Control Programming LLC
Release Notes

Extension – WattBox 150/250/300/700/800 Power Cloud
version 2.00.006

Extension

This release note is for the Crestron Home extension WattBox 150/250/300/700/800 series of IP controllable PDUs. Each series has multiple outlet configurations up to 18

Notes and Recommendations

Would recommend unchecking the visibility checkbox so that the extension is hidden from the end user. If a specific outlet needs to cycle it is recommended that a quick action be created. Minimizes the chance of the end user turning off the wrong outlet.

This extension is meant to provide Crestron Home control of the WattBox outlets. It is not intended to replace the web-based configuration on the 300/700 series. Due to deficiencies in the SSH/TCP protocol, this extension should be used to configure the 150/250/800 series as the protocol does not give outlet mode feedback (enabled/disabled/reset).

A known issue with the SSH/TCP protocol is that you must change the password even if you have already changed the default password to use SSH. Also, the password cannot have any special characters (e.g. $).

Drivers->Power->WattBox

System Requirements and Dependencies

Provide any minimum versions of applications required to run your driver.

- Crestron Home v3.013
- This extension requires that the License Manager (https://cpllc.net/product/license-manager/) also be installed on the processor

Installation/Upgrade Instructions

Installer Settings

ⓘ	**Obtain License Key** Clicking the link, on the right, takes you to CPLLC.net where license keys can be obtained. A purchased license key is required to be entered i...	CPLLC.net
ⓘ	**Enter License Key** A purchased license key must be obtained by clicking the above link and entered here. The extension will function 100% without a license key ...	
ⓘ	**Show in Home Screen** Checked to show on Home screen	☐
ⓘ	**Show on Room Screen** Checked to show in Room screen	☑
ⓘ	**Enable Mode** Indicates if the mode control is user enabled	☐
ⓘ	**Outlet(s) Display Filter** Specifies which outlets are to be displayed. If left blank all outlets will be displayed. To specify an outlet(s) comma seperate the out...	
ⓘ	**Cycle Seconds** Number of seconds to wait between turning plug off and turning plug on	10
ⓘ	**WattBox Address** WattBox IP address	
ⓘ	**WattBox Username** WattBox Login Username	
ⓘ	**WattBox Password** WattBox Login Password. If an SSH device, this will need to be changed at least once in order to enable SSH logins.	

Obtain License Key – clicking on the "CPLLC.net" link will take you to the website to purchase the necessary license. The obtained license key will need to be entered in the license manager on the appropriate SKU.

Show on Home Page – check if extension is to be visible on the home page.

Show in Room Page – checked if extension is visible in the room page

Check to enable Mode – this option is only usable on the 150/250/800 series units. If unchecked the ability to change the outlet mode is hidden along with the ability to change the outlet name.

Outlet(s) Display Filter – if left blank all outlets will be displayed. Comma separated outlet numbers will display only those outlets.
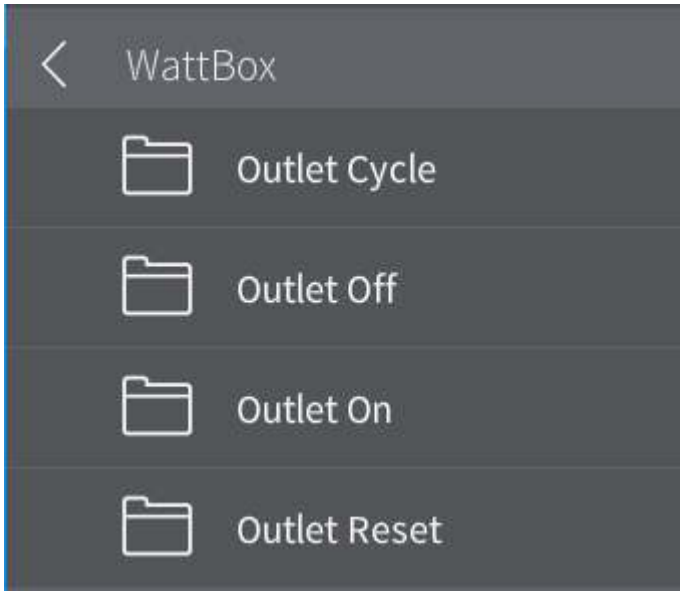
Cycle Seconds – the number of seconds between the outlet turned off and turned on when the outlet power is cycled.

