MOTORTECH®

▌Product Update

ALL-IN-ONE.GAS

Product discontinuation and replacement with InteliSys Gas

MOTORTECH announces with immediate effect that the genset and CHP Control System AIO.GAS with the **P/N 63.50.096** is discontinued.

The replacement product will be the InteliSys Gas from Comap®, which offers all the functions of the ALL-IN-ONE.GAS with the correct firmware version. It is available under **P/N 63.50.099**. The physical size as well as the pin assignment of the InteliSys Gas remains identical to the ALL-IN-ONE.GAS.

Delivered state Firmware

- ■ The controller is delivered with firmware version 1.10.0.11.
- ■ This firmware contains the VDE module 1.2.
- ■ In addition to this firmware, the standard MOTORTECH archives SPI, SPTM, Combi and MINT are provided. These MOTORTECH archives offer the possibility to monitor the CAN bus communication to the MOTORTECH devices (ComLostProtection).

Programming compatibility

The programming archive of existing AIO.GAS controllers (P/N 63.50.096) in the field can be loaded directly into the new InteliSys Gas – if the correct firmware version is used. See table below.

Compatibility with ECU lists

Firmware 1.10.0.11 accepts MOTORTECH ECU list 1.4 and higher. We recommend MOTORTECH ECU list 1.8.

Firmware compatibility

If you have used one of the earlier firmware versions with AIO.GAS listed in the left column, you must use the new firmware listed in the table with the new hardware to be able to use the old program archive. A firmware update must be done manually. Please do not use the *Import Wizard* (see MOTORTECH application note on USB stick). After a firmware update, please check the settings, especially for "*Service timer*" and "*CB ctrl*".

✖ Old AIO.GAS firmware version/s P/N 63.50.096 (not compatible with new hardware)	✔ New firmware version/s P/N 63.50.099 (compatible with new hardware)	ECU list compatibility
1.1.0.3	1.1.1.2	1.1 – 1.4
1.2.0.7	1.2.1.1	1.1 – 1.6
1.5.0.5 / 1.5.0.6	1.5.2.2	1.4 – 1.8
1.5.1.5	1.5.3.1	
1.6.0.10	1.6.1.1	
1.7.0.12	1.7.1	

DISTRIBUTION

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

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Display compatibility

All ALL-IN-ONE Vision Displays are supported (IV5, IV8, IV12).

Compatibility of the grid code

- The product is providing the same certifications as before.
- Download link: Compatibility Statement (1 PDF file)

AFR dongle compatibility

The new hardware supports the existing AFR dongles:

- IGS-NT-AFR-PCM (63.50.061) and
- IGS-NT-AFR-LSM+PMC (63.50.062)

Compatibility expansion modules

All expansion modules supported by 63.50.096 are also supported by the new hardware 63.50.099 without restriction.

Software

Current versions of GenConfig, InteliMonitor and WinScope are available:

- GenConfig 3.14
- InteliMonitor 4.1.5.2
- WinScope 2.11.0.2

Firmware Download

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

https://www.motortech.biz/downloads/MOTORTECH-SoftwarePackage-InteliSys-Gas-FW-Motortech.zip

Please note that the firmware 1.10.0.11 does **NOT** contain the MOTORTECH ECU list 1.8.0. This is both included in the SoftwarePackage and also stored on the USB stick as part of the scope of delivery.

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Release Notes and New Features 1.10.0

- ◼ High limit of the setpoint *CrnkFail pause* was changed to 240 s
- ◼ Alarm type of the timer ServiceTimeSd was changed to *Slow Stop*
  - Setpoint *ServiceTimeSd* was renamed to *ServiceTimeStp*
  - Value *ServiceTimeSd* was renamed to *ServiceTimeStp*
  - Alarm *Sd ServiceTime* was renamed to *StpServiceTime*
  - History record *Sd ServiceTime* was renamed to *StpServiceTime*
- ◼ Setpoint *InstalPower* was renamed to *InstalledPower*
- ◼ Support of reading 32 bit values from TPEM Modbus ECU was added
- ◼ Support of dongles *IGS-NT-AFR-PCM* and *IGS-NT-AFR-LSM+PMS* was added
- ◼ New SW Dongle functionality was added
  - Alternative to standard HW dongles
  - New setpoint *SW Dongle*
  - New value *SW Dongles*
- ◼ New SW Key functionality was added
  - Unlocks additional and paid functions
  - New setpoint *SW Key*
  - New value *SW Keys*
- ◼ New values for CAN1 communication diagnostics
  - *CANBusOffCount*: Counter of Bus Off states
  - *CANErrCountRx*: Receive Error Counter
  - *CANErrCountTx*: Transmit Error Counter
- ◼ Support of more analog outputs for extension modules *Inteli IO8/8* and *Inteli IO16/0*
  - In previous versions, analog outputs were only available for module addresses 1, 2, 3, 4. In total, 8 outputs were supported (2 per each address).
  - Now analog outputs are also available for module addresses 5, 6, 7, 8. In total, 16 outputs are currently supported.
  - The extension modules must have version 1.3.0 or newer to support these additional outputs
- ◼ Resolution of these setpoints was changed to 0.1
  - Min power PtM
  - Derating1 pwr
  - Derating2 pwr
  - PwrReduction1A / PwrReduction2A / PwrReduction3A
  - PwrReduction1B / PwrReduction2B / PwrReduction3B
  - PwrReduction1C / PwrReduction2C / PwrReduction3C

For information on earlier releases please see the Release Notes in the CD Menu content on USB stick.

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