Control Programming LLC

Release Notes

CPLLC WattBox

Version 5.00 · November 7, 2026

Product	CPLLC WattBox (Crestron Home extension)
Version	5.00
Release date	November 7, 2026
Where to find it	Drivers › Power Controller › WattBox › 250 Series
Requires	Crestron Home OS 4.12 or later, and a WattBox IP power controller: the 300, 700 and later series by the WattBox Integration Protocol, or the older 100, 150, 250 and 800 series by their web page
Licensing	A WattBox license key (cpllc.net/product/wattbox) or a CPLLC site license key (cpllc.net/product/site-license), entered in the extension's Enter License Key, or a site license key once in the CPLLC License Manager

Overview

The CPLLC WattBox extension brings the outlets of a WattBox IP power controller into Crestron Home. Its tile opens a page listing the outlets the installer has named, each showing whether it is on; any outlet can be turned on, turned off or cycled from the page or from sequences, and each named outlet raises an event when it turns on or off. The extension talks to the WattBox over the local network, with no cloud account: by the WattBox Integration Protocol on the newer models, which report every change as it happens, and by the web page on the older ones.

Capabilities

Capability	What it does
Outlets named by the installer	Up to 18 outlets, each shown under the name the installer gives it; an outlet left blank is not shown and has no sequence or event.

Capability	What it does
On, off and cycle	Each outlet's row shows On in green or Off in red; its button offers On, Off and Cycle, which turns the outlet off and back on after Cycle Seconds.
Both WattBox protocols	The 300, 700 and later series are reached by the WattBox Integration Protocol (Telnet), which reports every outlet change at once, including changes made on the WattBox itself; the older 100, 150, 250 and 800 series by their web page, read every 30 seconds. The extension finds out which one the WattBox speaks.
Sequences	Outlet On, Outlet Off, Outlet Toggle and Outlet Cycle, each choosing the outlet by its name, and for each named outlet an event when it turns on and when it turns off.
PIN code	A PIN can be required before the page's controls work.
Live changes	Debug output turns on and off while the processor runs.

What's New in 5.00

- Rebuilt on the CPLLC 5.0 shared libraries and Crestron Home's current driver SDK, with a new WattBox library.
- The newer WattBox models now report outlet changes as they happen, including changes made on the WattBox or its app; the extension keeps one connection open and reconnects by itself.
- The page lists the outlets the installer names, each with On, Off and Cycle; naming the outlets replaces the 3.0 Outlet(s) Display Filter.
- Outlet Cycle uses Cycle Seconds; Outlet Toggle is new. The 3.0 Outlet Reset sequence is gone: use Outlet Cycle.
- Outlet modes (enabled, disabled, reset only) are no longer set from Crestron Home: set them on the WattBox's web page. The 3.0 Enable Mode option is gone.
- The WattBox's address, port, username and password are entered on the first page.
- Its own license key, or a CPLLC site license key, licenses the extension by itself, so the CPLLC License Manager is no longer required; it is still the convenient place to enter a site license key once for every CPLLC driver.

Installing

Before installing, give the WattBox a fixed address, and on the newer models check that its integration protocol (Telnet) is turned on in its web page. Add the extension from Drivers › Power Controller › WattBox › 250 Series. The CPLLC License Manager is not required. The 3.0 extension is a different driver: add this one beside it, set up its sequences, then remove the 3.0 one.

