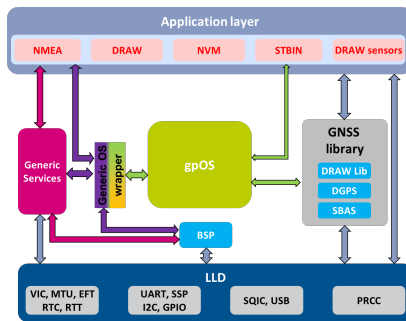


Teseo-LIV4F firmware for Teseo-LIV4F tiny dual-bands GNSS module



Features

- Communication interface:
 - UART
 - I2C
- Protocols:
 - NMEA
- Multiconstellation:
 - GPS
 - GLONASS
 - Galileo
 - BeiDou
 - QZSS
- Assisted GNSS
 - Real time AGNSS



Product status link

[Teseo-LIV4FSW](#)

Description

This package contains the latest released firmware for the [Teseo-LIV4FSW](#).

This firmware must be used in combination with the Teseo Suite PC software application to perform the firmware update on the Teseo-LIV4F tiny dual-bands GNSS module.

1 Teseo-LIV4F firmware

Teseo-LIV4F can support several different firmware based on the application needs. Each firmware can address different application and uses-case:

- **STA8041_LIV4F_PVT_STD**
It is the standard firmware preinstalled in the Teseo-LIV4F module.
It embeds the standard PVT supportings: GPS, Galileo, GLONASS, BeiDou, and QZSS.
It can accept RTCM MSM7 message correction data from the host
It is the firmware suggested for most applications.
- **STA8041_LIV4F_PVT_IRNSS**
It is a secondary firmware available for the Teseo-LIV4F module.
It embeds the standard PVT supportings: GPS, Galileo, IRNSS, BeiDou, and QZSS.
It is the firmware suggested in case of application addressing the Indian market thanks to the acquisition of the Indian constellation (IRNSS)
- **STA8041_LIV4F_PVT_MSM1**
It is a secondary firmware available for the Teseo-LIV4F module.
It embeds the standard PVT supportings: GPS, Galileo, GLONASS, BeiDou, and QZSS.
It can accept RTCM MSM1 message correction data from the host
It is the firmware suggested in case of the application where a correction assistance data provided on the MSM1 protocol is available for the final application.
- **STA8041_LIV4F_ME_STD**
It is a secondary firmware available for the Teseo-LIV4F module.
It embeds the standard PVT supportings: GPS, Galileo, GLONASS, BeiDou, and QZSS.
This firmware promotes the Teseo-LIV4F as measurement GNSS engine allowing the transmission of RTCV v3 correction data.
This firmware is suggested when available an RTK algorithm running on the host.

Revision history

Table 1. Document revision history

Date	Revision	Changes
11-Nov-2022	1	Initial release.
12-Jun-2024	2	Added Teseo LOGO. Add Section 1: Teseo-LIV4F firmware. Minor text changes.

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