

Connecting Mic-Level Signals to an Aviom Personal Mixing System

Most personal mixing systems that use analog inputs get their audio sources from a mixing console by using its channel direct outputs and/or group sends. These line-level signals easily connect to Aviom's AN-16/i v.2 Input Module, are converted to A-Net® digital data, and then distributed to Personal Mixers.

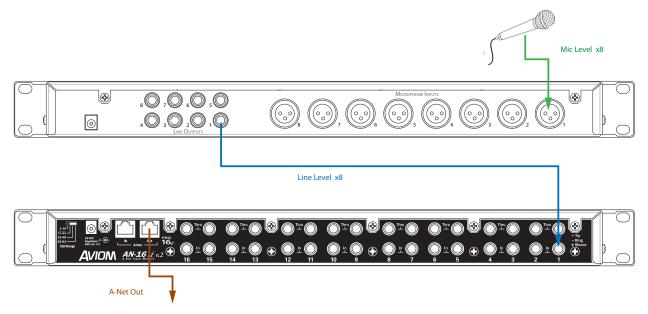
Occasionally users need to connect mic-level signals to a personal mixing system to, for example, configure a portable, stand-alone system that does not include a standard mixing console. For this application, microphone signals need to go through a mic preamp to raise their output to line-level to feed the AN-16/i v.2.

Setup

There are a number of 8-channel mic preamps available at a variety of price points and feature sets that can be used with an AN-16/i v.2 Input Module; see Table #1.

Audio setup follows some simple rules: connect mic signals to the preamp, set gain for the individual mics, connect the line-level outputs of the mic preamp to inputs on the AN-16/i v.2 Input Module, and properly set the gain switch on the AN-16/i v.2.

Any line-level sources (such as the stereo output of a typical synth keyboard or guitar amp simulator) may be directly connected to the AN-16/i v.2 inputs without passing through a mic preamp. This means that in many cases a portable personal mixing system may only need one external 8-channel mic preamp.



Preamp Options

The table below lists some of the available mic preamp options on the market. All have the same basic features: they have eight mic-level inputs and eight line-level outputs. Each has individual gain control for the eight channels and +48v phantom power is available. Click the model name for a link to additional product information on the manufacturer's website.

Table #1: 8-Channel Mic Preamps

Brand	Model	MAP Price	Comment
ART	TubeOpto 8	\$449	Tube preamp with separate preamp level and gain controls to adjust drive
Audient	ASP800	\$849	Two channels have "character" features
Focusrite	OctoPre MkII	\$499	Two quality Hi-Z instrument inputs included
Focusrite	OctoPre MkII Dynamic	\$699	Built-in dynamics per channel
Nady	PRA-8	\$109	Least expensive option
PreSonus	DigiMax DP88	\$699	Mic pres can be remote controlled via MIDI
PreSonus	DigiMax D8	\$399	4-segment metering per channel

