GE
Grid Solutions

Multilin 650 Family

Enervista 650 Setup software v8.12 Release Note

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Summary

GE Grid Solutions issues the Multilin 650 Family Enervista 650 Setup software 8.12.

The 8.12 software version release for the 650 platform introduces software improvements affecting C650 and F650 devices.

Highlights of this release include:

Enervista 650 Setup software 8.12

- Export of 650 CIDs added
- GOOSE reception automapping added
- Optimization of the 650 configuration file
- Fixes in the IEC 61850 configurator
- Enhancements to the relay file upload process
- Fix to HMI tab configuration

This document contains the release note for Enervista 650 Setup software 8.12 for the Multilin 650 Family of products.

- Affected products: C650 & F650
- Enervista 650 Setup Release Date: May 23th, 2019

New Enervista 650 Setup software can be downloaded from the links below, based on device type:

> **F650:**
>
> https://www.gegridsolutions.com/app/ViewFiles.aspx?prod=f650&type=7
>
> **C650:**
>
> https://www.gegridsolutions.com/app/ViewFiles.aspx?prod=c650&type=7

Release details

In the change descriptions below, a revision category letter is placed to the left of the description. Refer to the Appendix at the end of this document for additional details.

Enervista 650 Setup software 8.12 Release Details

N   **Export of 650 CIDs added**

- 650 CID files can now be exported from SCD files using the Enervista 650 Setup software.

N   **GOOSE reception automapping added**

- GOOSE reception automapping is now performed by Enervista 650 Setup software (8.12 or above) when GOOSE reception has been configured using an external SCT tool. This automapping functionality only works when the CID has been exported using Enervista 650 Setup software from SCDs coming from SCT tools that expect information in the intAddr field according the default template for 650 Edition 2 CIDs (version 7.71 or above) provided with Enervista 650 Setup software 8.12 or above.

E   **Optimization of the 650 configuration file**

- The 650 configuration file has been optimized to reduce the size of the information related to the PLC.

E   **Fixes in the IEC 61850 configurator**

- Logic configurator windows are now blocked while compiling
- Both *.cid and *.CID files are now accepted by the file conversion process
- Error message clarity has been improved

E   **Enhancements to the relay file upload process**

- A progress bar has been added to indicate the state of the configuration file update process. If the communication cable is removed during an update, a retry message is shown.
- Configuration file processes have been enhanced to show clear messages on how to proceed.

E   **Fix to HMI tab configuration**

- HMI tab configuration security has been improved. Previously, modifying settings on one tab could change a setting on another tab under exceptional circumstances.

Upgrade path

Software Compatibility

Enervista 650 Setup software can convert settings files from an older Firmware version to the latest Firmware version 7.71. It also provides a tool to compare settings files from different versions, generating a Difference Report. This Difference Report identifies new settings and additional information to assist the user during the upgrade process.

The minimum operative system requirements for the EnerVista 650 Setup software are as follows:

- Windows® XP with Service Pack 2 (Service Pack 3 recommended)
- Windows 7
- Windows 8
- Windows 10

Appendix

Change categories

This document uses the following categories to classify the changes.

Table 1:   Revision categories

Code	Category	Comments
N	New feature	A separate feature added to the relay. Changes to existing features even if they significantly expand the functionality are not in this category
G	Change	A neutral change that does not bring any new value and is not correcting any known problem
E	Enhancement	Modification of an existing feature bringing extra value to the application
D	Changed, incomplete or false faceplate indications	Changes to, or problems with text messages, LEDs and user pushbuttons
R	Changed, incomplete or false relay records	Changes to, or problems with relay records (oscillography, demand, fault reports, etc.)
C	Protocols and communications	Changes to, or problems with protocols or communication features
M	Metering	Metering out of specification or other metering problems
P	Protection out of specification	Protection operates correctly but does not meet published specifications (example: delayed trip)
U	Unavailability of protection	Protection not available in a self-demonstrating way so that corrective actions could be taken immediately
H	Hidden failure to trip	Protection may not operate when it should
F	False trip	Protection may operate when it should not
B	Unexpected restart	Relay restarts unexpectedly

The revision category letter is placed to the left of the change description.

For further assistance

For product support, contact the information and call center as follows:

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