

System Requirements:

- ### Optional System Components:

- ### Known Issues:

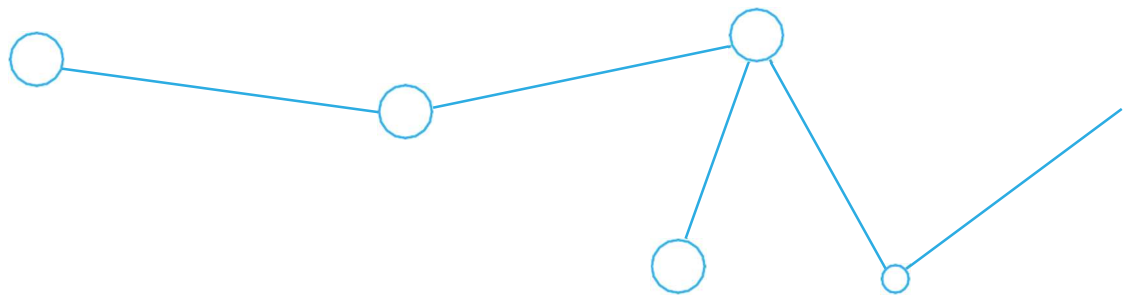
- Firmware Package Date:**

Build Number:

Server Version Requirement:

System Update Compatibility:

© 2024 - all rights reserved - CAST Group of Companies Inc.



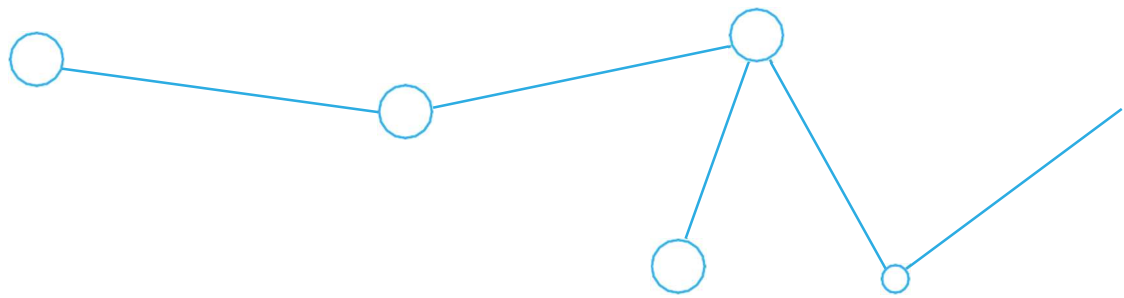
Features and Fixes:

Improvements

- Added support for default Windows COM drivers to manage BT hardware connected via a USB port. This should prevent a large number of Windows issues pertaining to usage of the old Beacon driver (STM32), which is no longer supported by Windows 10 and newer. Associated firmware updates for all BT devices will be provided on the BlackTrax Member's Only Downloader.
 - When start Device Manager, you will be prompted to uninstall the original Beacon driver.
 - You may choose to ignore this at your own risk, if you find yourself in a situation where USB access is needed to BT Hardware and it is not possible for you to upgrade the firmware.
 - Added an option to settings which will uninstall the Beacon driver.

IMPORTANT NOTE: Steps and procedures to update firmware have been updated to reflect the above COM drivers changes. Please review the updated Firmware Update Instructions packaged with the latest firmware package.

- Stable performance is maintained with a large number of connected devices and lower auto-get settings
- Added more filtering options to the top of the device list, including the ability to hide devices that are disconnected, listed from the main BT UI, or that match certain hardware types.
- Selecting station(s) in the "Charging Station Widget" will filter out any devices not physically connected to those stations.
- Improved performance, stability, and UI responsiveness with deferred networking functionality
- Users can hide disconnected devices from BT Monitor. It is ideal for systems with many Beacons and patches constantly changing in BlackTrax
- Bit depths over 12-bit unsupported by the Mini Beacon hardware are no longer available in Device Manager
- Mini Beacon IDs can now work with values over 256 in 12-bit mode and are incompatible in 8-bit mode
- Mini Beacon ID field has been removed as it performs the same functionality as changing the Preset
- Sync Dock and Charging Station firmware updates will display a message indicating "Please wait up to 30 seconds, then click connect for ID change to take effect." when you change their corresponding IDs
- Updates for device connection/disconnection are linked to the auto-get timer.
 - Note if you have this set very high, you may not see anything until you turn the auto-get timer down or click connect
- Improved stability from USB connections when changing device properties
- Improved stability during Connects, Get Beacon List and other manual update functionalities



Bug Fixes

- *Fixed: Bug where the IMU would become enabled when changing Beacon preset values.*
- *Fixed: ID changes could not be applied to the selected beacon.*
- *Fixed: Calibration checkbox no longer override unrelated settings such as Wireless Channel.*
- *Fixed: Memory leak previously experienced when running Device Manager for an extended length of time*
- *Fixed: Multiple issues with firmware updates:*
 - *Improved stability when Classic Beacons update in parallel*
 - *Charging Station and Sync Dock update no longer crash upon start*
 - *Improved Mini Beacon update stability*
 - *Bootloader upgrades are no longer available in user mode*
 - *BT Router and TimeKeeper can no longer be downgraded with firmware from older devices*
 - *Firmware updates no longer hang in flashing state if devices disconnect while updating is in progress*
 - *Bootloader upgrader function correctly*
 - *Firmware updates may not be started in parallel*
- *Fixed Beacon and Charging elements not updating in the UI after a property was changed*
- *Fixed: Device sorting*
- *Fixed: Crash during network updates from other devices*
- *Fixed: Crash during updating Charging Station IDs*
- *Fixed: "Update Device" window no longer stay open and become unresponsive.*
 - *The window will close automatically when the startup process is complete*
- *Fixed: BT Router and TimeKeeper hardware can no longer get stuck in bootloader mode when connected to Device Manager*
 - *Note: This doesn't apply in Advanced Mode*
- *Fixed: Crash with conflicting device IDs or IP addresses*
 - *A warning will appear suggesting disconnecting the conflicting devices and fixing them one by one*