

# Appendix C: Technical Information

## Specifications

### Main Mix Noise

(20 Hz–20 kHz bandwidth, channels 1–3 gain @ unity gain, channel EQ flat, all channels assigned to main mix, channel 1 panned left, 2 panned right, 3–8 centered.)

Main mix knob down, channel level knobs down:

XLR: -95 dBu  
TRS: -101 dBu

Main mix knob unity, channel level knobs down:

XLR: -90 dBu  
TRS: -96 dBu

Main mix knob @ unity, channel level knobs @ unity:

XLR: -84 dBu  
TRS: -90 dBu

### Total Harmonic Distortion (THD)

(1 kHz @ 35 dB gain, 20 Hz–20 kHz bandwidth)

Mic pre @ insert: 0.001%

### Attenuation (Crosstalk)

(1 kHz relative to 0 dBu, 20 Hz–20 kHz bandwidth, line in, 1/4" main out, gain @ unity.)

Main mix knob down: -75 dBu

Channel Alt / Mute switch engaged: -100 dBu

Channel level knob down: -100 dBu

### Frequency Response

(30 Hz to 30 kHz, mic input to any output, @ 60 dB gain.)

+0 dB/-1 dB

(10 Hz to 100 kHz, mic input to any output, @ unity gain.)

+0 dB/-3 dB

### Equivalent Input Noise (EIN)

(20 Hz–20 kHz, mic input to insert send out, max gain.)

150 ohm termination: -129.5 dBu

### Common Mode Rejection Ratio (CMRR)

(Mic in to insert send out, max gain.)

1 kHz: better than -60 dB

### Maximum Levels

Mic in: +21 dBu

Tape in: +22 dBu

All other inputs: +22 dBu

Main mix XLR out: +28 dBu

All other outputs: +22 dBu

### Impedances

Mic in: 3.4 kilohms

Channel insert return: 5 kilohms

All other inputs: 20 kilohms or greater

Tape out: 1 kilohms

Phones out: 60 ohms

All other outputs: 120 ohms

### EQ

High Shelving +15 dB @ 12 kHz

Mid Peaking +15 dB @ 2.5 kHz

Low Shelving +15 dB @ 80 Hz

### Power Consumption

13 watts

### Dimensions (H x W x D)

10.7" x 8.9" x 1.8" (273 mm x 227 mm x 47 mm)

### Weight

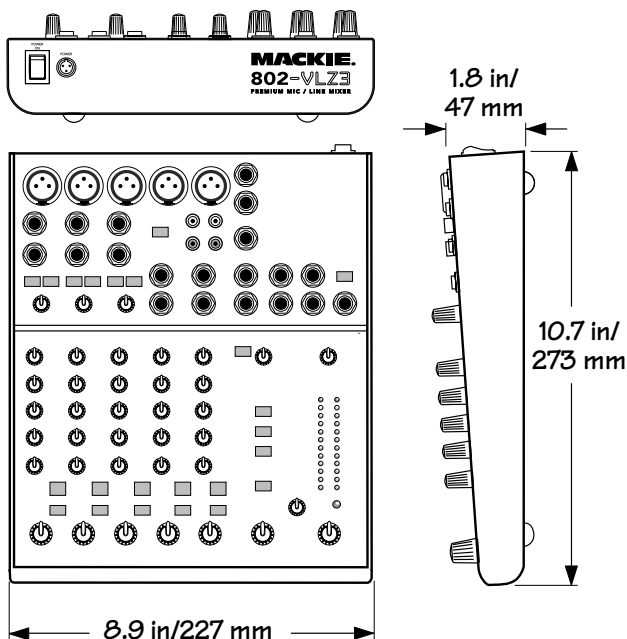
With power supply 5.5 lb (2.5 kg)

Without power supply 4.5 lb (2.0 kg)

