



YUNEX Technical Bulletin STAB23-0148

ST950 Firmware Release 46059 Issue 29.0

YUNEX
TRAFFIC

Introduction

A new version of the ST950 Firmware 667/TZ/46059/000 has been released.

Issue 29.0 is available to download from [YUNEX Traffic Technical Downloads](#)

This release includes the following changes:

- New licences for Remote Monitoring without UTMC control and other licence card changes.
- Adds the new Stratos Green Record facility.
- Improved support for /102 CPU PCBs (USB smartcard reader)
- Various MOVA8 fixes and improvements.
- Added a Plus+ 'Node Comms' web page to help with installation and maintenance issues.
- Numerous security and stability updates

For the complete list of changes, refer to the ST950 Compatibility Handbook (667/SU/46000/000 revision 24 or later)

Priority of Change: *For Information Only*

Scope

ST950 Firmware 46059 issue 29.0

Procedure

ST950 Firmware Package

To upgrade the ST950 Firmware 46059 to **Issue 29.0** requires the following firmware package file:

- **REL_46059_29_0_12.pkg**

This is available to download from [YUNEX Traffic Technical Downloads](#)

Upgrading from version v28

Upgrading the ST950 (EFC) firmware from **v28 to v29** only requires the user to press the Level-3 pushbutton to initiate the firmware upgrade. During the upgrade, the Traffic Signals enter Reserve State, which at most installations means they remain illuminated and cycle in Fixed Time mode.

Upgrading from versions between v23 and v27

Upgrading the ST950 (EFC) firmware from **v23 (or later)** only requires the user to press the Level-3 pushbutton to initiate the firmware upgrade. During the upgrade, the Traffic Signals enter Reserve State, which at most installations means they remain illuminated and cycle in Fixed Time mode while the EFC firmware is updated.

Following that firmware upgrade, the firmware in other devices on the ST950 CPU card and/or the firmware in various Plus+ devices will also need to be upgraded. This will require the Traffic Signals to be switched off, but typically for less than 5 minutes.

Upgrading from v22 or earlier

Upgrading from **v22 (or earlier)** requires the user to switch off the Traffic Signals and press the Program button at the start of the process. The Traffic Signals will remain off until the upgrade is fully complete, which could take 20 minutes or more.

Performing the Upgrade

To upgrade the ST950 Firmware 46059 please follow the instructions in the following handbook:

- 667/HQ/46000/009 - ST950/Stratos Outstation Firmware Upgrade Quick Start Guide

Once the upgrade is complete, please use the System page to verify that the firmware has been upgraded correctly and the Package Version is displayed as:

- **29.0.12**

As mentioned above, depending on the previous version of firmware, this new version may include newer firmware for other devices. Check the Fault Table for such messages and their associated help to upgrade those devices.

New Licenses

The following new license combinations are now available in addition to the original licenses. The complete list of licenses can be found in the ST950 General Handbook 667/HB/46000/000.

New Remote Monitoring licenses have been added to give the option of Stratos remote fault monitoring without the need to purchase a UTMC license.

All these new licenses require ST950 Firmware **Issue 29 or later**.

Part Number	Licence Description
667/1/47557/000	Remote Monitoring
667/1/47557/003	Remote Monitoring + MOVA 7 streams 1-2
667/1/47557/004	Remote Monitoring + MOVA 7 streams 1-4
667/1/47557/005	Remote Monitoring + MOVA 7 Upgrade streams 1-2
667/1/47557/006	Remote Monitoring + MOVA 7 Upgrade streams 1-4
667/1/47557/009	Remote Monitoring + MOVA 8 streams 1-2
667/1/47557/010	Remote Monitoring + MOVA 8 streams 1-4
667/1/47557/011	Remote Monitoring + MOVA 8 Upgrade streams 1-2
667/1/47557/012	Remote Monitoring + MOVA 8 Upgrade streams 1-4
667/1/47557/001	UTMC OTU + MOVA 7 Upgrade streams 1-2
667/1/47557/002	UTMC OTU + MOVA 7 Upgrade streams 1-4
667/1/47557/007	UTMC OTU + MOVA 8 Upgrade streams 1-2
667/1/47557/008	UTMC OTU + MOVA 8 Upgrade streams 1-4
667/1/47587/000	MOVA 7 Upgrade streams 1-2
667/1/47588/000	MOVA 7 Upgrade streams 3-4

Related Documents

- **667/SU/46000/000** ST950 Compatibility Handbook revision 24 (or later) for a list of all the changes in this firmware release
- **667/HQ/46000/009** ST950/Stratos Outstation Firmware Upgrade Quick Start Guide Issue2 (or later) for instructions on how to upgrade firmware