

Product Update

ALL-IN-ONE.GAS

New Firmware – Release 1.5.0



New Software Releases ALL-IN-ONE.GAS controller firmware, GenConfig, IntelliMonitor, WinScope

Ideally Prepared for VDE-AR-N 4110 with MOTORTECH ALL-IN-ONE.GAS

New power generation systems connected to the low- or medium voltage grid need to comply with the national implementations of the European Grid Codes „Requirements for Generators“, which came into force in 2016.

MOTORTECH ALL-IN-ONE.GAS controller complies with european regulation „Requirements for Generators“ and monitors, controls and protects the generator set according to defined setpoints and dynamic ranges.

The new upcoming AIO.GAS firmware 1.5.0 is compliant to all existing european regulations particularly the new german technical requirements. The connection and operation of customer installations to the medium voltage network (regulation VDE-AR-N 4110) and low voltage network (regulation VDE-AR-N-4105) are now valid since April 27th 2019.

Ready for **VDE-AR-N 4105**,
VDE-AR-N 4110 and **G99***

Download

The new firmware including a detailed new features list can be downloaded at the following address:

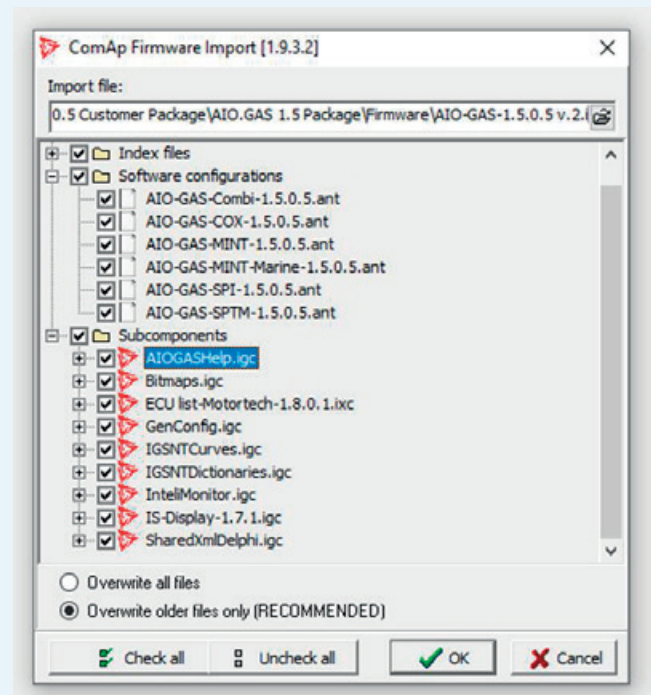
https://www.motortech.de/fileadmin/user_upload/data/ALL-IN-ONE.GAS-CD-Contents-1.5.0.5.zip

Please note that the above firmware file also includes the new MOTORTECH ECU list 1.8.0.

In order to install and use the firmware, the latest version of the *ComAp PC Suite* must be installed on your computer. The current *ComAp PC Suite* can be obtained via the website of the manufacturer *ComAp* in the download center at:

<https://www.comap-control.com/support/download-center>

After downloading the new ALL-IN-ONE.GAS firmware, execute the IGC file by double-clicking it and then follow the instructions.



* In combination with mains decoupling relay P/N 63.50.139 – Type tested (TT) compliance according ENA EREC G99

DISTRIBUTION

Customers / others	Yes
Representatives and Sales Partners	Yes
OEM partners	Yes
MOTORTECH subsidiaries	Yes

■ Product Update

Related ComAp Documents:

- “Gen-set controller for Gas Application, Release Notes“
- “Grid codes manual”
- “Global Guide”

New Functions and Modifications

- Support of grid codes VDE-AR-N 4110
 - Detailed description is in PDF files AIO-GAS 1.5.0 Global guide.pdf or in GridCodes guide AIO-GAS1.5.0.pdf
 - Main features of VDE-AR-N 4110
 - Accuracy of frequenc measurement – visualisation of fmains with 3decimals
 - Moving average values – ActPwr, ReactPwr, ApparPwr, Umains
 - Network safety management – power reduction through LBI
 - Mains frequency gradient (ROCOF)
 - New regulation modes of Q/PF
 - Modified function of reduction P to gain Q
 - Modified function of Dynamic support (LVRT, OVRT)
 - Modified function of Control of active power based on the over/underfrequency
 - New mains protection fm
 - Modified function of Q&U protection
 - Modified function for connection and synchronization to the mains
- Moving the DxLoad reduct parameters to *Engine protect setpoint group* (Firmware 1.3.0)
 - Setpoints were originaly in the *AFR control group* (Firmware 1.3.0)
 - Knocking del, Knocking Reduct, KnockProtType are now at the end of the *Engine Protect group* (Firmware 1.3.0)
- ServiceTimeSd has now extended range 0...199999;200000(OFF), (Firmware 1.3.0)
- Increased number of possible configurable user sensors from 16 to 32 curves
- Optimalization of processor load
- History system log optimization
- System log which was previously written every across over the limit value is now in default written only once a day
- Default credential handling
- Controller always issues warning alarm *Wrn DefCredentials*, if administrator password and/or access
- Code is set to “0”

Bugfixes

- LBO: MainsProtState was not activated with fast protection
- Derated value under *MinPowerPTM* causes overload of engine
 - Following setpoints are now interlocked with *MinPowerPTM* to prevent the setting under *MinPowerPTM*: Derating 1 pwr, Derating 2 pwr, PwrReduction1A

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New releases additional Software

GenConfig 3.11.1

New Functions and Modifications

- Support of the *European Grid codes functionality*
- New controllers support:
 - IntelliGen GSC (order code IG2GSCXXBAB)
 - IntelliGen GSC-C (order code IG2GSCCXBAB)
 - IntelySys GSC-C (order code IS2GSCCXBAB)
 - Product security upgrade

Bugfixes

- Incorrect picture of AIO-GAS in Modules Tab
- Controller Help window not working in Modules Tab

InteliMonitor 3.13.0

New Functions and Modifications

- Support of European Grid codes compatible controllers

WinScope 2.11.0

New Functions and Modifications

- New controllers support:
 - IntelliGen 500, InteliMains 210

Bugfixes

- InteliMains 210/InteliGen 200 Setpoints not displayed correctly
- LogBouts not visible for IM210

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