
WattBox 800 and 820 Series Firmware

Release Notes

2.7.0.4 Release Details

Version	2.7.0.4
Release Date	2025-01-30
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, WB-800CHIUIPVM-8, WB-820-IPVM-2, WB-820CHIUIPVM-8, and the WB-820-IPVM-12

Improvements

- Local UI has been updated to include an Outlet Options page to configure the Outlet Name, Outlet Mode, and Power-On Delay.
- Improved time stamp accuracy in the WattBox logs.
- Added support for existing and future WattBox accessories.
- Added support for future OvrC-enabled features.
- Multiple cyber security enhancements.
- Added the WattBox Temperature Sensor data to the control API.

2.6.0.8 Release Details

Version	2.6.0.8
Release Date	2024-06-20
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, and the WB-800CHIUIPVM-8

Improvements

- Added support for the WB-ACC-ADAPTER-800 and future WattBox hardware solutions.
- Added support for future OvrC features and enhancements.
- Continuous improvements that support a robust firmware testing environment.
- Improved synchronicity of outlet event notifications.
- Replaced yahoo.com with microsoft.com in the default ping Host Configuration.
- Significant improvement to UPS battery health reporting.



Note: Take note of your customer's UPS battery health after this update – some conditions may have been unreported earlier.

2.5.0.8 Release Details

Version	2.5.0.8
Release Date	2023-10-31
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, and the WB-800CHIUIPVM-8

Improvements

- Added support for 800 Series Trigger Accessory hardware.
- Enabled a feature in OvrC to allow user to change UPS Voltage from 'Normal' range to 'Generator' range for 800 Series devices connected to OvrC UPS 1100, 1500, and 2000 rack-mount series.
- Enabled a feature for a user to be able to Factory Reset a device from OvrC.
- Enabled a feature that allows the user to toggle Telnet on and off via OvrC.
- Updated local UI security to enable HTTPS by default after factory reset or for units with 2.5.0.8 as factory set firmware.
- Two additional password security enhancements. The new password requirements do not impact old passwords that have already been set.
 - 3 different types of characters required.
 - Half or more of the string cannot be repeated or ascending characters, i.e. 1234 or 1111.
 - Password range requirement is 8 -63 characters (existing as of firmware version 2.3.0.8).

- Added support for future WattBox hardware solutions..
- Added support for future OvrC enhancements
- Made multiple cyber security updates.

2.3.0.8 Release Details

Version	2.3.0.8
Release Date	2023-05-16
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, and the WB-800CHIU-IPVM-8

Improvements

- LED Brightness control has been added to devices with a faceplate (both integrated and standalone faceplates). Control is available in the C4 driver, control protocol, and OvrC.
- Password and username length has been increased for both the control API and Local UI.
- Password range requirement is now 8 -63 characters. Th new password requirements do not impact old passwords that have already been set.
- Added local UI and control system API WattBox system name validation.
- Made several cyber security enhancements.
- Added support for future WattBox accessories and features.
- Added support for several future OvrC-enabled features.

Bug fixes

- Fixed outstanding UPS bug which would result in the WattBox application being unable to process actions and commands.
 - Added additional logic to ensure proper outlet state is followed after surge, brown out, and other rare conditions.
 - Fixed a bug in the OvrC time configuration impacting GMT +13 regions.
 - Fixed a bug where HTTPS certification may not be available until the following day.
-

2.3.0.2 Release Details

Version	2.3.0.2
Release Date	2022-10-19
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, and the WB-800CHIUIPVM-8

Improvements

- Turning outlets on, using the WattBox's Power button, now obeys power on delay settings.
- Various internal improvements to the WattBox firmware.
- Added support for future OvrC enabled features.
- Additional support for WattBox accessories.

2.2.1.8 Release Details

Version	2.2.1.8
Release Date	2022-09-06
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, and the WB-800CHIUIPVM-8

Improvements

- Improved the value setting process for the Over-Current Protection feature.
- Added support for future WattBox accessories and features.
- Made the firmware upgrade process more robust by:
 - Protecting against simultaneous firmware update attempts.
 - Modifying the timeout for the firmware update process to enhance reliability.



Note: A **Reset All Outlets** action must be performed after the upgrade is complete. If an outlet is Disabled during the Reset All Outlets action, the new parameters will not take effect. All outlets must be turned off, then back on.

If you cannot perform a **Reset All Outlets** action directly after the update, use the **Schedule** feature in OvrC to reset the outlets at a more convenient time.

2.2.1.0 Release Details

Version	2.2.1.0
Release Date	2022-05-16
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, and the WB-800CHIUIPVM-8

Improvements

- The WB-800CHIUIPVM-8's power button press has been updated to a press and hold for 3 seconds to power the unit on and off.
- Fixed a bug that could prevent firmware upgrades from properly uploading, which prevented OvrC device details and outlet status from loading.
- Made the firmware upgrade process more robust.
- Added support for future WattBox accessories.
- Security improvements.

