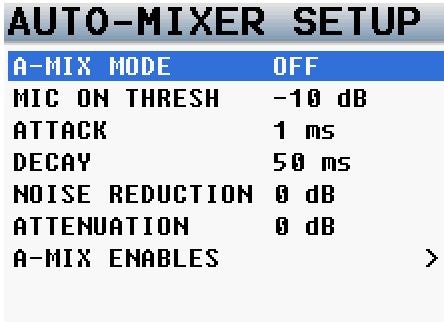
### Auto-Mixer - Nomad 6, 8, 10 and 12 Only

When Auto-Mixer is on, and a speaker starts to talk, Nomad will automatically open that microphone and add that microphone to the mix. Then when a speaker stops talking that microphone will be attenuated “closed” and essentially be removed from the mix.

Removing unused microphones will result in a lower noise floor giving you a cleaner, better sounding mix without having to manually ride the faders. Manually riding faders in unscripted dialog often results in missing the start of when a person begins to speak.

Nomad’s Auto-Mixer has no limit on the number of microphones that can be active at one time. The Auto-Mixer also has a last microphone on feature; this means that even if no one is speaking there will always be one microphone included in the mix, which will be the last active microphone. The last mic on feature allows the mix to never go to absolute silence.

**NOTE:** Auto-Mix will be routed to Output Bus 1. When using Auto-Mix make sure you remove all crosspoints from the Bus Assign Matrix for Bus 1. If any crosspoints are active they will be mixed into the Auto-Mixer audio.



### A-Mix Mode

Enables Nomads Auto-Mixer and sets if the Auto-Mixer will act pre-fade or post-fade.

* **Pre-Fade** - The Auto-Mixer is inserted before the faders in the audio chain so only the trim control will affect the microphone levels. Since the Auto-Mixer is before the faders the faders have no affect on the levels.
* **Post-Fade** - The Auto-Mixer is inserted after the faders in the audio chain and both the trim and the faders will control the levels of the microphones.

### Mic On Threshold

Sets the level that a microphone needs to be reached before that microphone opens.

When a speaker’s microphone reaches the **Mic On Threshold** level, as indicated on the input meter, that microphone will open and become part of the mix.

* **Mic On Threshold** can be set anywhere between **-60dB** and **-10dB**

### Attack

Sets how fast the microphone is added to the mix when a speaker starts to talk.

* **Attack** can be set anywhere between **1** and **150 ms**

### Decay

Sets how long a microphone will stay active after the signal has fallen 10dB below the Mic On Threshold.

* **Decay** can be set anywhere between **1** and **150 ms**

### Noise Reduction

Sets how much the output noise floor is attenuated when no one is talking.

* **Noise Reduction** can be set anywhere between **0dB** and **-10dB**

### Attenuation

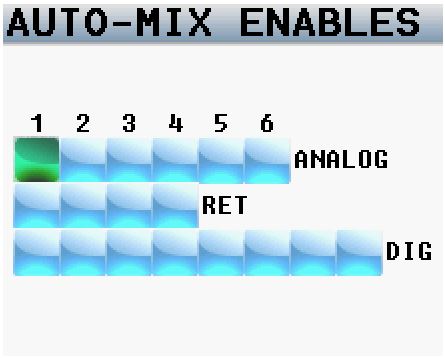
Sets how much each microphone is attenuated when it is closed.

* **Attenuation** can be set between **-10dB** and **-80dB**

**NOTE:** When a microphone is closed the level of that input is actually attenuated rather than muted. The level of attenuation is adjustable by the Attenuation setting. In some noisy environments it may be more palatable to hear some / most of the ambient mic noise all the time rather than hear the noise mute and then re-appear when someone talks.

### Auto-Mix Enables

The Auto-Mix enable matrix sets which inputs are included in the Auto-Mix. When an input is selected to be included in the Auto-Mix an “A” will be displayed to the right of the input meter.



Analog Inputs

Returns (Analog Input 7-10)

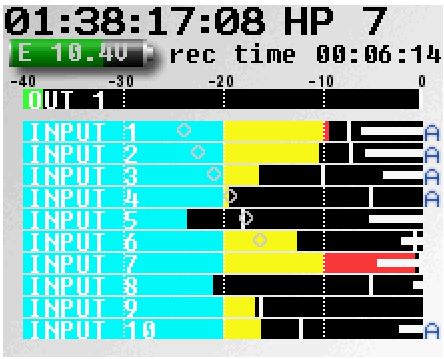
Digital Inputs

### Using The Auto-Mixer

Auto-Mix indicator

Active channel indicator

Virtual faders



* The Auto-Mixer menu can be accesses from the Main Menu. After the Auto-Mixer is enabled you can the access the menu by pressing the A-MIX key on Nomad. Unless MP3 support is turned on, in that case the A-Mix key toggles the MP3 recording marker.
* After your inputs are assigned to the Auto-Mixer the letter “A” will appear to the right of the meter for that input.
* When that input is active the “A” will be replaced by a blue dot indicating that the input is being included in the mix.
* If return inputs (7-10) are being used the virtual fader will appear over the meters for those inputs. To adjust the levels on those inputs press the Menu knob to highlight that fader. Then by rotating the menu knob will adjust the level to that input. To advance to the next fader press the menu knob. Press the back (headphone) knob to return to normal operations or adjust the hardware fader for a different input. If any of the virtual fader are being used the Menu knob must be held for 1 second in order to access the Main Menu.
* The Auto-Mix output will default to Output Bus 1. Most users will want to make sure all Bus routing is cleared for Output Bus 1 to prevent unwanted audio from mixing into the bus.

**NOTE:** Auto - Mix will not be able to differentiate between a speaker’s voice and noise such as a hit to the microphone. So if the noise is louder than the Mic On Threshold that microphone will engage.