IP Address – IP address of the WattBox.

Username – Username required to login to the WattBox

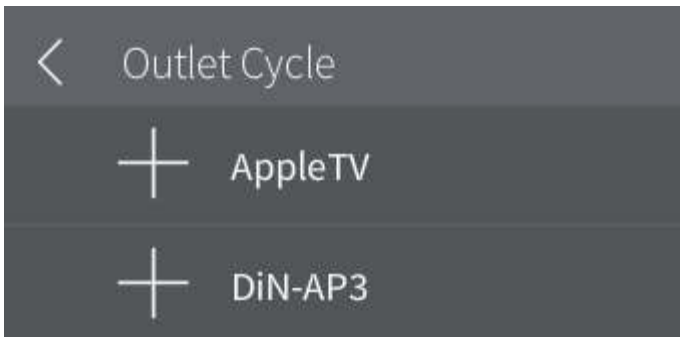**Password** – Password required to login to the WattBox

Actions

Outlet Cycle – this is selected to cycle an outlet from off to on. The installer settings Cycle Seconds defines the time between on and off.

Outlet Off – this is selected to turn the outlet off

Outlet On – this is selected to turn the outlet on

Outlet Reset – WattBox can define an outlet as a resettable only outlet.

Sequence Action Outlet Selection

The outlet names, as configured in the web-based configuration screen will be displayed.

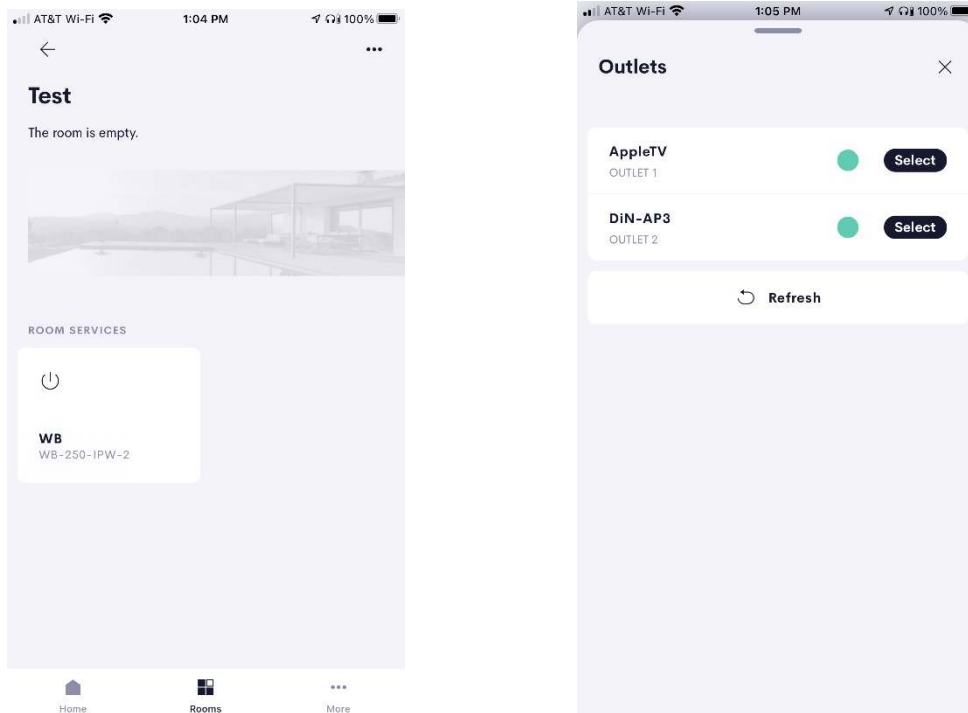There is no need to remember the actual outlet number.

Events

The installer can trigger and event based on the state of the outlet.