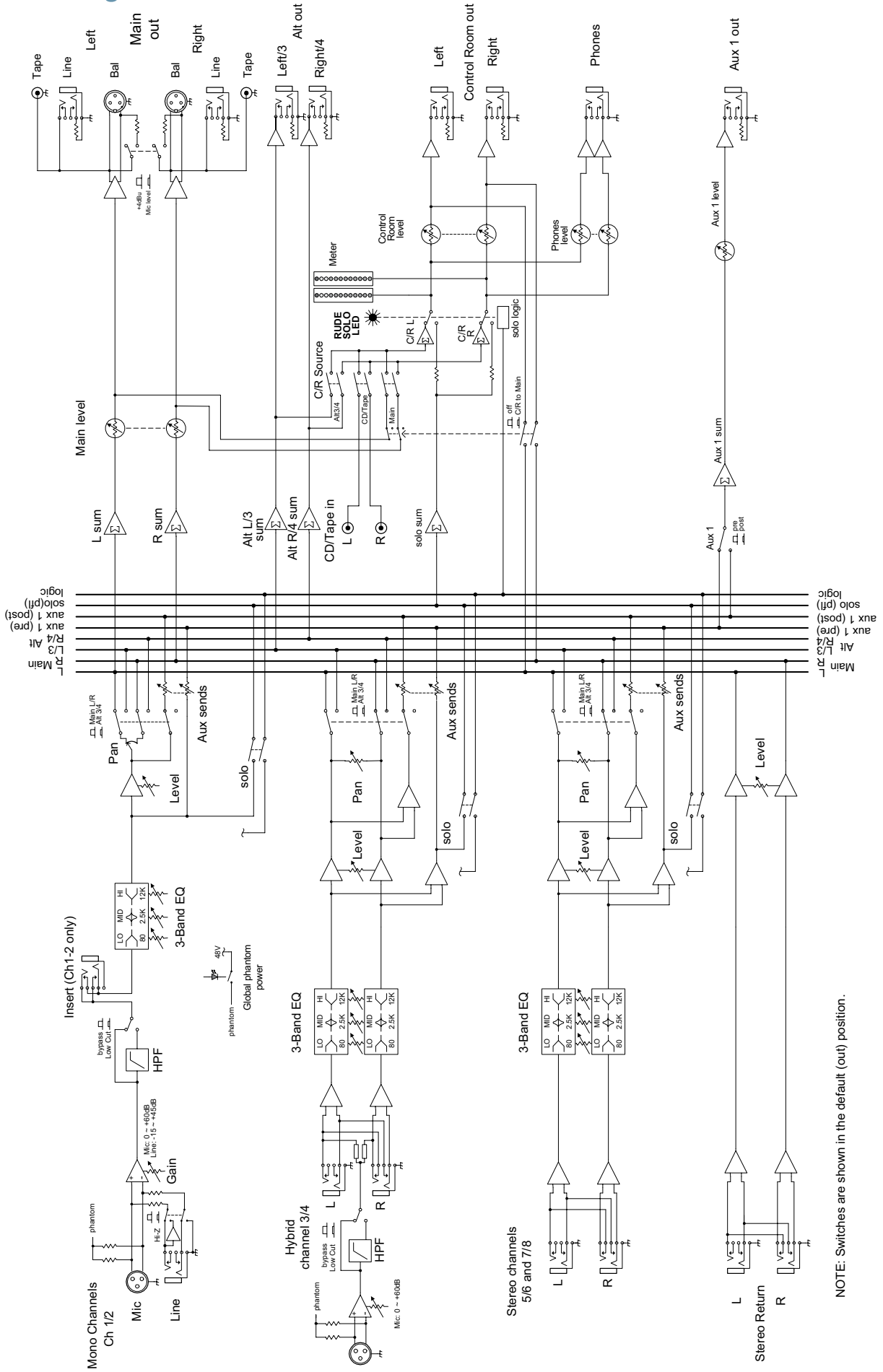
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# Block Diagram



NOTE: Switches are shown in the default (out) position.