

Information regarding Release

OWL LTE M12 User Module GPS Version 1.6.4

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Hirschmann Automation and Control GmbH
Stuttgarter Straße 45-51
72654 Neckartenzlingen
Germany

Internet: <http://www.beldensolutions.com>

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1. Preface

This area contains the current OWL LTE M12 GPS User Module Software version and information about your OWL LTE M12 device.

The OWL LTE M12 GPS User Module 1.6.4 is released for OWL LTE M12 SW version 01.2.04.

2. Supported Device

You need the following files for this device:

| File | Device | Comment |
|------------|-------------|-----------|
| gps.v3.tgz | OWL LTE M12 | GPS 1.6.4 |

3. Change Log

v1.0.1 (2012-08-23)

* First release

v1.0.2 (2012-09-13)

* Added support for internal GPS of Cinterion PHS8 module

v1.0.3 (2012-09-25)

* Fixed NMEA USB port recovery

v1.0.4 (2013-01-09)

* Added firmware revision check for MC8705 module

* Added possibility to manually switch antenna input for MC7710 module

v1.0.5 (2013-01-16)

* Suppressed log message about GPSSEL failure for MC8705 module

v1.0.6 (2013-02-13)

* New item text format at Status->Location

v1.0.7 (2013-07-11)

* Added NMEA messages forwarding over TCP/UDP

* Extended internal SNMP server MIB tree by GPS data (FW 3.0.7 or newer only)

* Added system time synchronization by GPS date and time

* Removed active/passive antenna selection (not needed more)

v1.0.8 (2013-11-18)

* Fixed module quit when GSM firmware revision can't be read

v1.0.9 (2014-01-13)

* Added GPS restart if location is not read within predefined time period

v1.1.0 (2014-05-29)

* Added support for UCR11 v2 (BIVIAS)

v1.1.1 (2014-09-18)

* Added support for MC7304 module (without antenna switching possibility, because only GPS antenna input is working in current firmware)

* Added support for PLS8 module

v1.1.2 (2014-10-15)

* Added support for HCR-v2 board (BIVIAS)

v1.1.3 (2015-01-13)

* Fixed locking for Sierra modules

v1.1.4 (2015-01-21)

* Fixed open/close for Gobi 3000 modules

v1.1.5 (2015-03-04)

* Fixed SNMP failiting when reporting by TRAPs is disabled

v1.1.6 (2015-03-26)

* Added support for MC7700 and MC7750 modules (always use GPS antenna input only)

* Fixed antenna selection for HCR-v2 board (BIVIAS)

v1.1.7 (2015-06-05)

* Fixed problem with disconnecting/connecting ttyUSB0 device

v1.1.8 (2015-09-11)

* Disabled SNMP TRAPs for router OWL LTE

v1.1.9 (2015-12-01)

* Fixed duplicate "Power/Antenna" configuration for PLS8 module

v1.1.10 (2016-03-21)

* Added GPSD daemon (<http://www.catb.org/gpsd/>)

v1.2.0 (2016-07-19)

* Added support of Telit SL869-DR

* Added Hirschmann SNMP OID

* Fixed registration to SNMPD

v1.3.0 (2016-08-31)

* Added antenna power configuration on Telit SL869-3DR

v1.3.1 (2016-09-16)

* Fixed cooperation between Telit SL869-3DR and GPSD daemon

v1.3.2 (2016-10-02)

* Fixed NMEA buffer overflow

* Tightened condition for time synchronization

v1.3.3 (2017-01-24)

* Added building two versions, one with DR nmea records dropping

v1.3.4 (2017-03-28)

* Fixed autodetection of Telit GPS speed

v1.4.0 (2017-04-05)

* Added support of Quectel EC25

* Added identification of module by VID/PID

v1.5.0 (2017-05-25)

* Added pseudoterminal as new destination for raw NMEA output

v1.5.1 (2017-08-21)

* Fixed segmentation fault during service stop

v1.5.2 (2018-03-23)

* Enabled broadcast on UDP socket

v1.5.3 (2018-06-11)

* Enabled output of GLONASS NMEA sentences at EC25 module

v1.5.4 (2018-07-26)

* Reworked detection of router platform

v1.5.5 (2018-07-30)

* Fixed enabling of GLONASS NMEA sentences at EC25-AU module

* Fixed too aggressive access to GPS module

v1.6.0 (2018-09-05)

* Added support of Quectel BG96 modules

v1.6.1 (2018-09-27)

* Added expected ranges of values to JavaScript error messages

v1.6.2 (2019-01-02)

* Added licenses information

v1.6.3 (2019-03-11)

* Fixed detection of Telit SL869-DR

v1.6.4 (2019-03-27)

* Added support of PLS8-E version 4

4. Hirschmann Software Conditions

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"Customer"

A Customer for the purposes of this contract is a natural person who or a legal entity which agrees to these Hirschmann Software Conditions as stipulated above.

"Embedded Software"

Shall have the meaning ascribed to it above.

"Client-server Application"

A distributed application structure that partitions tasks or workloads between a service, called servers, and service requesters, called clients.

"Software"

Shall have the meaning ascribed to it above.

"Third party"

A third party for the purposes of this contract is a natural person who or a legal entity which receives Software deliveries from the Customer and not from Hirschmann. Apart from required acknowledgement of the third party to these Hirschmann Software Conditions, in the event of a transfer of the Software to a third party, agreement on the contract terms with the third party shall be incumbent upon the Customer, on its own responsibility.

