

Power Tap

March 26, 2026
v1.0.1



ProIO Power Tap

ProIO Power Tap v1.0.1
build 4
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Status OFF State ON
System is ON

Sequence Control

Sequence Lockout Durations
Off Duration (s) 60 On Duration (s) 60

Press and Hold Buttons
OFF ON
Press and Hold Time (s) 3

Trigger Buttons
OFF ON

Reverse Off Sequence Direction

Taps

	OFF			ON	
	Bypass	Delay	State	Bypass	Delay
Tap 1		1.00			2.50
Tap 2		1.00			2.50



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Introduction

Power Tap is a flexible sequencing utility that makes it easy to recall control states, trigger events, and set power statuses for amplifiers, peripherals, and external devices. The plugin features a configurable number of outputs, or "taps", that can be individually time-sequenced. Each tap offers a trigger, a set boolean, and a reset boolean for both the "On" and "Off" directions, as well as a state boolean that sets or follows the state of the tap. A convenient bypass button allows a tap to be skipped during the sequence for maintenance or override purposes.

The plugin's press-and-hold ON and OFF buttons offer a configurable hold time and are ideal for placement directly on a UCI. The status readout provides a clear indication of how long the button must remain pressed and when the power sequence will be complete. The trigger ON and OFF buttons are ideal for chaining together events that should happen without delay, or for activating Power Tap from GPIO inputs.

Finally, Power Tap features an option to reverse the Off sequence direction. When enabled, the sequence will begin at the last tap and work backwards, allowing systems that require a mirrored power-up and power-down procedure to make effortless use of Power Tap.



Properties

Tap Count

an integer between 2 and 100 that defines the number of available taps



Controls

Status Off

indicates when the OFF sequence is active, or the plugin is in the OFF state

Status State

indicates whether the current state is ON (green) or OFF (blue)

Status On

indicates when the ON sequence is active, or the plugin is in the ON state

Status Message

a text display that shows user-friendly messages indicating the status of the action sequence or the system state. When a sequence button is being pressed, the message will indicate how many seconds the button should continue to be pressed before the action sequence will begin. The cycle time will also count down.

Off Duration

an integer knob that sets the number of seconds that the sequence buttons will remain locked after a power off event. This is useful for a “cool down” period for projectors to prevent them being turned back on too quickly.

On Duration

an integer knob that sets the number of seconds that the sequence buttons will remain locked after a power-on event. This is used to prevent the system from being turned off too soon to save wear on system components.

Press and Hold OFF

the main Off button of the plugin, this momentary button should be used with UCIs to start the power off sequence

Press and Hold ON

the main On button of the plugin, this momentary button should be used with UCIs to start the power on sequence



Controls

Press and Hold Time

an integer knob that sets the number of seconds that the Press and Hold ON and OFF buttons must be held in order to start their respective sequences

Trigger Off

a trigger button that immediately begins the power off sequence

Trigger On

a trigger button that immediately begins the power on sequence

Reverse Off Sequence

a boolean button that sets whether the power off sequence should start at the highest numbered tap and work backwards. This is useful for shutting down a system in the opposite direction from the power on sequence.

Change Trigger (Pin Only)

this pin sends a trigger pulse to connected controls any time the ON or OFF sequences are activated

Change Set (Pin Only)

this pin sets any connected boolean control to true any time the ON or OFF sequences are activated. Useful for setting mutes whenever the system power state changes.

Change Reset (Pin Only)

this pin resets any connected boolean control to false any time the ON or OFF sequences are activated. Useful for clearing bypass states whenever the system state changes.



Controls

Tap Off Bypass

toggles whether the Off actions of the tap should be activated. Bypass will have no effect on the delay of the tap or of the overall sequence timing.

Tap Off Delay

sets the time in seconds the plugin should wait before activating the Off actions for the given tap.

Tap Off Reset (Pin Only)

this pin resets any connected boolean control to false

Tap State

a toggle button that shows whether the specific tap is On (green) or Off (blue). The state button can be manually changed at any time to test programming logic, regardless of the overall state. The State button can also be used to directly manipulate boolean power controls such as amplifier power buttons.

Tap On Bypass

toggles whether the On actions of the tap should be activated. Bypass will have no effect on the delay of the tap or of the overall sequence timing.

Tap On Delay

sets the time in seconds the plugin should wait before activating the On actions for the given tap.

Tap On Trigger (Pin Only)

this pin sends a trigger pulse to connected controls

Tap On Set (Pin Only)

this pin sets any connected boolean control to true

Tap On Reset (Pin Only)

this pin sets any connected boolean controls to false



Cycle Time

Once an action sequence is started, the Status Message will display whether the system is powering ON or OFF with a number in parentheses. This indicates the number of seconds remaining in the "sequence lockout duration" or "cycle time". The cycle time begins after the last tap in the sequence has been activated. Therefore, the displayed number is the sum of the configured On or Off Sequence Lockout Duration plus the sum of all the tap delays.



Changelog

v1.0.1 – March 26, 2026

- Updated to ProIO branding

v1.0.0 – April 17, 2021

Original release