

Operating the Aviom A360 Personal Mixer

This guide provides instructions for how to operate the Aviom A360 Personal Mixer to create and manage personalized monitor mixes.

Overview

The Aviom A360 allows musicians to customize their in-ear or headphone monitor mix using up to 36 mix channels (mono or stereo). Key features include volume control, reverb, tone adjustments, stereo placement, One-Touch Ambience, Dual Profile Channel, preset saving.

Operating the A360

1. Understanding the Front Panel

- **Mix Channel Buttons (1–16):** Select a channel to edit (green LED indicates selection). Stereo channels light up as odd-even pairs.
- **Channel Volume Knob:** Adjusts the volume of the selected channel or group.
- **Reverb Knob:** Adds reverb to the selected channel for a sense of space.
- **Tone Knob:** Adjusts bass/treble for the selected channel (LEDs show settings).
- **Pan/Spread Knob:** Pans mono channels or adjusts stereo width for stereo channels (use with Spread Button).
- **Master Volume Knob:** Controls the overall mix level.
- **Master Tone Controls:** Adjusts Bass, Treble, and Enhance for the entire mix.
- **Mono Mix Out Knob:** Sets level for the XLR mono output (e.g., for a subwoofer).
- **One-Touch Ambience Button:** Adds room/audience ambience to the mix.
- **Dual Profile Channel Button:** Mirrors a key channel (e.g., vocal) with two profiles (A/B).
- **Group Button:** Combines multiple channels for unified control.
- **Solo/Mute Buttons:** Isolates or silences a selected channel.
- **Save/Recall Buttons:** Saves or loads mix presets.
- **Instant Mix Recall Buttons (1–4):** Quickly loads saved presets.

2. Creating Your Monitor Mix

1. Select and Adjust a Channel:

- Press a Mix Channel Button to select a channel (e.g., vocal, guitar). The green LED lights up.
- Volume: Turn the Channel Volume Knob to set the channel's level. Watch the LED indicators for reference.
- Reverb: Turn the Reverb Knob to add reverb, enhancing the in-ear experience.
- Tone: Use the Tone Knob to boost/cut bass or treble. LEDs show low/high settings.
- Stereo Placement:
 - For mono channels, turn the Pan Knob to position the sound left or right.
 - For stereo channels, press the Spread Button, then use the Pan Knob to adjust stereo width or pan position.

2. Use the Dual Profile Channel (if you want a specific channel to quickly change during a set):

- To focus on a critical channel (e.g., lead vocal), press and hold the Dual Profile Channel Button, then press a Mix Channel Button to assign it.
- Switch between Profile A and Profile B using the Profile Select Buttons for different settings (e.g., louder for solos).
- Adjust volume, reverb, tone, or pan for the Dual Profile Channel independently.

3. Add Ambience:

- Press and hold the One-Touch Ambience Button, then turn the Channel Volume Knob to mix in room/audience ambience.
- Adjust to taste for a more natural in-ear sound.

4. Create and Control Groups:

- To group channels (e.g., drums), press the Group Button, select channels by pressing their Mix Channel Buttons, then press Group again to save.
- Adjust volume, reverb, or tone for the group as a single unit using the respective knobs.

5. Fine-Tune the Master Mix:

- Use the Master Volume Knob to set the overall mix level.
- Adjust Master Bass, Treble, and Enhance Tone Controls to optimize the mix for your in-ears or headphones.
 - The ENHANCE control is a specially developed bass and treble EQ curve designed to increase low-end punch and high-end brilliance in a mix. Use it to further tailor the EQ of your overall master mix.

6. Solo or Mute Channels:

- Press the Solo Button to isolate a selected channel for fine-tuning.
- Press the Mute Button to silence a channel without changing its settings.

7. Adjust Channel Volumes with Trim All:

- To lower the volume of all channels equally by a fixed amount, preserving the relative balance of your mix while creating headroom to increase the volume of a specific channel or channels (e.g., when a channel is already at maximum):
 - Press and hold the Mute Button.
 - While holding Mute, press and hold the Group Button.
 - Release both buttons when the Mix Channel LEDs flash, indicating that all channel volumes have been reduced equally.
- Use this feature when you like your mix but need to make a specific channel (e.g., your vocal or instrument) louder without altering the balance of other channels. After using Trim All, adjust the desired channel's volume upward using the Channel Volume Knob.

3. Saving and Recalling Mixes

1. Save a Mix:

- After setting up your mix, press and hold the Save Button.
- Select a preset location (1–16) by pressing a Mix Channel Button or save to an Instant Mix Recall Button (1–4) for quick access.
- Presets store channel volumes, reverb, tone, pan/spread, and ambience settings.

2. Recall a Mix:

- Press the Recall Button, then press a Mix Channel Button to load a preset (1–16).
- For faster access, press an Instant Mix Recall Button (1–4) to load a saved preset instantly.

4. Tips for Effective Operation

- **Monitor Signal Levels:** Check the Digital Signal/Limit LED. If it's constantly red, reduce channel or master volume to avoid clipping.
- **Label Channels:** Refer to the Channel Label Strip (if labeled) to identify channels quickly (e.g., "Vocal," "Keys").
- **Practice Presets:** Save multiple presets for different songs or performance scenarios (e.g., quiet vs. loud mixes).
- **Use Trim All Strategically:** When a key channel (e.g., your vocal) is maxed out but you want it louder, use Trim All (Mute + Group) to lower all channels equally, then boost the desired channel's volume to maintain mix balance.
- **Check Headphone Volume:** Start with low Master Volume and gradually increase to protect your hearing.
- **Test During Soundcheck:** Adjust your mix during rehearsal to ensure balance before the performance.

5. Troubleshooting During Operation

- **No Sound in Headphones:**
 - Ensure Master Volume and Channel Volume are turned up.
 - Verify headphones are plugged into the 1/4" or 1/8" stereo output.
 - Check the A-Net LED (steady green indicates a valid connection).
- **Mix Sounds Distorted:**
 - Lower the Master Volume or individual channel volumes if the Signal/Limit LED is red.