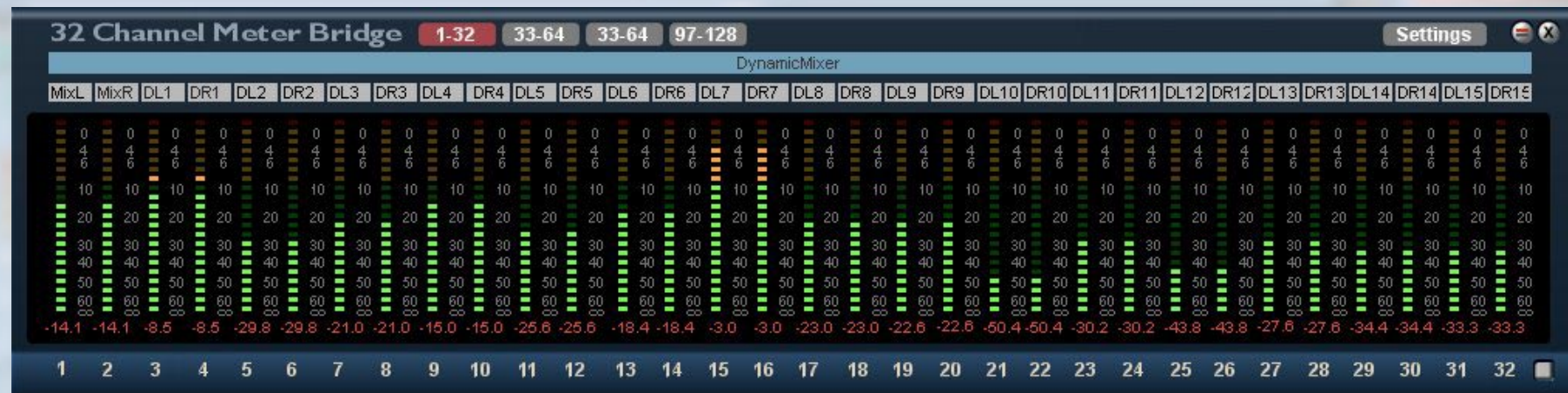


Meterbridge

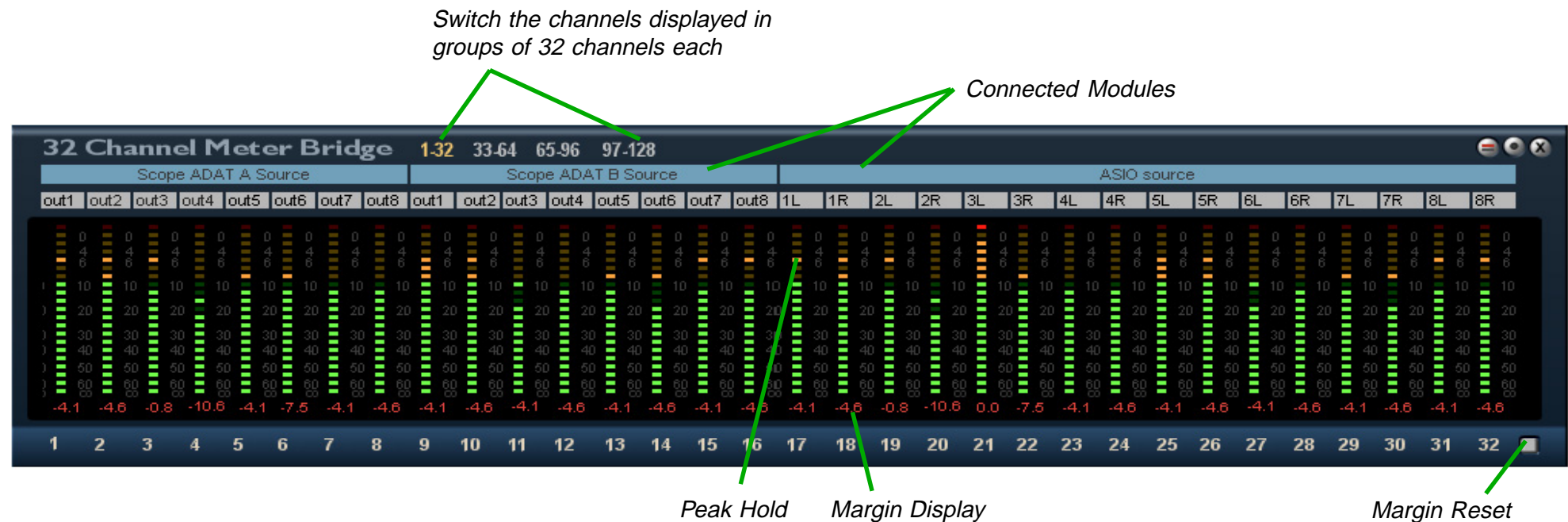
Meter Bridge Connections
Settings



Meterbridge

Meterbridge

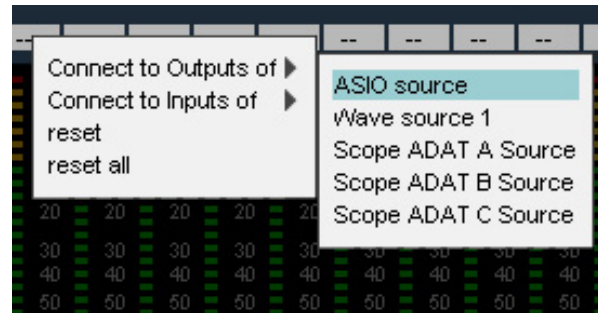
The Meter Bridge is used to measure the levels of any arbitrary module or modules. Altogether you can monitor up to 128 channels on four screens of 32 channels each. All LED chains feature a Margin display and a Peak Hold segment. The Peak Hold display reponds according to the signal level and the peak characteristic setting.



Meter Bridge Connections

To simplify the cabling, this module, unlike all other project modules, does not provide connection pads on the module surface in the Routing window. Instead, connections are assigned on the module's work surface. This scheme greatly reduces onscreen clutter.

To establish a connection, click with the right mouse ('Ctrl' + mouse button in Mac version) button on the Connection field for a particular meter channel you want to connect a signal to. A context-sensitive popup menu appears offering you a selection of the inputs and outputs available on the modules loaded in the Routing window. After you make the selection, the respective signals from the module are connected sequentially to the meter bridge channels, and the individual signal names appear above the LED chain. Above the signal names, in a light blue area, the name of the module providing the signals is displayed. The extent of the blue color indicates the range of channels occupied by the named module.



Two further options in the popup menu allow you to Reset (disconnect a particular module) or Reset All (disconnect all modules).

Settings

Each 'LED' is associated with a specific signal level and shines when that level is reached or exceeded.

