

AN-16/i Input Module



The AN-16/i-M Input Module allows microphone level signals to be used with AN-Series Distributed Audio Network products to create digital snakes and with the Personal Monitor Mixing System. The AN-16/i-M is designed to complement the existing products in the Distributed Audio Network line such as the AN-16/i Input Module and AN-16/o Output Module.

The AN-16/i-M Input Module is a 3U-high rack mounted mic and line level input device. It contains sixteen high-quality microphone preamps with 24-bit A-to-D converters. Each channel contains a three-segment level LED meter, a continuously variable Gain knob, phase reverse switch, a 48-volt phantom power switch with LED, and a rumble filter with an 85Hz roll off. In addition, each pair of channels has a Stereo Link switch that allows stereo operation when connected to a Personal Monitor Mixing System.

On the rear panel, each channel has a combo jack that can accept either XLR mic or 1/4-inch line level (balanced or unbalanced) inputs. Sixteen passive mic Thru connectors create a built-in microphone splitter. Balanced insert points with separate 1/4-inch Send and Return jacks allow easy interfacing with external processing devices. The sixteen insert Sends can also be used as a set of post-gain direct audio outputs. The AN-16/i-M Input Module uses an internal power supply with a standard IEC power connector.

Two parallel A-Net™ outputs allow the AN-16/i-M Input Module to send A-Net data to multiple destinations, allowing for simultaneous patching to a monitor console and a front-of-house console. Both A-Net outputs feature heavy duty Neutrik EtherCon combo RJ45 connectors. A separate A-Net Expansion jack allows the AN-16/i-M to be used in combination with other AN-Series products and allows the transfer of up to sixty-four channels of audio over a single standard Cat-5 cable. As with all Aviom A-Net compatible products, cable runs of up to 500 feet (150 meters) are possible between devices.

AN-16/i-M Personal Mixer Features:

- 16 high quality mic preamplifiers, with 24-bit A-to-D converters
- XLR mic or 1/4-inch TRS balanced inputs on combo jacks
- 48-volt phantom power on each channel, with LED
- Three-segment level LED indicators
- Continuously variable gain knob
- Phase switch per channel
- Rumble filter switch (85Hz roll off) on each channel
- Stereo Channel Link switch per pair of channels
- Built-in mic splitter
- Balanced insert send and return jacks (1/4-inch TRS)
- Dual A-Net outputs allow the A-Net data to be sent to two destinations
- A-Net Expansion jack for use with other AN-Series products
- Internal power supply; IEC power connector

AN-16/i Input Module Specifications

A/D Conversion	48kHz sample rate	24bit
Frequency Response	4Hz-22kHz	
A-Net Output	2	EtherCon RJ45 connector
A-Net Expansion	1	Category 5 (RJ45 connector)
Audio Input	Combo jack - XLR and 1/4" TRS, balanced	
Channel LED Indicators	Signal Present, -6dB, and Clip	3 per Channel
Channels Inserts	Balanced 1/4: TRS, Send and Return	
Power	internal power supply, IEC connector	
Size and Weight	19" wide x 6.7" deep	3U high; 9 lbs