



LUKA Firmware V2.0.70 Release

November 3, 2023

Overview

This release is V2.0.70, and the model targeted for the release is LUKA. This firmware supports the wired and wireless upgrade. Please upgrade the firmware according to the upgrade guide.

Features

- Supports multiple constellations & frequencies:
 - GPS L1/L2/L5
 - GLONASS L1/L2
 - BeiDou B1I/B2I/B3I/B1C/B2a
 - Galileo E1/E5a/E5b
 - QZSS L1/L2/L5
- Supports 1568 channels
- 410-470MHz UHF radio, 4G network, Wi-Fi, Bluetooth, NFC
- Various working modes
- Up to 19 hours working in 4G/3G/2G network and Rover radio mode

Change from Previous Versions

Issue	Type	FW
Formal release		V2.0.70
Add the function of temporary use after the expiration of the registration code	New function	
Optimize upgrade logic of MCU to reduce upgrade failures and repeated upgrades due to serial port communication	Bug fix	
Fix MFG to not lose SN	Bug fix	
Add communication status information to update network status in real time	New function	
Fix the format of static records	Bug fix	
Update FGO tilt algorithm to fix accuracy and RMS issues	Bug fix	
Update MCU firmware, Ultimate version supports IMU data display electronic bubbles	New function	
4G module is turned on by default to provide faster internet connection speeds	New function	
Add the corresponding information update of RTCM1021-1027	New function	
Other improvements to program functionality and stability	Bug fix	
Optimize startup time and timeout	Bug fix	V2.0.53-beta
Other improvements to program functionality and stability	Bug fix	
Add OTG upgrade firmware	New function	V2.0.49-beta
Add geo-fence	New function	
Other improvements to program functionality and stability	Bug fix	
Initial firmware version		V2.0.41