

# V-LD1-RFB Release Notes

## V-LD1\_FWR-RFB-0108; Released: 13/12/2024

### Included software

- Bootloader: V-LD1\_BTL-RFB-0105
- Application: V-LD1\_APP-RFB-0108
- Control Panel: V-LD1\_CTP-RFB-0108

### Application

#### Fixed

- Adjust Frequency to new FCC norm
- Prevent calibration data from being erased if the power is cut in the wrong moment
- Remove the debug message from the error handler

### Control Panel

#### Fixed

- GNFD is now sent with only 1 byte Payload

## V-LD1\_FWR-RFB-0107; Released: 30/11/2023

### Included software

- Bootloader: V-LD1\_BTL-RFB-0104
- Application: V-LD1\_APP-RFB-0107
- Control Panel: V-LD1\_CTP-RFB-0107

### Bootloader

#### Fixed

- When programming a wrong encoded binary file further updates were not possible anymore. This bug was resolved.

### Application

#### Fixed

- When the RX line was going low for a while a framing error occurred. The V-LD1 reports this error correct. But when it after reporting goes to sleep mode while the RX line still is low it was not able to wake-up through a new UART command again and does not respond anymore. Now it checks the RX line before going to sleep and only goes to sleep when the RX line isn't low.

## Control Panel

### Fixed

- At playback the frame settings like "min. and max. distance" in FFT frame were disabled. This was fixed to enabled.
- After a playbaced file the settings were not loaded from device again and have been wrong. This was solved.

## V-LD1\_FWR-RFB-0106; Released: 27/06/2023

### Included software

- Bootloader: V-LD1\_BTL-RFB-0103
- Application: V-LD1\_APP-RFB-0106
- Control Panel: V-LD1\_CTP-RFB-0106

### Bootloader

#### Changed

- CRC check only after new firmware update (faster start-up possible)
- Reset "stay in bootloader flag" only when new firmware is valid
- Poll communication only when stay in bootloader
- Optimize for speed for faster start-up

### Application

#### Fixed

- GNFD data changed from 16Bit to 8Bit
- Save "stay in bootloader flag" before sending RESP message
- Prevent of erasing one page in Eeprom emulation after every start-up
- Clear UART errors and clear interrupt flags at COM initialization (prevent of RESP with framing/noise error)

## Control Panel

#### Changed

- Version incremented

## V-LD1\_FWR-RFB-0105; Released: 11/05/2023

### Included software

- Bootloader: V-LD1\_BTL-RFB-0102
- Application: V-LD1\_APP-RFB-0105
- Control Panel: V-LD1\_CTP-RFB-0105

## Bootloader

- Nothing changed

## Application

### Added

- Short range filter for leakage mitigation
- New command to enable/disable short range filter

### Fixed

- Target was detected outside the valid range defined via Min./Max. distance

### Changed

- Valid detection range input changed to [bin]
- Parameters are only written into flash if value has changed

## Control Panel

### Added

- Short range FIR filter control for leakage mitigation
- New buttons in all top window charts to reset the view settings
- Min./Max. distance settable in RFFT - Raw fft data window
- Min./Max. distance settable in PDAT - Real time plot window

### Fixed

- Changed values were not sent by click on enter
- Value input was always interrupted
- Controls in upper frames were always enabled

### Changed

- Valid detection range input changed to [bin]
- Some labels and texts
- Higher distance resolution in charts

## V-LD1\_FWR-RFB-0104; Released: 23/02/2023

### Included software

- Bootloader: V-LD1\_BTL-RFB-0102
- Application: V-LD1\_APP-RFB-0104
- Control Panel: V-LD1\_CTP-RFB-0104

**Bootloader**

- Initial

**Application**

- Initial

**Control Panel**

- Initial