

TECHNICAL DATA

FOLIO Powerpad

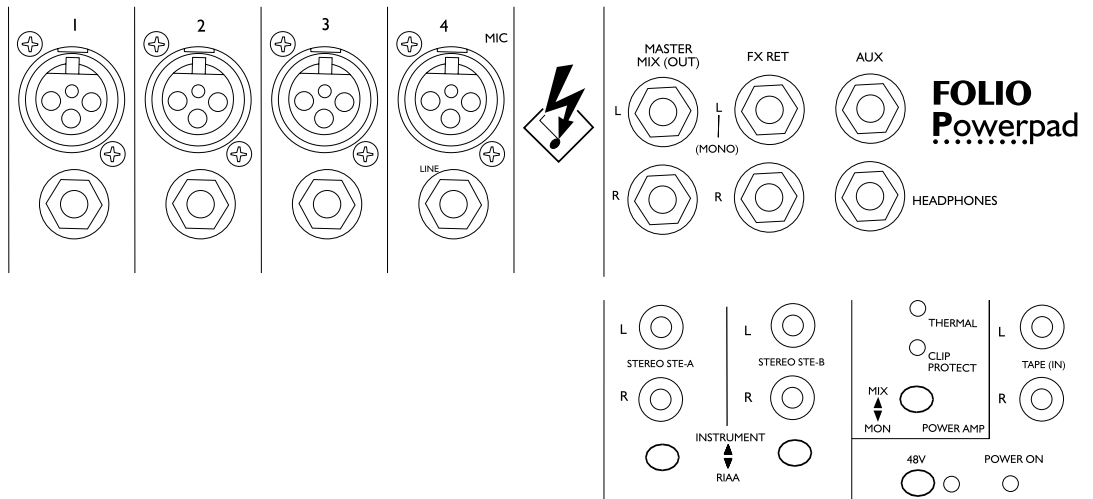
INTRODUCTION

- 2-channel 30W power amp built in
- 10 inputs
- High-quality mic preamps with phantom power
- 4 mono mic/line inputs
- 2 stereo inputs with switchable RIAA preamps for turntables
- Amplifier clip and thermal protection
- Rugged, lightweight design

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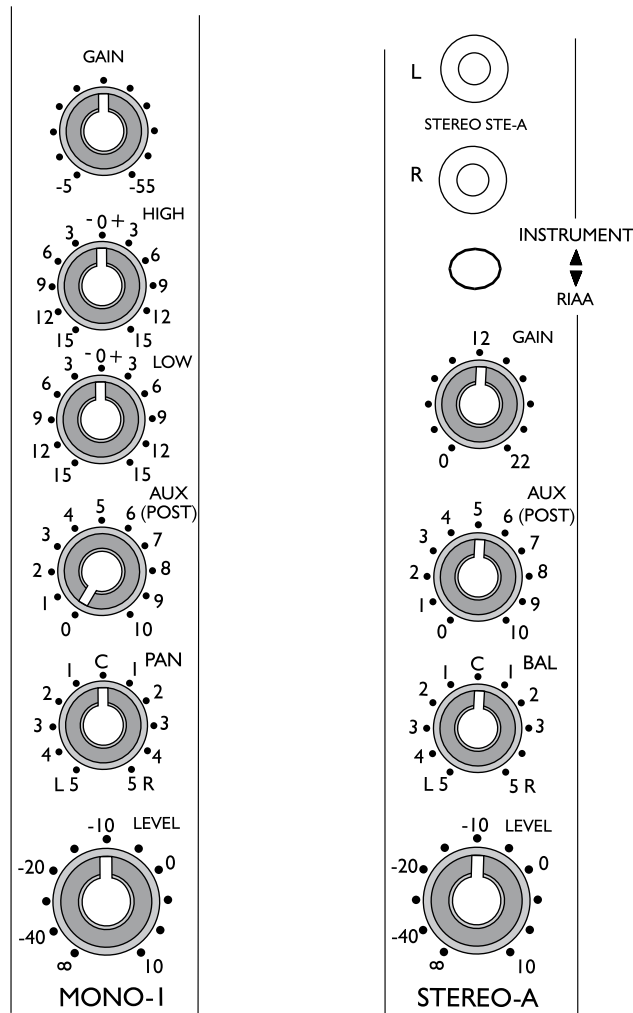
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CONNECTORS