Red LED: The red LED indicates a level of -0.01dB. Strictly speaking this is not an *over* condition, but it does indicate a very high signal level. To be safe don't allow analog input signals to exceed -3.0dB. With digital signals, such as those from a wave player, you can let the red LED flash more frequently. This does not indicate overs, just a high signal level. If the digital input signal has been compressed and normalized this LED will flash more often.

1. Yellow LED:	-0.50	dB
2. Yellow LED:	-2.33	dB
3. Yellow LED:	-4.10	dB
4. Yellow LED:	-6.10	dB
5. Yellow LED:	-7.33	dB
6. Yellow LED:	-8.66	dB
1.-14. Green LEDs:	-10.5 dB, -13.33 dB, -16.66 dB, -20.5 dB, -23.33 dB, -26.66 dB, -30.5 dB, -35.0 dB, -41.0 dB, -45.0 dB, -51.00 dB, -55.0 dB, -61.0 dB, -96.00 dB	



You can adjust the behaviour of the LED displays in the Settings dialog.

Notify Change: This allows you to adjust the level difference in dB at which the LED chain is updated, effectively letting you scale the resolution of the display.

Example: With a value set to -10 dB, a level increase from -30 dB to -25 dB will not result in a change in the display. The display will change only when the level reaches -20 dB.

Fallback: Controls the speed at which the LED display drops to the current level from a previously higher level. The value indicates the speed in dB per second. The higher the value, the more responsive the display.

Peak Hold Time: Controls the length of time in seconds that the last peak level is held in the display.

Mode: You can choose from two display modes for the LED chains. In **Fast** mode (yellow button) the LED displays react quickly and actively, but with a relatively rough individual precision. In **Precise** mode (grey button) the display is more precise for an individual LED display, but less responsive when many signals are being measured. Select **Precise** only when individual accuracy is important. In general, use **Fast** mode. In either mode, the peak levels are equally accurate.

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