ± 15 dB

MICROPHONE INPUTS*

Low Impedance, Balanced: Pin 2 reference positive

EIN (20 Hz-20 kHz:

150 ohm source)**: -128 dB

Maximum Input Level: +8 dB (2.0 V)

Input Impedance at 1 kHz: 6 K ohms

CMRR—Common Mode

Rejection Ratio: 65 dB typical

CMRR—Ratio (60 Hz-10 kHz): 50 dB min.

Slew Rate

(measured at Insert Jack): 15 V/ μ sec

LINE INPUTS*

High Impedance Unbalanced: tip positive
Maximum Input Level: +34 dB (40.0 V)
Input Impedance: 100 K ohms

PEAK INDICATORS*

Threshold ± 2 dB: +15 dB

MAXIMUM VOLTAGE GAIN ± 3 dB

Mic In to Main Out: 82 dB
Mic In to Monitor Out: 82 dB
Mic In to Sub Out: 77 dB
Mic In to Insert Jack: 52 dB
Mic In to Efx send: 82 dB
Line In to Main Out: 49 dB
Line In to Monitor Out: 49 dB
Line In to Sub Out: 44 dB
Line In to Insert Jack: 19 dB
Line In Efx send: 49 dB

CROSSTALK

Adjacent Inputs 1 kHz: -75 dB typical
Input to Output 1 kHz: -75 dB typical
All combinations 20 Hz-20 kHz: -50 dB minimum

LAMP CONNECTOR: BNC connector

12.6 VAC/0.20 amps Max.

LEVEL DISPLAY*

10 Segment LED in 3 dB steps:

-18 dB to +9 dB

Reference "0": +4 dB

Response: Full wave, Average Responding

DIMENSIONS

Height: 143 mm (5-5/8 in.)

Depth: 480 mm (18-7/8 in.)

Width: 680 mm (26-3/4 in.)

NET WEIGHT: 13.8 kg (30.5 lb)

POWER REQUIREMENT: 25 Watts max.,

95-130 Volts at 50/60 Hz or 190-260 Volts at 50/60 Hz as indicated on rear panel.

HIGH LEVEL INPUTS

	Max. Level*	Input Impedance, Ohms	Max. Source Impedance, Ohms
Left insert	+20 dB	100 K	—
Right insert	+20	100 K	—
Efx return	—	≥ 25 K	—
Efx input	+40	25 K	—
Monitor input	+29	10 K	—
Aux input	—	≥ 16 K	—
Input chan insert	+20	1.8 K flat EQ	100
	+5	1 K max. EQ boost	—

OUTPUTS

Max. level (± 1 dB) into min. load impedance

	Max. Level, dB	Min. Load, Ω	Internal Impedance, Ω
Main	+20	600	50
Monitor	+20	600	50
Left sub	+20	600	50
Right sub	+20	600	50
Left insert	+20	600	50
Right insert	+20	600	50
Efx send	+20	600	50
Input chan insert	+20	2000	50

*0 dB is referenced to 0.775 Volt, RMS.

**Theoretical minimum noise is -130.8 dB across 150 ohms.



EV **Electro-Voice®**
SOUND IN ACTION
600 Cecil Street, Buchanan, Michigan 49107

a gulton company