2.1.2.0 Release Details

Version	2.1.2.0
Release Date	2021-08-11
Products Affected	WB-800-IPVM-6, WB-800-IPVM-12, WB-800VPS-IPVM-12, and the WB-800VPS-IPVM-18. The WB-800CHIU-IPVM-8 is not included in this release.

Improvements

- Improved Over-Current Protection (OCP), which is a feature built into each WattBox 800 series unit to protect your gear and installation from instances of excessive current.



Note: A Reset All Outlets action must be performed for the new OCP parameters to take effect. If an outlet is Disabled, the new parameters will not take effect. All outlets must be turned off, then back on.

If you are on site, you can unplug and plug the PDU back in to ensure all outlets have been reset, but this is not a required step.

- Security improvements, including enhanced security surrounding HTTPS and SSH functionality.
- Fixed UPS bug - When pairing an 800 series PDU with a UPS, if the UPS is configured to shut down outlets before the battery is drained, and the battery completely drains, when power returns, the PDU would 'remember' the last state of those outlets being off and not turn them back

- on. This only happened to outlets that were set to 'enabled'. Power does return to outlets that are set to 'Network reset only'.
- In Device Activities, added outlet name and whether executed from local UI or control system API for outlet on, off, or reset actions.
- Made the firmware update process more robust.
- Added API command to support "exit" session (see API v2.4).
- Fixed cosmetic issues in local UI.

2.0.1.4 Release Details

Version	2.0.1.4
Release Date	2021-01-14
Products Affected	WB-800VPS-IPVM-12, WB-800-IPVM-12, WB-800-IPVM-6, and the WB-800VPS-IPVM-18

Improvements

- Fixed bug causing control system API to fail and not rebind to the port.
- Added control API to enable/disable SDDP broadcasting.
- Several enhancements to web server to account for changes to multi-connection browsers like Chrome or Chromium based browser.
- Fix to correct length of username and password login over API.
- Fixed double login when logging in through SSH.
- Added "Successfully logged in!" message to SSH API to make it clear when it is ready for commands.
- Improved HTTPS support.
- Made several cyber security enhancements.
- Reduced the verbosity of debugging messages surrounding UPS detection.
- Modified log export to include uptime and correct hardware info.
- Fixed LED blink irregularly.

1.2.0.6 Release Details

Version	1.2.0.6
Release Date	2020-02-06
Products Affected	WB-800VPS-IPVM-12, WB-800VPS-IPVM-18, WB-800-IPVM-6



Caution: This update adds required adjustments to comply with the California IoT password law in effect as of the start of 2020. This firmware forces a change in your username and password if the defaults (wattbox/wattbox) are still being used.



Note: Adjust the username and password on the control systems used with the IP WattBox.

Improvements

- Updated user accounts and user access to accommodate password law constraints set by California's new IoT security legislation.
- Account Settings no longer accept "&" for username or password.
- Improved the firmware upgrade mechanism as follows:
 - Modified firmware image to have a checksum to verify downloaded firmware.
 - Added model number validation to the firmware to prevent improper use.
 - Added error checking during firmware upgrade to stop interim corruption of the unit as the firmware is applied.
- Improved control system API for outlet settings to handle manual (power-on) delay or configured delay for reset.
- On the local UI, the outlet reset only and disabled treatment now displays correctly.
- On the local UI, disabled outlets can now be restored, and reset displays properly on disabled outlets.
- Adjusted wattage and amperage counters and display per outlet, to prevent anomalous readings and improve overall accuracy.
- Adjusted logic around grouping of outlets for faster outlet resetting.
- Added back reset all API for control system applications, should now work with the latest WattBox drivers.
- Added control API commands for querying ups connection and auto reboot status
- Added hourly check for UPS existence & proper updating to the cloud when disconnected
- Resetting outlets via control system APIs, particularly with concurrence, no longer locks the system.

- Added broadcast for two-way telnet communication; outlet status is now actively reported via control system APIs.
- Polling from the control system now properly updates LAN information when using discovery with SDDP.
- Improved titling for the various WattBox products so that browser tabs uniquely identify WattBox PDU, Wi-Fi WattBox PDU, and WattBox VPS product.

Known Issues

- After updating the firmware, you may experience a broken or malformed login page. This is due to cached information in the browser; as such, clearing the cache and settings in your browser resolves the problem.
- Once this firmware is installed, you cannot to downgrade to any previous version. We recommend that you back up any configuration on the system and execute the upgrade either while on-site or with a support individual on-site.