AVIOM

DATA SHEET

A640
PERSONAL MIXER

Aviom's Personal Mixers have been leading the industry since they were first introduced over twenty years ago. And the best just keeps getting better...

The A640 Personal Mixer is the new flagship of Aviom's personal mixer lineup. It's powered by the award winning, high speed, low latency A-Net® digital audio transport protocol, the world's only protocol that is purpose-built for personal monitoring applications.

The A640 can be combined with Dante® systems, analog input modules, and digital console cards to create personal mixing systems for live performance, recording, and broadcast applications. And of course, the A640 is plug-and-play compatible with your existing Aviom personal mixing system.

POWER · FLEXIBILITY · CONTROL

The A640 Personal Mixer simplifies the task of using a monitor mixer while performing by offering a variety of ways to access and manage your personal mix.

The A640's built-in hi-res display presents your mix settings in one of three views—Channel View, Mix View, or Names View.

Channel View displays full detail for the selected channel—volume, mono/stereo pan, treble, bass, and effects (EFX) level. Use the right encoder to adjust the channel's volume and the left encoder to fine tune other channel parameters.

Mix View shows an overview of all volume levels in the current mix, including the Ambience mic channel. Mix channels can be quickly selected with the left encoder and their volume adjusted with the right encoder.

Names View provides an easy way to see the text labels for all channels. Channel names can be automatically synced

from a Dante network or entered manually. Mix channels can be quickly selected with the left encoder and their volumes adjusted with the right encoder.

Create a custom channel layout that's perfectly suited to each performer. Enhance your mix with the per-channel treble, bass, and effects controls. And each A640 can send any or all of its mix channels to the dedicated mono Aux Mix output to easily add bass shakers, subs or wedges.

When used with Aviom's powerful D800 products, the A640's Intercom allows you to communicate with other A640 users with just the touch of a button.

Once your mix is refined, store it as one of sixteen mix presets that are instantly available during your performance. Save the entire band's configurations to a USB memory stick for easy recall in shared systems.
Super Easy!   **Super Intuitive!**   **Super Powerful!**
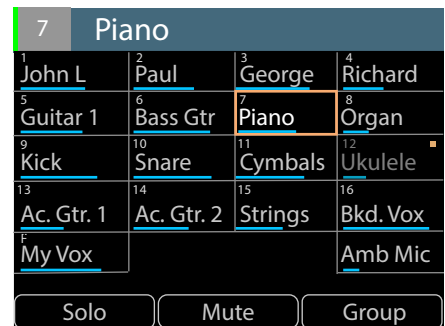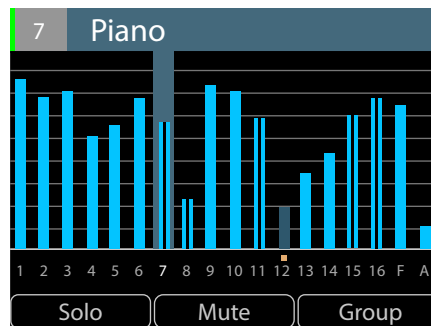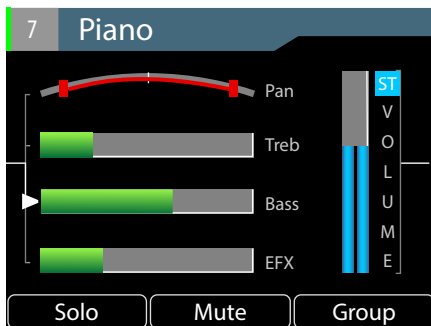
Channel View, Mix View, and Names View make creating and adjusting a monitor mix easy for any user.

Powered By
A·NET

A640 Personal Mixer Features

- 16 mono or stereo standard mix channels
- Favorite Channel - find your most important channel fast
- Ambience channel with internal mic or network feed
- Color high-resolution display
- Three Mix Views - a workflow for every user's preference
- Intercom function to communicate between A640 users (requires a D800); and, intercom audio may be monitored by other Aviom mixer models in the system
- Seamless integration with current and legacy Aviom personal mixing systems
- Programmable channel selection and layout from up to 64 sources in the Aviom network
- Per-channel Volume, Treble, Bass, Effects, and Pan
- Three-band master tone controls with Enhance™, optimized for in-ear monitors
- Mono Aux Mix output with custom channel selection
- 16 Mix Presets
- USB storage for saving and loading complete mixer configurations
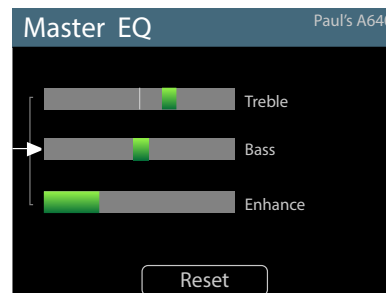
The Enhance circuit in the Master EQ section is a specially designed custom EQ curve that is ideal for in-ear monitoring—make any IEM or headphone sound great!

Easily create a custom channel configuration for your A640 from up to 64 input sources with the built-in Channel Mapping function—an optimized mixer layout for every user.

Send any set of channels to the Aux Mix output for a BOOM System, bass shaker, or subwoofer, and control its level right from the A640 for full-range monitoring mojo.

The A640 rear panel has TRS 1/8- and 1/4-inch stereo outputs, XLR mono mix output, a USB port, DC power jack, and the A-Net input.

A640 PERSONAL MIXER SPECIFICATIONS

Audio Outputs	1/4" TRS stereo, headphone or line level; 1/8" TRS stereo, headphone or line level; XLR balanced mono, line level
Stereo Mix Outputs, Headphone/Line	Tip: Audio Left; Ring: Audio Right; Sleeve: Ground
Mono Mix Output	Pin 2: Hot, Pin 3: Cold; Pin 1: Ground
A-Net I/O	1 A-Net In, Locking RJ45 connector; Supports Pro16 and Pro16e and Power Over A-Net
D/A Conversion	44.1/48kHz, 24-bit
Stereo Operation	Stereo Link, per channel, and per A-Net channel pair; Variable pan per mono channel or pan/spread per stereo channel pair
USB Storage	Save/load mix configuration data, mix presets; firmware updates
Headphone Output	1.0 watt at 100 Ohms (Line/Headphone output)
Output Impedance	32 ohms

Freq. Response	2-22kHz +0.2dB/-3dB
THD +N	< 0.003%
Signal to Noise (unweighted)	-106dB (measured with zero data into all channels)
Latency	0.680 msec, analog in to analog out (worst case)
A-Net Pro16e	Uses unshielded Cat-5e UTP (or better) cable; Maximum 400 ft (122 m) between devices; Supports Power Over A-Net
Power Supply — Input Voltage — Plug Size	Optional 24 VDC, 0.5 amp 2 mm
Dimensions & Weight	10.76 in. (273.3mm) wide x 7.6 in. (193.04mm) deep; 2.212 in. (56.18mm) high; 2 lb. (0.907 kg)
Options	MT-1a Mic Stand Mount EB-1 Extension Bracket PS-120/PS-240 Power Supply

Made in USA

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