



1 Release Description

Release Date: 5/8/26

This document does not represent a guarantee to deliver features, materials, or the like at a specific time or ever from Ciholas, Inc. This document is meant to be informational only.

This release of the CUWB System incorporates general user interface (UI) updates including; a new area of the CUWB Manager Frontend for system notifications, a new Device Management tab for managing device configurations, and a Networking Wizard to assist with ethernet configuration.

Support has also been added for reducing UWB RF power allowing users to reduce the overall range of devices and improve performance in small areas with extreme multipath.

The release also includes general system stability improvement and bug fixes as indicated in the detailed sections below.

2 Features & Improvements

2.1 CUWB System¹

- Added support for TX power reduction
- Added support for disabling Tag and Anchor LNAs
- Added support for dynamically swapping out anchors while the CUWBNet is running
- Added support for Role Mode LED in MultiRange
- Added wired-only and wireless-only bootloading modes
- Added support for querying Device Attributes from Tags and Anchors

¹ CUWB System changes are global and apply to most if not all subcomponents of the CUWB System.



2.2 CUWB Manager (Frontend)

- Added Networking Wizard
- Status page now reports tag battery percentage and charging info
- Added device status reporting in Device Manager
- Added bulk action support to Device Manager
- Added notification page
- Improved CUWBNet text log download process
- Improved responsiveness when using a browser not local to the CUWB System Host PC
- General stability improvements

2.3 CUWB API (Backend)

- Added Network Information endpoint
- Added notification history endpoint
- Added bulk action endpoint for Device Manager
- CUWBNet ID generation is now randomized
- Added device data caching for information such as battery percentage
- General stability improvements

2.4 CUWB Engine

- General stability improvements

2.5 CUWB Viewer

- Improved popup window contrast
- Added geofencer support
- General stability improvements

2.6 CUWB Firmware

- PT301
 - Updated default Wake on Shake Search timeout to 5 minutes
 - General stability improvements
- AN302
 - Fixed corner case rebuild redundancy issue with last anchor in Ethernet chain
 - General stability improvements

2.7 CUWB Migrate

- N/A

2.8 CDP Logger

- Added support for Ubuntu 24.04
- Added Netmask support for interface address
- Multicast socket binding updates
- Removed size limit to filename
- General stability improvements

3 Included Versions

CUWB Manager Components	Revision
CUWB Manager Package	5.1.0-cuwb5.1.0
Backend	1.16.6
Frontend	1.13.6
CUWB Engine	6.32.6
WebSocket	1.2.2

CUWB Firmware Components	Revision
PT301	6.3.0-cuwb5.1.0
AN302	6.3.0-cuwb5.1.0

CUWB Accessory Packages	Revision
CDP Logger	1.6.0
CUWB Migrate	1.17.1
CUWB Viewer	2.2.1
CUWB USB Interface	1.2.0
CDP-PY	1.8.1

4 Revision

Version	Date	Change Description
v5.0.1	2025-12-17	Added Jurisdiction Support for MIC and CE
v5.0.0	2025-10-31	Initial CUWB-5.0.0 Release