

UCI Meters

March 26, 2026

v1.0.1



UCI Meters



UCI Meters v1.0.0
build 1
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Options

Minimum Response Threshold

-60.0dB

Allow LED to hide

Enable

Threshold

0dB

Preview Mode

Enable

Metering

Type

Peak

Response

.300

Hold Time

1.00

LED Color Settings

+20dB

0dB

Standard Multi-Color

☒

☐

Custom Color Range

☐

Bottom

Turn-On Point

Top

Threshold

-60.0dB

Threshold

-18.0dB

Threshold

0dB

Red

124

Red

0

Green

124

Green

255

Blue

124

Blue

0

Preview

Trim

Meter

LED

0dB

1

0dB

0dB





0dB

2

0dB

0dB







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Introduction

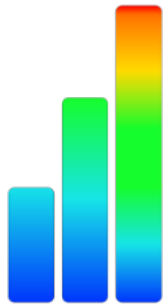
UCI Meters is a new take on the old-school signal presence LED meter found on many analog mixer channel strips. A single LED control changes color in relation to the input meter value. You can define the bottom-end color and threshold, the upper-end color and threshold, and the point at which the LED transitions from off to on (with a glow effect).

Additionally, the LED can be hidden below a certain level threshold, or configured to not respond below the minimum threshold, blocking out any analog noise that may be present.

Color options for the LED can be multi-colored — either following the color gradient of the standard meter, or skewed in the upper end to show red once the signal reaches 0dBFS. A custom two-point color gradient may also be defined.

Both the linear meter and the LED can be overridden with Preview Mode, with each channel individually controllable at the desired preview level. This allows UCIs to be screenshotted or verified without needing a core to pass actual audio signal.

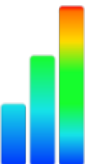
UCI Meters replaces the LED Meter plugin, but now allows audio signals to be connected directly to the plugin without requiring control links. Audio even passes through the plugin to output pins, allowing the plugin to be wired in-line with any signal chain. The number of channels is definable, allowing a single block to handle multiple meters and LEDs for one or more UCIs.



Properties

Channel Count

defines the number of discrete audio channels and associated meters, ranging from 2 to 512.



Controls

Minimum Response Threshold

a level knob that sets the minimum input signal level needed to show response on all meters.

Hide Enable

a toggle button that determines whether the LEDs should be invisible if the input signal level is below the Hide Threshold.

Hide Threshold

a level knob from -120dB to 20dB that sets the point at which the output LEDs will become invisible.

Preview Mode

a toggle button that sets Preview Mode.

Meter Type

a combo box that changes the metering ballistics between Peak and RMS.

Meter Response Time

a value knob from 10ms to 1s that sets the averaging of the meter ballistics.

Hold Time

a value knob from 10ms to 10s that sets the hold time of the meter.

Multi Color +20dB

a radio-style toggle that sets the output led to use the multi-color gradient with red being +20dBFS.

Multi Color 0dB

a radio-style toggle that sets the output led to use the multi-color gradient with red being 0dBFS.

Custom Color

a radio-style toggle that sets the output led to use the custom color gradient settings.



Controls

Bottom Threshold

a level knob from -100dB to 0dB that determines the minimum signal level that will produce the bottom-end color of the gradient.

Bottom Preview

a sample LED that shows the color and state of the bottom-end color settings and the On Threshold.

Bottom Red, Bottom Green, Bottom Blue

integer knobs from 0 to 255 that control the component colors of the bottom-end color of the gradient

Top Threshold

a level knob from -100dB to 0dB that determines the maximum signal level that will produce the top-end color of the gradient

Top Preview

a sample LED that shows the color and state of the top-end color settings and the On Threshold.

Top Red, Top Green, Top Blue

integer knobs from 0 to 255 that control the component colors of the top-end color of the gradient

Turn-On Threshold

a level knob from -100dB to 0dB that determines the signal level value which will cause the Output LED to glow and change its state from false to true

Preview Level

a level knob from -120dB to 20dB that sets the meter and LED level when in Preview Mode.



Controls

Trim

a level knob from -40dB to +40dB that applies a mathematical offset to the incoming signal level to be used for presentation on the output meter and LED. This is useful when the system gain structure is based on a lower value due to the nature of working in dBFS but you want the meters to appear to have a higher gain. E.g. Your gain structure may be -20dB but you want the meters to read as 0dB so the colors appear in the green region of the color gradient.

Meter

a meter that shows the channel signal level as a result of either the Preview Level, or the sum of the actual input signal and the Trim.

LED

an LED that indicates the signal level by representation of color, according to the chosen color settings



v1.0.1 – March 26, 2026

- Update to ProIO branding

v1.0.0 – May 1, 2025

Original release