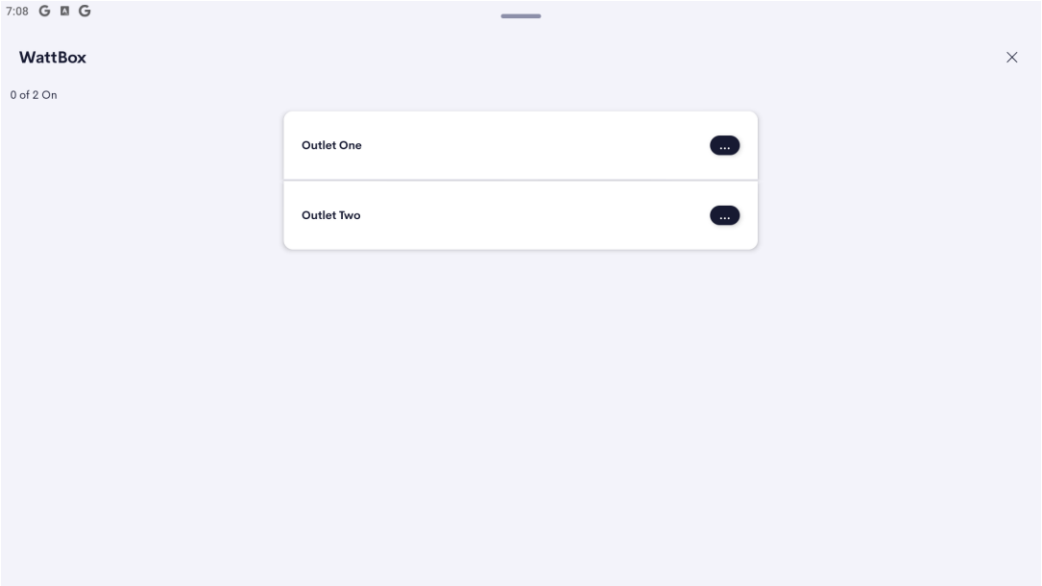
The first page asks for the WattBox's address, its Telnet port (23 unless it was changed on the WattBox) and the username and password of a WattBox account. The next page holds the options below: name each outlet to show.

Installer Options

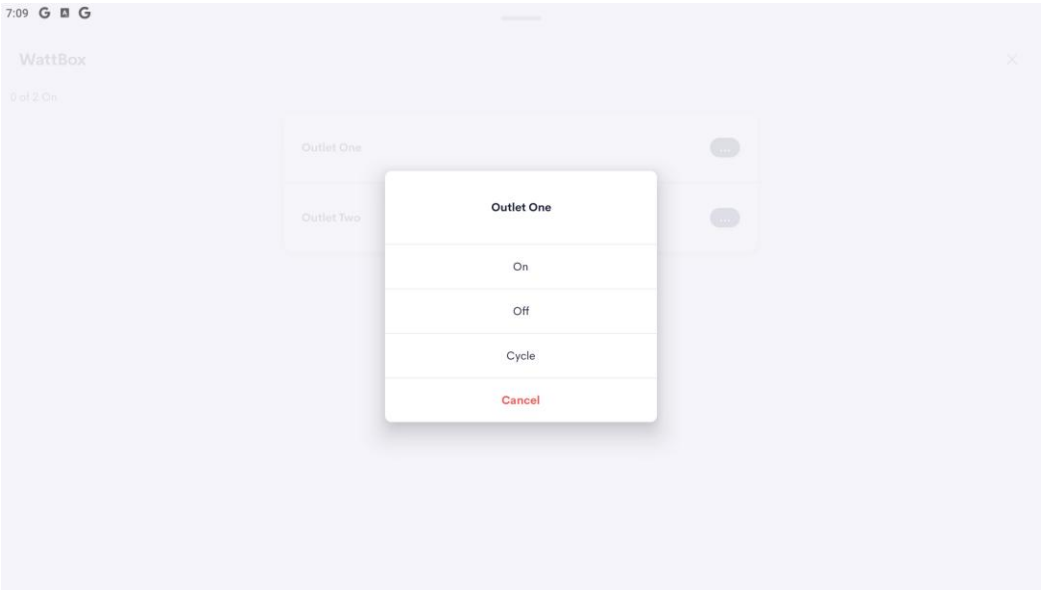
Option	Description
IP Address/Hostname	The WattBox's address.
Port	The WattBox's Telnet port (default 23). The older models are reached on their web page, port 80.
Username	The username of a WattBox account.
Password	That account's password.
Obtain License Key	Opens CPLLC.net, where license keys and site licenses can be purchased.
Enter License Key	The WattBox license key. Leave blank when the site has a CPLLC site license.
Show on Home Screen	Shows the tile on the Home screen (default off).
Show in Room Screen	Shows the tile in its room (default on).
Starting Pin Code	A numeric PIN that must be entered before the page's controls work. Blank means no PIN (the default).
Seconds Pin Active	How long the page stays unlocked after the last touch (default 10 seconds).
Only Display Tile	Shows only the tile, with no page (default off).
Cycle Seconds	How long Cycle leaves an outlet off before turning it on again, 1 to 300 seconds (default 5).
Outlet 01 … Outlet 18	The name each outlet is shown under, Outlet 01 for the WattBox's outlet 1. Leave an outlet blank to leave it out; it then has no row, sequence or event.

