Aviom's A320 Personal Mixer brings new levels of control and customization to personal mixing and is the perfect solution for controlling musicians' monitors on stage or in the studio. Ideal for use with in-ear monitors and headphones, the A320 delivers breakthrough features for more precise mix control and more musical monitoring, while also preserving the simplicity required for use while performing.

All mixing features are instantly available—no menus to navigate, no complex programming, no computer required—so customizing and adjusting a mix is fast and intuitive, even in the middle of performing.

The A320 includes an advanced 32-channel mix engine which can be used to mix up to 16 mono or stereo channels. The innovative Stereo Placement™ pan-spread feature controls both sides of a stereo channel's image simultaneously, significantly improving the user experience with in-ear monitors and headphones.

Each A320 can store up to eight mix snapshots—saved in the first eight channel button locations.

The master output section includes Bass and Treble tone controls, plus the unique Enhance™ control designed to provide more presence for users of in-ear monitors.

Audio is delivered to the A320 using Aviom's A-Net® digital audio protocol. A-Net ensures that audio signals are delivered in real time and provides for simple plug-and-play setup without addressing.

## PRODUCT HIGHLIGHTS

- *16 mono or stereo mix channels*

- *32-channel mix engine*

- *Enhanced Stereo Placement controls for improved sonic clarity*

- *Per-channel volume, mute, and pan-spread*

- *Three-band master tone controls optimized for in-ear monitors*

- *Eight mix presets*

- *1/4" TRS Stereo Mix Out*

- *Seamless integration with existing Aviom personal mixing systems*

The A320 is compatible with existing Pro16 Series devices and monitor systems. Additionally, the A320 can use an enhanced version of the protocol, Pro16e™, which supports expanded channel capacity in the Pro16 audio stream.
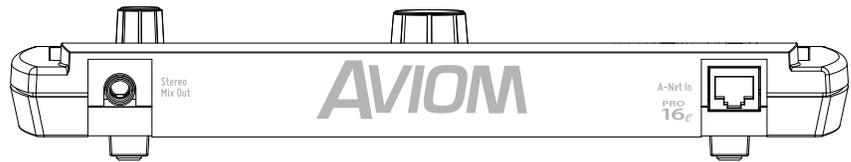
## TOP PANEL FEATURES

- Channel Volume
- Channel Stereo Placement
- Channel Solo and Mute
- Trim All
- Mix Preset Save, Recall
- Master Bass, Treble, and Enhance
- Master Volume

## REAR PANEL FEATURES

- Stereo Mix Out (headphone/line-level, 1/4" TRS)
- A-Net In

## A320 PERSONAL MIXER SPECIFICATIONS

| | |
|---|---|
| **Audio Output** | 1/4" TRS stereo, headphone or line level |
| **Stereo Mix Output, Headphone/Line** | Tip: Audio Left;  Ring: Audio Right; Sleeve: Ground |
| **A-Net I/O** | 1 A-Net In, RJ45 connector; Supports Pro16 and Pro16e |
| **D/A Conversion** | 44.1/48kHz, 24-bit |
| **Stereo Operation** | Stereo Link, per channel pair; Set at the input module; Variable pan per mono channel or pan/spread per stereo channel pair |
| **Headphone Output** | 275 mW per side into 50 Ohms (both sides driven) |
| **Output Impedance** | 5 Ohms |
| **Freq. Response** | 3Hz-22kHz +0.2dB/-3dB at 50 Ohms |
| **THD +N** | < 0.003% |
| **Signal to Noise (unweighted)** | -106dB (measured with zero data into all channels) |

| | |
|---|---|
| **Latency** | 0.880 msec (measured from analog input to analog output) |
| **A-Net Pro16e** | Use Cat-5e (or better) cable; Maximum 400 ft (122 m) between devices; Supports Power Over A-Net |
| **Cat-5 cable** | Use shielded Cat-5e (or better) cable to stay below the CISPR 22 Class B, ICES-003, and FCC 47 CFR Part 15 Class B emissions limits. |
| **Power** | 24 VDC, 0.5 amp; Power is supplied over the Cat-5 cable when connected to an Aviom A-Net Distributor |
| **Dimensions** | 10.26" (260.6 mm) wide x 6.14" (155.95 mm) deep; 1.91" (48.51 mm) high |
| **Weight** | 1.3 lb. (0.59 kg) |
| **Options** | MT-1a Mic Stand Mount |