

## New features of IL sw V2.2

### ***Firmware and default archives***

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InteliLite – software pack of version 2.2 is based on previous 2.1 version.  
There are two IL firmware modifications: IL-2.2 (Latin characters) and IL-2.2-C (Chinese characters)  
IL-2.2 firmware is compatible with LiteEdit version 2.0.

<b>Standard</b>	<b>China</b>
MRS10-2.2.ail	MRS10-2.2-C.ail
MRS11-2.2.ail	MRS11-2.2-C.ail
MRS15-2.2.ail	MRS15-2.2-C.ail
MRS16-2.2.ail	MRS16-2.2-C.ail
AMF20-2.2.ail	AMF20-2.2-C.ail
AMF25-2.2.ail	AMF25-2.2-C.ail
IL-MRS10-2.2.ilf	IL-MRS10-2.2-C.ilf
IL-MRS11-2.2.ilf	IL-MRS11-2.2-C.ilf
IL-MRS15-2.2.ilf	IL-MRS15-2.2-C.ilf
IL-MRS16-2.2.ilf	IL-MRS16-2.2-C.ilf
IL-AMF20-2.2.ilf	IL-AMF20-2.2-C.ilf
IL-AMF25-2.2.ilf	IL-AMF25-2.2-C.ilf
IL-MRS10-2.2.mhx	IL-MRS10-2.2-C.mhx
IL-MRS11-2.2.mhx	IL-MRS11-2.2-C.mhx
IL-MRS15-2.2.mhx	IL-MRS15-2.2-C.mhx
IL-MRS16-2.2.mhx	IL-MRS16-2.2-C.mhx
IL-AMF20-2.2.mhx	IL-AMF20-2.2-C.mhx
IL-AMF25-2.2.mhx	IL-AMF25-2.2-C.mhx

### ***Available documentation***

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IL-MRS-2.2.pdf  
IL-AMF-2.2.pdf  
LiteEdit-2.0.pdf

### ***New features in IL-2.2***

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- Fixed bug – in IL versions 2.0 and 2.1 it was not possible to adjust correctly setpoints **Engine protect:AnlInp1-3 level1** and 2 when the analog input protection direction was changed, e.g. from Under to Over.

### ***New features in IL-2.1***

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InteliLite 2.1 has improved CAN communication to **Volvo** and **Scania** engines:

#### **General description**

- New setpoint for selection of the nominal speed of the engine:

#### **ECU FreqSelect [PRIMARY/SECONDARY/DEFAULT]**

This setpoint should be used only for Volvo and Scania engines.

## New features of IL sw V2.2

### **Volvo – “Volvo-MarineD12 Aux” is selected in ECU configuration:**

Primary or secondary engine speed is set by *Frequency select* bits in **VP Status** frame.

### **Scania – “Scania S6 Singlespeed” is selected in ECU configuration:**

Nominal engine speed is chosen by *Nominal speed switch 1* and *2* from **DLN1** frame when the engine is running on nominal speed, i.e. binary output *Idle/Nominal* is active. When the output is not active (engine is running on Idle speed), the setpoint *ECU FreqSelect* is not taken into account.

- New binary output added:

### **ECU CommError**

The output is an inversion of binary output *ECU CommOK*, i.e. the output is closed when ECU is not communicating and all values from ECU show #####. Communication error causes stop of the engine.

### **New Volvo features**

- From IL version 2.1 it is possible to start Volvo engine via CAN bus, not only using binary output.
- Repair – faulty evaluation of Overspeed alarm after reset of EMSII unit. Invalid J1939 values read from EMSII are not actualized.
- Added binary output

### **Stop Pulse**

Output is active for 1 second after *Stop solenoid* output activation. This signal is sent to ECU in case of engine stop request.

### **New Scania features**

- From IL version 2.1 it is possible to start Scania engine via CAN bus, not only using binary output.
- Repair – the controller is sending some necessary messages required by the ECU. This avoids activation of the „ECU Yellow lamp“ alarm due to apparently missing coordinator.