If the outlet is turned on, the corresponding outlet number (1-18) will be triggered.

If the outlet is turned off, the corresponding outlet number (1-18) will be triggered

There is a Crestron Home bug where only the first 10 actual show.
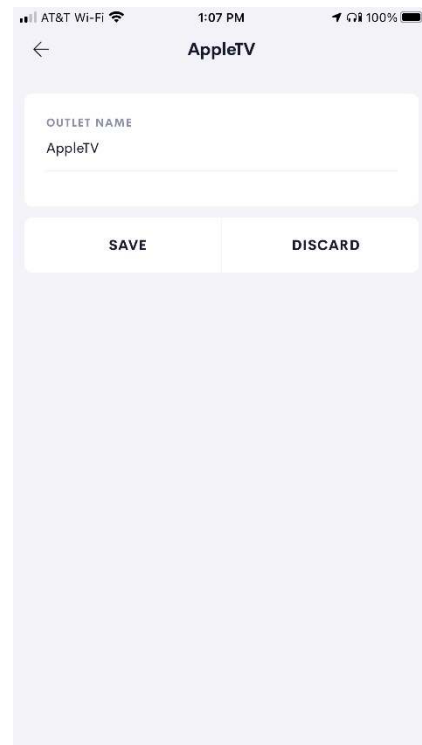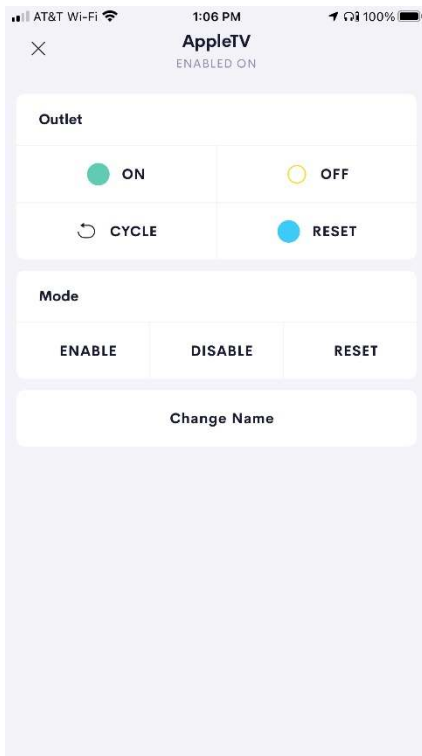
End-User Experience

The left screen shot shows the extension displayed in the room. The right screen shot shows the outlets control page. An outlet can be turned on/off/cycled after hitting the SELECT button.

- A green dot is displayed when the outlet is powered.
- An empty circle is displayed when the outlet is off.
- A yellow dot is displayed when the outlet has been disabled.
- A blue dot is displayed when the outlet is resettable only.

The refresh button is used to resync the extension with the WattBox, eliminating the need to constantly poll the device.

If the "Check to make Visible" installer option is unchecked, neither of the screens will be displayed.

The left screen shot shows the outlet control page.

The right screen shot shows the name change page.

The mode selection (enable/disable/reset) and change name button can be hidden by unchecking the "Check to enable Mode" in installer settings. These two areas will also only be displayed in 150/250/800 series WattBox devices.

Limitations/Known Issues

None known

Supported Features

See above

Test Environment

List the environments where this driver has been tested and any control system firmware versions used.

- Crestron Home v3.005

Supported Models

- WattBox 150 Series – SSH/TCP protocol
- WattBox 250 Series – SSH/TCP protocol
- WattBox 300 Series – HTTP protocol
- WattBox 700 Series – HTTP protocol
- WattBox 800 Series – SSH/TCP protocol

Contact Information

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- License: https://cpllc.net/?product=wattbox

Version History

2023-04-04   2.00.006

- Added required CCD SDK JSON fields

2022-08-03   2.00.001

- Converted to License Manager

2021-04-03   1.01.001.001

- Added site license support

2021-03-22   1.00.001.002

- Fixed issue with License not being check

2021-03-16   1.00.001.001

- Initial Release

Licensing and Copyright Information