

Application Note REV:201909

Installation of Package „Gevisoft“ for IPLOG

Description

This document describes installation and the basic configuration of the Gevisoft package.

Installation

The conditions for installing and using the package are: FW Version 12.0.9842 and later, Metel IEC 61131-3 version 3.2.14.266 and later, getas interface enabled on the server.

You need to have the IPLOG connected to the Internet to install the package.

1) Run the putty and log in to the IPLOG unit as root user. Type command „opkg update“.

```
root@iplog:~# opkg update
Downloading http://www.iplog.eu/opkg/base/Packages.gz.
Updated source 'base'.
Downloading http://www.iplog.eu/opkg/firmware/Packages.gz.
Updated source 'firmware'.
root@iplog:~#
```

📖 You can use the „opkg list“ command to display a list of all available packages.

2) Write command „opkg install metel-gevisoft“, to install and run the package gevisoft for Geutebrück.

3) Create a program in Metel IEC 61131-3 and upload it into the IPLOG unit.

Basic Description of Function Blocks for Geutebrück in Metel IEC 61313-3

iplog_gama:gevisoft (Library)

Communication

GEVISOFT_COMM (FB)

Communication with GeViSoft server, must be called periodically.

Reading

GEVISOFT_READ (FB)

Checks incoming data for given command.

GEVISOFT_R_CUSTOM_ACTION (FB)

Returns values of last received custom action.

GEVISOFT_R_EVENT_STARTED (FB)

Check if event with given name was started.

GEVISOFT_R_EVENT_STOPPED (FB)

Check if event with given name was stopped.

GEVISOFT_R_GSC_TEMPERATURE (FB)

Returns temperature of module with given id.

GEVISOFT_R_INPUT (FB)

Reads value of given input.

GEVISOFT_R_OUTPUT (FB)

Reads value of given output.

GEVISOFT_R_SYSTEM_ERROR (FB)

Returns information about last received system error.

GEVISOFT_R_VIDEO_SYNC (FB)

Reads sync status of given video input.

Writing

GEVISOFT_WRITE (FB)

Writes given command.

GEVISOFT_W_CUSTOM_ACTION (FB)

Invokes custom action with given values.

GEVISOFT_W_EVENT_START (FB)

Starts given event.

GEVISOFT_W_EVENT_STOP (FB)

Stops given event.

GEVISOFT_W_INPUT (FB)

Writes value to given input.

GEVISOFT_W_OUTPUT (FB)

Writes value to given output.

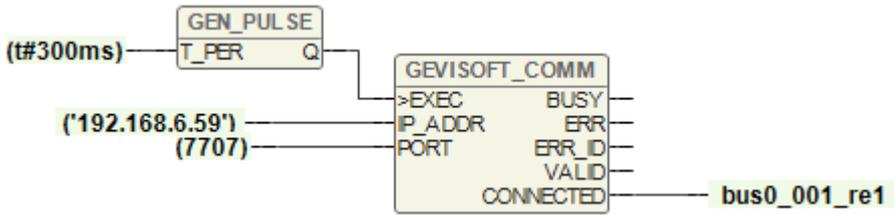
📖 All GeViSoft library reading blocks works with data received by GEVISOFT_COMM function block. Each received command is stored in internal cache for one program cycle. During this program cycle an unlimited count of reading blocks can be conducted.

📖 A detailed description of each block can be found at wiki.iplog.eu.

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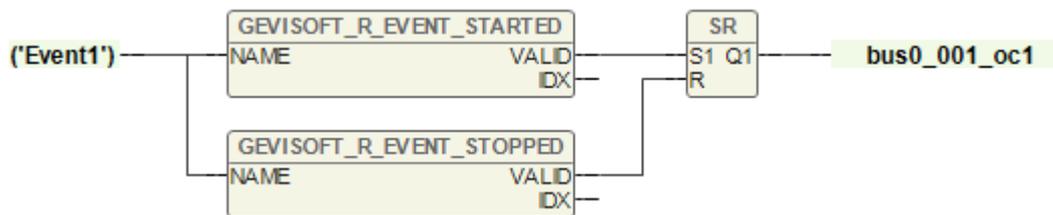
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Example of Block GEVISOFT_COMM Usage



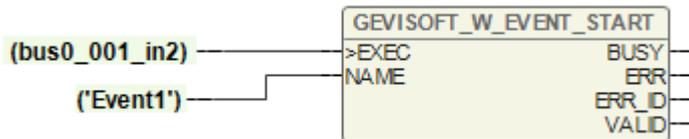
If communication with the gevisoft server is established, relay nr. 1 is active.

Example of Block GEVISOFT_R_EVENT_STARTED and STOPPED Usage



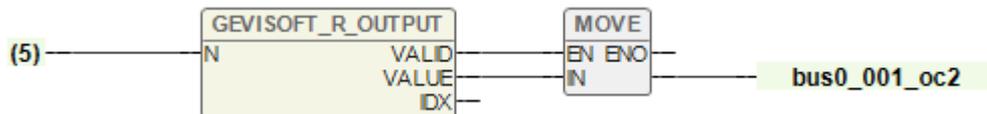
When an action called 'Event1' is activated, the OC1 output is activated. The output is deactivated when an action called 'Event1' is end.

Example of Block GEVISOFT_W_EVENT_START Usage



When IN2 is activated, the action named "Event1" is automatically started.

Example of Block GEVISOFT_R_OUTPUT Usage



Copy value of output no.5 to output OC2 of IPLOG unit.