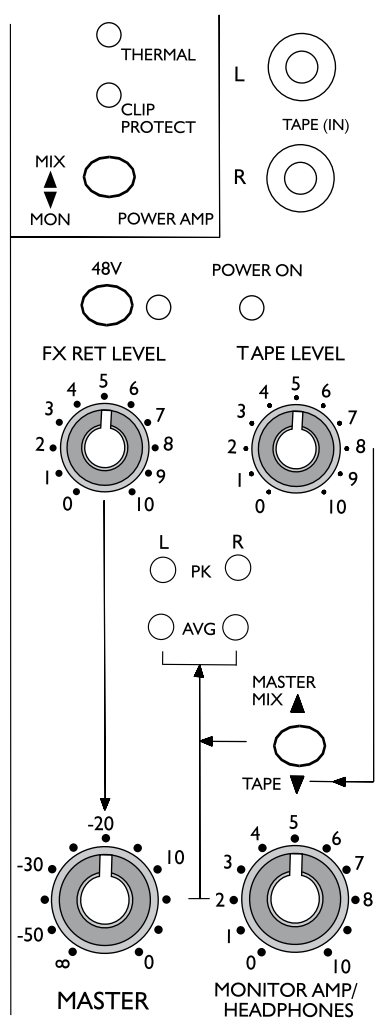
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MONO/STEREO INPUTS



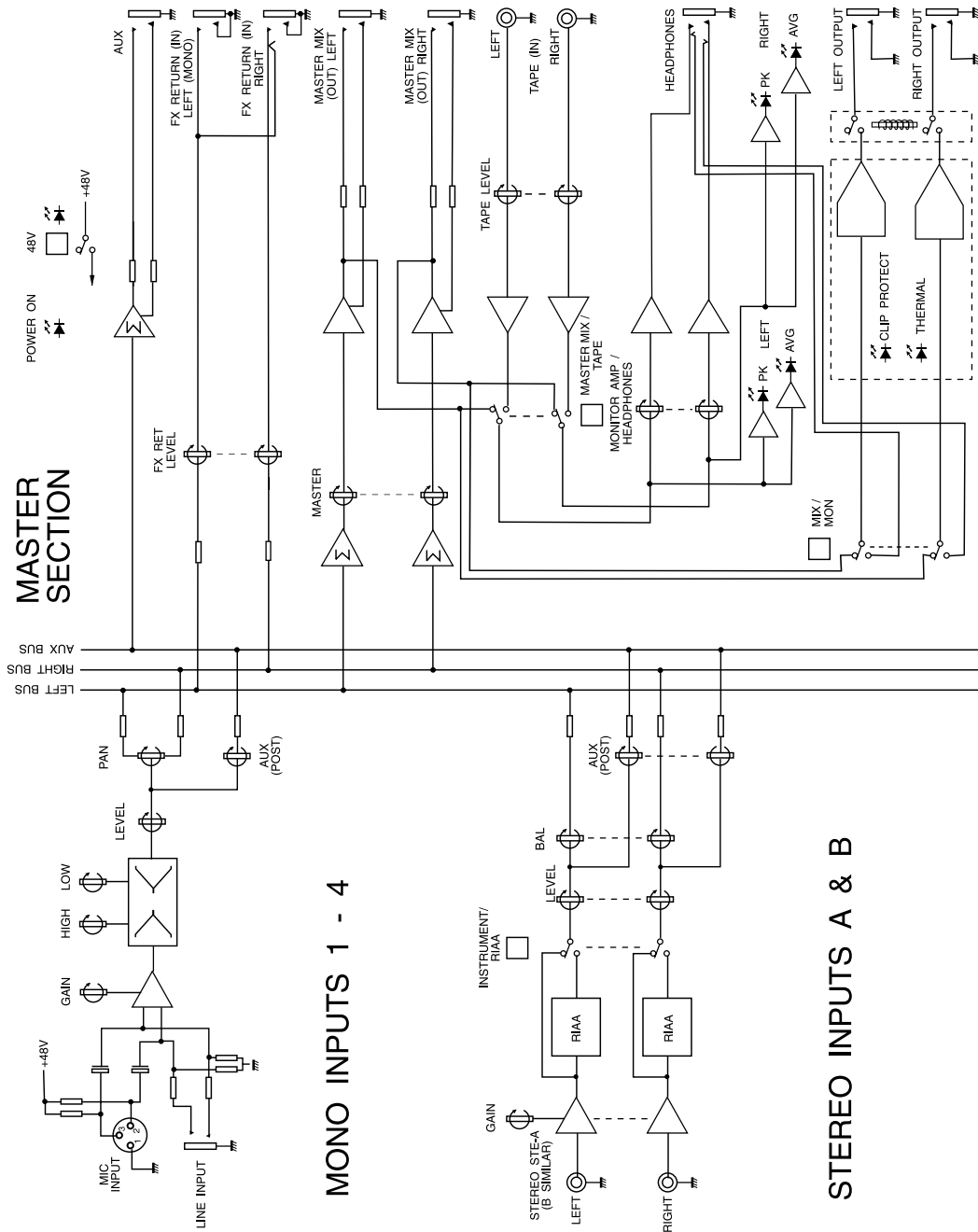
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MASTER SECTION



