



**Architectural
Specifications**

4001VC



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Architectural Specification for the Intelix 4001VC Mic/Line Mixer

The microphone mixer shall provide 4 mic/line switchable level inputs and one line level, balanced output. All input and output connectors shall be XLR-type connectors. At least one of the line level inputs shall provide for stereo input summing via dual RCA connectors. Each input shall have an input gain trim adjustment control on the rear panel and the adjustment range shall be 40dB. Each input shall have a rear panel mic/line selector switch. The rear panel shall contain a common on/off switch for the phantom power to all inputs. Each input's line input circuitry shall prevent phantom power on that input when in line level mode. A rear panel -50dBV microphone pad switch shall be provided for the output. A rear panel multi-pin connector shall allow remote control of the VCA circuits using linear potentiometers and DC control voltages. Each input shall have a front panel low cut switch. The low cut circuit shall have a 3dB down point at 150Hz and a 12dB/octave response characteristic. All 4 inputs shall have phantom power capability. The output circuitry shall be of the active balanced, cross-coupled design. The output shall be capable of at least +26dBV balanced output levels. All input mix volume and the master output shall be VCA controlled with volume controls on the front panel. The microphone mixer shall have manual ducking capabilities. The ducking circuitry shall allow any combination of inputs to duck one or more of the remaining inputs or the master output. The duck amount shall be adjustable between 0 dB and -100dB (mute). Release time for the duck circuit shall be adjustable from 0.5 seconds to 5 seconds. The duck circuitry shall be capable of being manually triggered by grounding a pin on the multi-pin rear panel connector.