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Pursuant to this contract, the Customer receives without time limit the right of use of the Software delivered to it on the hardware specified therefor, as well as the use of necessary literature and documentation. To the extent Embedded Software is concerned, the right of use granted under these Software Conditions is limited to use of the Hirschmann product, system or device specifically envisaged for this. The right of use is not exclusive and - insofar as nothing to the contrary arises from these Software Conditions - is not transferable.

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The selection of the Software and consultation regarding the applications intended by the Customer, and also instruction, training and other technical support of the Customer, are not a subject of this contract. They may be the subject of a separate contract. Without such agreement, only the Customer assumes the risk associated with the selection of programs and their suitability for the applications intended.

Hirschmann is liable in such an event only within the scope of sub-paragraph 10 of these Software Conditions.

3. Extent of Performance and Function

The extent of performance and function of the delivered programs is determined by the product descriptions valid at the time the contract is entered into.

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Insofar as the Software is labelled or designated as an update, in order to use this, it is necessary to obtain a license for a product which is defined by Hirschmann as suitable for the update (hereinafter referred to as a "suitable product"). A Software product which is labelled as an update replaces and/or augments the starting product. The Customer may use the resulting updated product only in compliance with the provisions of these Software Conditions. Insofar as the Software is an update of a component of a software program package which the Customer has licensed as a unified product, the Software may be used only as part of that unified product package and may not be separated for use on more than one computer.

If the Software is a client-server application the client can be used on different hardware.

5. License Fees

Fees for the right of use of the delivered Software shall be agreed upon as a one-time license fee, plus the corresponding value-added tax as required by law. In the absence of a specific agreement to the contrary, the license fees for the Software provided are included as a once-off license fee in the purchase price of the products, systems or devices equipped with the Software.

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8. Obligation to Inspect and Report Defects

The Customer is obliged to examine the delivered Software, including documentation, within 8 working days after delivery, especially with regard to data carriers and manuals, as well as to the operability of the basic program functions.

Defects which are thereby ascertained or ascertainable must be reported to Hirschmann without undue delay. The notification of defects must contain a best-efforts description in detail of the defects. Defects which are not ascertainable within the framework of the described and orderly examination must be reported within 8 working days after their discovery in compliance with the described defect requirements. Upon failure to fulfil the obligation to examine and inspect, the Software is considered as accepted with due regard for concerned defects.

9. Warranty

The Customer is aware that, in accordance with the state-of-the-art technology, it is not possible to produce a computer program which is completely free of errors. Hirschmann warrants that the programs delivered as Software will fulfil the functional and performance features which are contained in the valid product descriptions at the time of entry into the contract, or which are separately agreed to. Excepted from this are defects which represent only non-essential deviations from the respective valid product description. Hirschmann assumes no responsibility that the Software will run without interruption or error, that all Software errors can be eliminated by Hirschmann, and that the functions contained in the Software may be executed in all of the combinations selected by the Customer or that they correspond to its requirements. Hirschmann assumes the obligation to rectify Software errors which impair use in compliance with the contract and which are not of an immaterial nature, specifically at Hirschmann's selection and, depending on the significance of the error, by the delivery of improved software or through information regarding the elimination or through circumvention of the effects of the error.

The precondition for the rectification of errors is that the effects of the errors be reproducible, that they be adequately described by the Customer, and that the error be reported to Hirschmann within the term stipulated in section 8.

The warranty is excluded to the extent that the error is due to the Customer or a third party making modifications of any kind to the Software or data carriers or treating them in an improper manner.

Hirschmann warrants that the data carrier is free from material or manufacturing defects. Hirschmann will replace any defective data carriers with data carriers which are free of defects.

The Customer has the right to demand a reduction of the user's fee upon an unsuccessful replacement shipment, or to rescind the contract without cost. In the event of rescission, the Customer will return to Hirschmann any data carrier with the Software and documentation pertaining thereto or will destroy any existing copies.

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Hirschmann is not liable for the replacement of data unless Hirschmann willfully or through gross negligence caused the data's destruction and the Customer has determined that that data can be reconstructed at reasonable cost from data material which is available in machine-readable form. The provisions set out in these Software Conditions concerning the exclusion of liability (section 10) shall apply only if the Customer is a businessperson (§ 14 of the BGB), a legal entity under public law or a public-law special fund.

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If the program delivered based on this contract is partially or wholly exchanged within the framework of the warranty performance, then the Customer is obligated to verifiably destroy the original of the program or to return it to Hirschmann.

13. Termination of the Contract

The Customer is able to terminate the contract at any time in whole or in part.

In the event of the termination of this contract, the Customer is obliged to return to Hirschmann or verifiably destroy the original as well as all copies and partial copies of the programs concerned and also modified copies of the pertinent programs associated with other software materials. This applies correspondingly for program documentation and other delivered literature. Retention of an archive copy for back-up reasons requires a separate, written agreement. The license fee paid - insofar as nothing to the contrary is agreed - will not be refunded.

14. Written Form

Supplementary agreements and modifications must be in written form. This applies also to a waiver of this written-form requirement.

15. Choice of Law, Legal Venue

The application of German law is hereby agreed. For any disputes which should arise as a result of the contractual relationship when the Customer is a fully-qualified merchant, a legal entity under public law or a special fund under public law, then the court at the place of Hirschmann's headquarters will have jurisdiction.

16. Partial Invalidity



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Hirschmann Automation and Control GmbH
Head of R&D
Stuttgarter Strasse 45-51
72654 Neckartenzlingen
Germany

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