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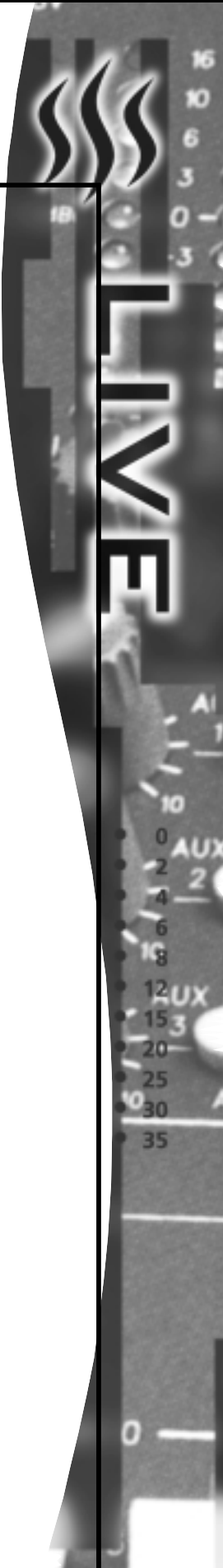
BLOCK DIAGRAM



MASTER SECTION

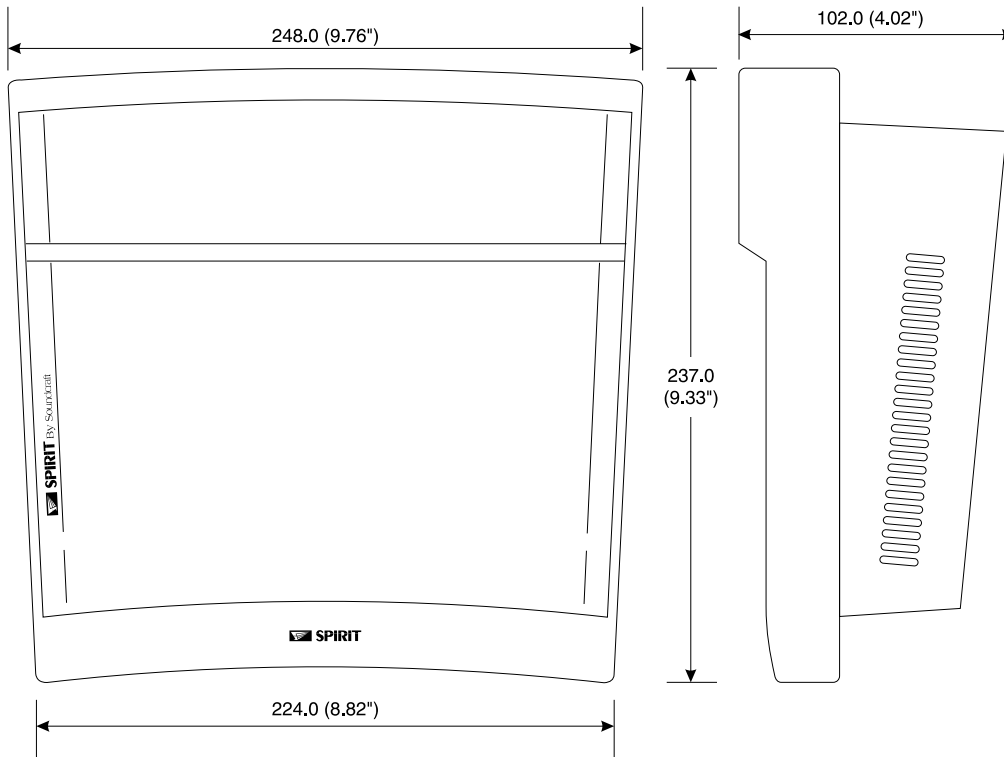
MONO INPUTS 1 - 4

STEREO INPUTS A & B



FOLIO Powerpad

DIMENSIONS



Packed Weight:

4.96kg (10.9lbs)

FOLIO Powerpad

ARCHITECT'S SPECIFICATIONS

The Mixing Console shall be constructed in a steel and plastic chassis, and shall be available in a 4 mono configuration with 2 additional RCA stereo input strips. An internal stereo power amplifier will be included as standard. There shall be one PCB for the mixer section, and one PCB for the amplifier section. There shall be Main Left/Right outputs and an auxiliary send output. There will be a third RCA stereo pair for Tape input. A Stereo Effects Return input will be included. Left and Right speaker outputs from the amplifier section will be supplied. The unit will be powered by an internal power supply.