End-User Experience

The tile shows how many of the named outlets are on. Its page lists the named outlets, each with On in green or Off in red (Offline in yellow when a WattBox it has reached stops answering; no state at all until the WattBox is first reached) and a button that offers On, Off and Cycle.



The page with two named outlets



An outlet's button: On, Off and Cycle

Without a valid license key or a CPLLC site license, the tile runs for a two-hour grace period after the extension starts; then it shows License Expired and ignores its controls. Entering a valid key, or adding a site license, clears it without a restart.

Sequences

The extension brings its actions and events to Crestron Home sequences, under its name in Customize Actions & Events. Outlet On, Outlet Off, Outlet Toggle and Outlet Cycle each list the named outlets to choose from. Each named outlet has a "Turned On" and a "Turned Off" event, under its name.

The actions:

Action	Description
Outlet On / Outlet Off	Turns the chosen outlet on or off.
Outlet Toggle	Turns the chosen outlet off when on, on when off.
Outlet Cycle	Turns the chosen outlet off, then on again after Cycle Seconds.
Extension Enable / Extension Disable	Enables or disables the device. A disabled device shows Disabled and ignores its tile and page.

The events:

Event	Description
<outlet> Turned On / <outlet> Turned Off	The named outlet turned on or off, from the page, a sequence or the WattBox itself.
Extension Enabled / Extension Disabled	The device was enabled or disabled.
Pin Locked / Pin UnLocked	The PIN keypad locked again, or the right PIN was entered (with a Starting Pin Code set).

Known Limitations

- Not yet tested on a WattBox: on the processor, the extension installed, showed its options, page, actions and events, and reported a WattBox that doesn't answer as an invalid address; its WattBox protocols were tested against a simulated WattBox that answers as SnapAV's Integration Protocol document describes, and a simulated older-model web page. A test on a real WattBox will follow.
- The older models (100, 150, 250 and 800 series) don't report changes by themselves: the extension reads them every 30 seconds, and after each command.
- Eighteen outlet boxes are always shown in Setup, whatever the WattBox has: name only the outlets it has.
- Outlet names on the page are the ones typed in Setup, not the names set on the WattBox.
- Outlet modes and the WattBox's own outlet names are set on its web page.
- The 3.0 extension is a different driver and does not upgrade in place: its sequences are set up again with this one.

Test Environment

Crestron Home 4.013.0134 on a DIN-AP4-R.

Version History

Date	Version	Changes
2026-11-07	5.00	Rebuilt on the CPLLC 5.0 libraries: the WattBox's outlets as a list named by the installer, with On, Off, Toggle and Cycle; push feedback from the newer models by the WattBox Integration Protocol, and the older models by their web page

Support

> **CPLLC Site License**
> A CPLLC site license is one key per processor, entered in the License Manager, that licenses every CPLLC extension and platform on that processor, current and future, so no product needs a key of its own. See the Site License page. Customers who already own CPLLC license keys can upgrade to a site license on the CPLLC website for the difference.

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Product page	https://cpllc.net/product/wattbox/

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