

September 20th, 2022

SP20 V4.31 Firmware Release

Introduction

This document is the firmware release notes for the [SP20 V4.31](#). This version is a minor release with performance improvement only.

Because this version will not bring any new feature, upgrade will be available for free without the need of warranty extension.

Upgrade Procedure

Customer can upgrade SP20 new firmware by following this procedure:

- Copy `sp20_upgrade_4.31.tar` file in download folder of SP20
- Start GNSS loader
- Select "Upgrade Firmware"
- "`sp20_upgrade_4.31.tar`" appears on the Upgrade firmware window
- Just clic on it and follow instructions

Firmware list and versions

General version number: [V4.31 – 8/24/2020](#)

OS: [3.0.101#357](#)

PVT: [NP85V60](#)

DSP: [NC85V60](#)

SL: [NS87V12](#)

XDL: [V02.04\(3\)](#) or [V2.10\(3\)](#)

The SP20 [V4.31](#) is compatible with:

- Survey Mobile: [2.3.0](#)
- Mobile Mapper Field: [5.0](#)
- SPACE: [2.3.4](#)
- RINEX Converter: [5.0.8](#)

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- Survey Office: [5.30](#)

Improvements (since version 4.22)

RTX beam update:

- a. Mexico: the new **RTXME** satellite (1555.8155 MHz, 1200 bps) replaces the current RTXMX satellites (1555.7825 MHz, 600 bps)
- b. CIS, India, Western China: the new **RTXIR** satellite (1545.5050 MHz, 1200 bds) replaces the current RTXIO satellite (1545.5300 MHz, 600 bds)
- c. Africa, Middle East: the new **RTXAF** satellite (1546.21 MHz, 1200 bds) replaces the current RTXEA satellite
- d. Europe: the **RTXEU** satellite replaces the current RTXEA satellite. Only the name and the coverage are modified

New features (since version 4.22)

No new feature

Resolved problems (since version 4.22)

none

Known Issues

none