Each Mono Input shall have balanced low-impedance inputs via XLR sockets and line-level 1/4" balanced TRS connectors. Both inputs shall be active at all times. Sensitivity shall be continuously variable from -5 dBu to -55 dBu, and phantom power will be available globally. The EQ shall be a 2-band shelving type with HF at 12Khz, and LF at 80Hz. Gain shall be cut or boosted by 15db on both bands (center detented). A post-fade, post-EQ auxiliary send shall be included as well as a Pan control. Level will be controlled with Alps potentiometers.

Stereo inputs will have -10 RCA jacks for left and right signal input. Gain shall be continuously variable from 0 to 22 db and a switchable RIAA pre-amplifier will be included. A post-fade, post-EQ auxiliary send shall be included along with a Balance control (center detented). Level will be controlled with Alps potentiometers.

The RCA Tape input shall have a dedicated level control. Tape inputs shall not be assignable to the Mix program, but shall be switchable directly to the headphone mix.

The Master section shall consist of a Master rotary potentiometer which controls Left and Right master level and an effects return level control. Stereo Effects Return signal will be via balanced 1/4" jacks. Master outputs shall be balanced 1/4" with signal normalled to the power amplifier input. A 1/4" balanced Aux output shall be included, deriving its signal from the summation of the individual Aux sends. A 1/4" stereo headphone jack shall also be provided with dedicated level control. Headphone program shall derive its source from the Tape inputs or Mix program. There shall be a switch included to route the headphone feed directly to the internal power amplifier, thus overriding mix program signal, but headphone insertion shall cut off even this signal feed. There shall be a 2 segment multi-colored LED meter for headphone level indication.

The included two-channel stereo power amplifier will be rated for 30 watts per channel (RMS) into 4 ohms. The amplifier will deliver rated power output with +4dBu signal provided and amp level control at maximum. With these conditions, the THD of the system at 1kHz shall be less than 1% with both channels driven just before clipping. Input will be normalled from the master Left/Right output. Power amp operation will be monitored by two LED indicators: Temperature and signal-clip status. There shall be provided Left and Right speaker output jacks in 1/4" format. A ground/earth post will be included as well as a master power-on switch.

The console dimensions shall be 9.8" W x 9.3" D x 4.0" H. The console shall weigh 9.2lbs. The console shall be called the Folio Powerpad.

FOLIO Powerpad

TYPICAL SPECIFICATIONS

Noise

E.I.N., 150W source impedance	.....	-128.5dBu
Output	-84dBu	
Aux Out (inputs down)	.....	-80dBu
Mix, masters at max.	.....	-80dBu

Crosstalk

Fader cutoff (rel 0 mark)	.....	>90dB
Aux Send	>90dB	
Pan Isolation	>75dB	

Frequency Response

20Hz - 20kHz rel. 1kHz, Line In to Master Mix	-1dB
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THD

Mic sens. -30dBu, +14dBu at mix output	<0.005%
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Inputs

Mic Input	Input Impedance	1.8k Ω
	Max input	+14dBu
	Max Mic Gain to Output68dB
Line Input	Input Impedance	.....	.20k Ω
	Max input	.....	>+30dBu
Stereo Input	Input Impedance	.....	.20k Ω

Output

Max. Output (Aux, Mix, typical)	.....	+21dBu
Power Output (into 4W, RMS)	.....	.2 x 35W

Connectors

All jacks are 3-pole 1/4" 'A' gauge

Mic (balanced or unbalanced)	.....	.XLR
Line (balanced or unbalanced)	.....	.Jack
Stereo Input, Tape In (unbalanced)	.....	.RCA Phono
Monitor Amp Out		
FX Return (balanced or unbalanced)	.....	.Jack
Master Mix Out, Aux Out, (imp. balanced)	.....	.Jack
Headphone	.....	.Stereo Jack
Loudspeakers	.....	.Jack