Mixer plug-in is the perfect fit for building small mixing/routing applications without breaking your bank account. Loaded with digital signal processing algorithms running in double precision, click-less mute and fast response RMS meters, this plug-in was engineered with versatility and audio quality in mind.

### Software features
- Extensive set of audio algorithms
- Live tuning, hear the changes real time
- Save/Load configurations
- Optional offline system tuning
- Extensive plotting capabilities
- Plug & Play setup requires no driver
- Free Un-limited Upgrades, your plug-in evolves as we evolve!

### Applications
- Multi-room audio distribution
- Multi-channel custom amplifier
- Musical effects
- DJ mixer processor
- Mobile recording audio mixer
- Custom Pro Audio boards

### Algorithm and plug-in configuration

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling frequency</td>
<td>48kHz</td>
</tr>
<tr>
<td>Algorithm resolution</td>
<td>Double precision for best audio quality (56bits resolution)</td>
</tr>
<tr>
<td>Digital Inputs</td>
<td>Plug-in IN#1&amp;2 available on I2S_Data_In7&amp;8</td>
</tr>
<tr>
<td>Digital Outputs</td>
<td>Plug-in OUT#1/2/3/4 available on I2S_Data_Out1/2/3/4</td>
</tr>
<tr>
<td></td>
<td>Un-processed signal from ADC on I2S_Data_Out5/6</td>
</tr>
<tr>
<td></td>
<td>Un-processed signal from Digital IN on I2S_Data_Out 7/8</td>
</tr>
<tr>
<td>Input mute</td>
<td>Click-less input mute per channel</td>
</tr>
<tr>
<td>Digital gain</td>
<td>Fader gain control from –80 to 0dB</td>
</tr>
<tr>
<td>Input RMS meters</td>
<td>Monitoring signal from –80dBFS to 0dBFS - 150ms refresh</td>
</tr>
<tr>
<td>Low/High pass filters</td>
<td>Butterworth/Bessel second order (-12dB/oct)</td>
</tr>
<tr>
<td></td>
<td>Linkwitz-Riley fourth order (-24dB/oct)</td>
</tr>
<tr>
<td></td>
<td>Bypass feature</td>
</tr>
<tr>
<td>Graphic equalizer</td>
<td>1/3 octave, 31 bands equalizer with +/-15dB boost</td>
</tr>
<tr>
<td></td>
<td>Channel linking, bypass, reset</td>
</tr>
<tr>
<td>High pass filter</td>
<td>Types: Butterworth/Linkwitz Riley/Bessel / Bypass feature</td>
</tr>
<tr>
<td>Matrix mixer</td>
<td>2 inputs mixed to 4 outputs</td>
</tr>
<tr>
<td></td>
<td>Knob control gain from –60 to 0dB gain</td>
</tr>
<tr>
<td>Output mute</td>
<td>Individual output mute</td>
</tr>
<tr>
<td>Master output gain</td>
<td>Analog potentiometer control fader from –80 to 0dB gain</td>
</tr>
<tr>
<td>Output RMS meters</td>
<td>Monitoring signal from –80dBFS to 0dBFS</td>
</tr>
</tbody>
</table>

### Audio flow chart diagram

### Example application diagrams

**Audio distribution**
- Stereo audio source
- MiniDSP kit
- Living room
- Bedroom

**Custom multi-channel amplifier**
- MiniDSP kit
- Amplifier module
Low/High pass filter

Double precision algorithms (56bits) for greater resolution in low frequency range.

Filter choice to better fit your application.

Complex plotting displays the combined effect of low pass, equalizer and high pass filter.

Bypass feature to listen to the effect of filter settings.

Graphic equalizer

Double precision algorithms (56bits) for greater resolution in low frequency range.

Complex plotting displays the combined effect of low pass, equalizer and high pass filter.

Link channel feature keeps Left & Right input in synch.

Bypass feature to listen to the effect of your equalizer settings.

Matrix mixer & metering

Matrix mixer
Mix your signal from –60 to 0dB as you wish. Ideal to route signal to one of the four audio outputs or simply mix two sources together.

RMS meter displays for input and output channels. Resolution from –80 to 0dBs (Full scale)

Custom firmware

Looking for a custom firmware for a specific application? Want an OEM version for your own product line?

Our sales and engineering can help. Just email us with a description of your requirements and we'll get back to you with a quote.

Software & Hardware requirements

PC Hardware requirements
- 1GHz CPU
- 512MB RAM
- USB V2.0

Software requirements
- Windows XP/Vista/7
- Adobe Air environment
- Net 3.5 environment

Mac Hardware requirements
- Intel Core Duo or faster
- 512MB RAM
- USB V2.0

Software requirements
- Mac OS X v10.4, 10.5, 10.6
- Adobe Air environment