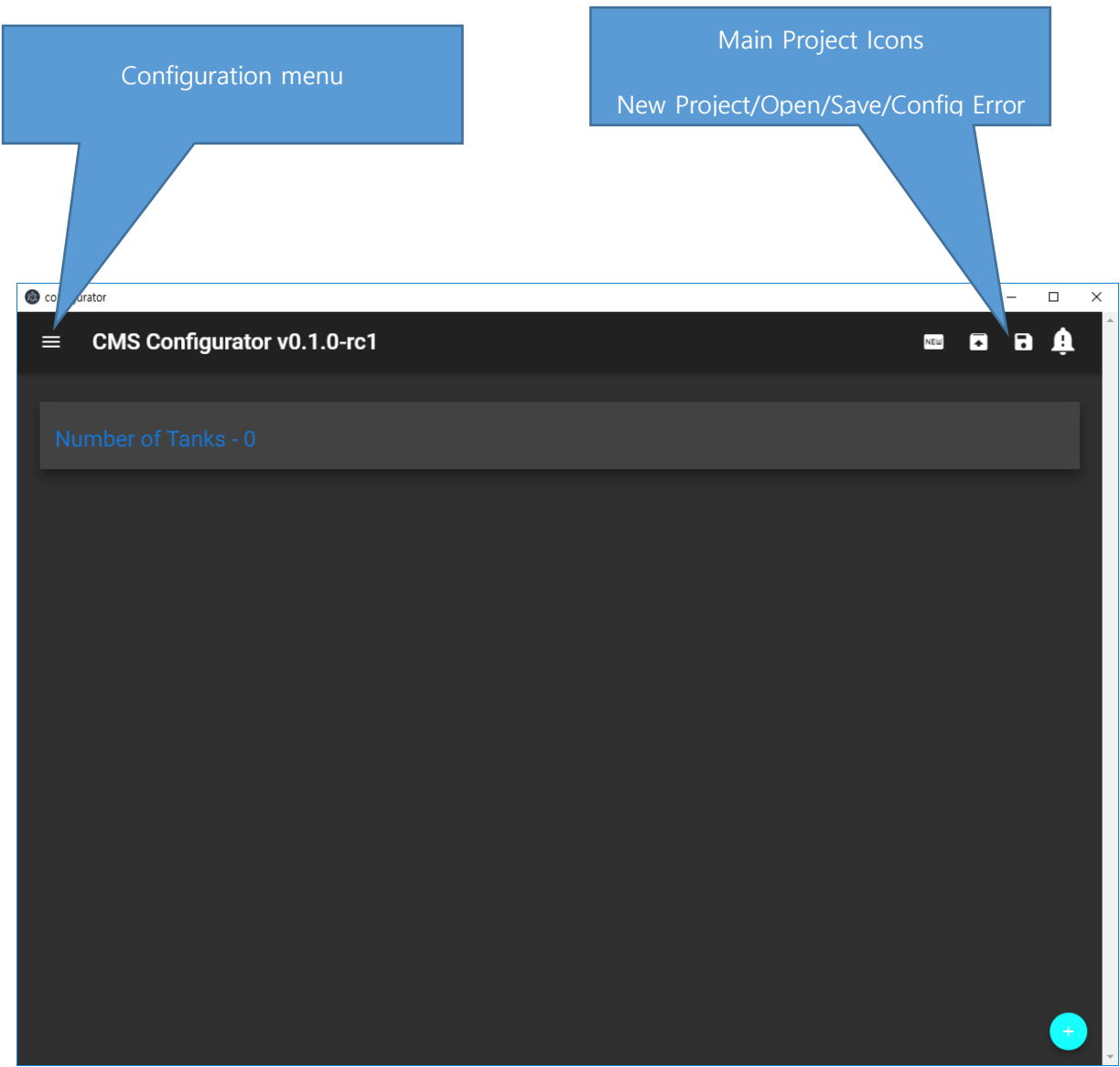


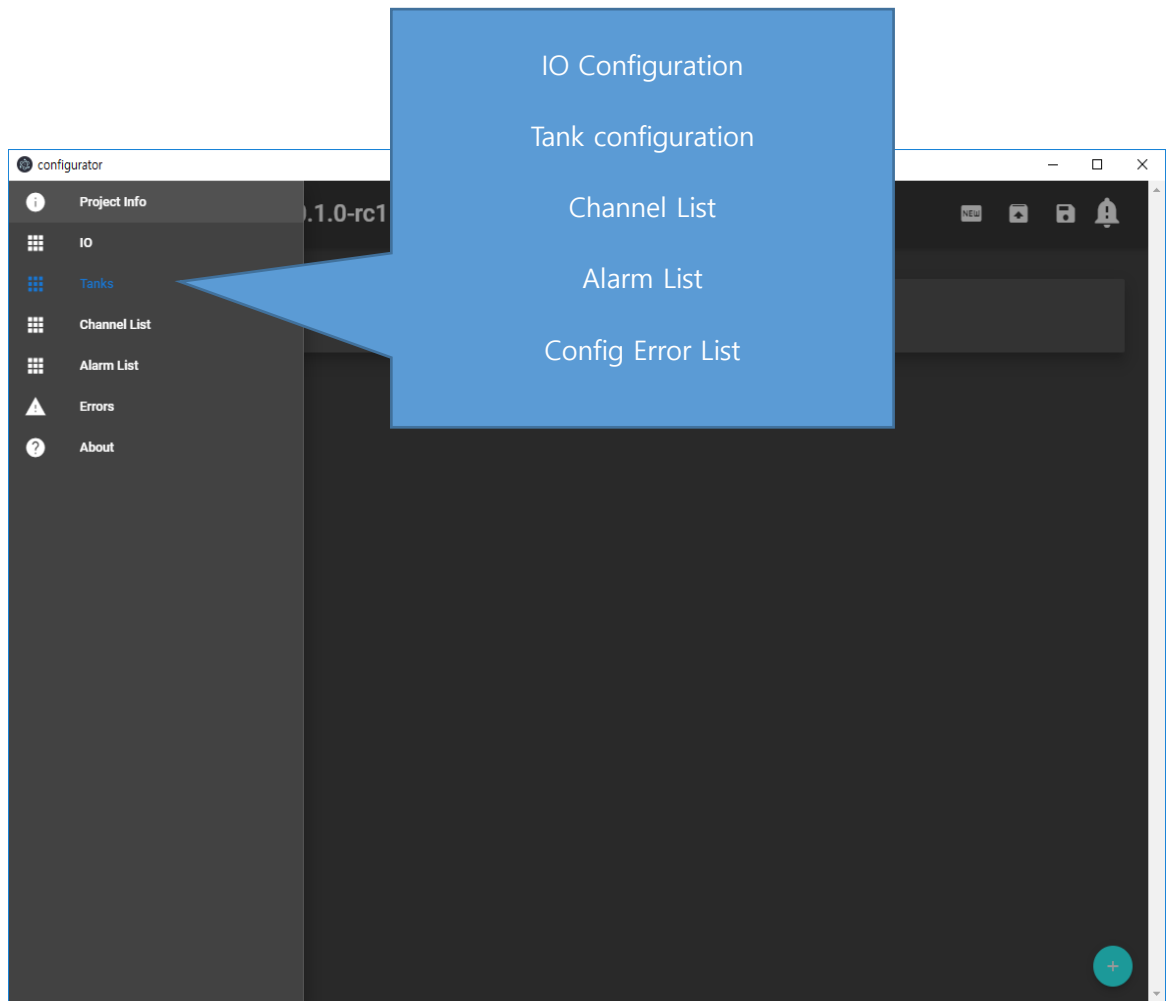
CMS Configurator User Manual

V0.1.0-rc1

1. User Interface General



2. Configuration Menu



3. IO Configuration

Serial Port Basic setup

configurator

CMS Configurator

Serial port1 - none

Device

/dev/ttyS0

Baud rate

9600

Parity

even

Stop Bit

1

Serial Protocol

none

Serial port2 - none

Device

/dev/ttyS1

Baud rate

9600

Parity

even

Stop Bit

1

Serial Protocol

none

Serial port3 - none

Device

/dev/ttyS2

Baud rate

9600

Parity

even

Stop Bit

1

Serial Protocol

none

Serial port4 - none

Device

/dev/ttyS3

Baud rate

9600

Parity

even

Stop Bit

1

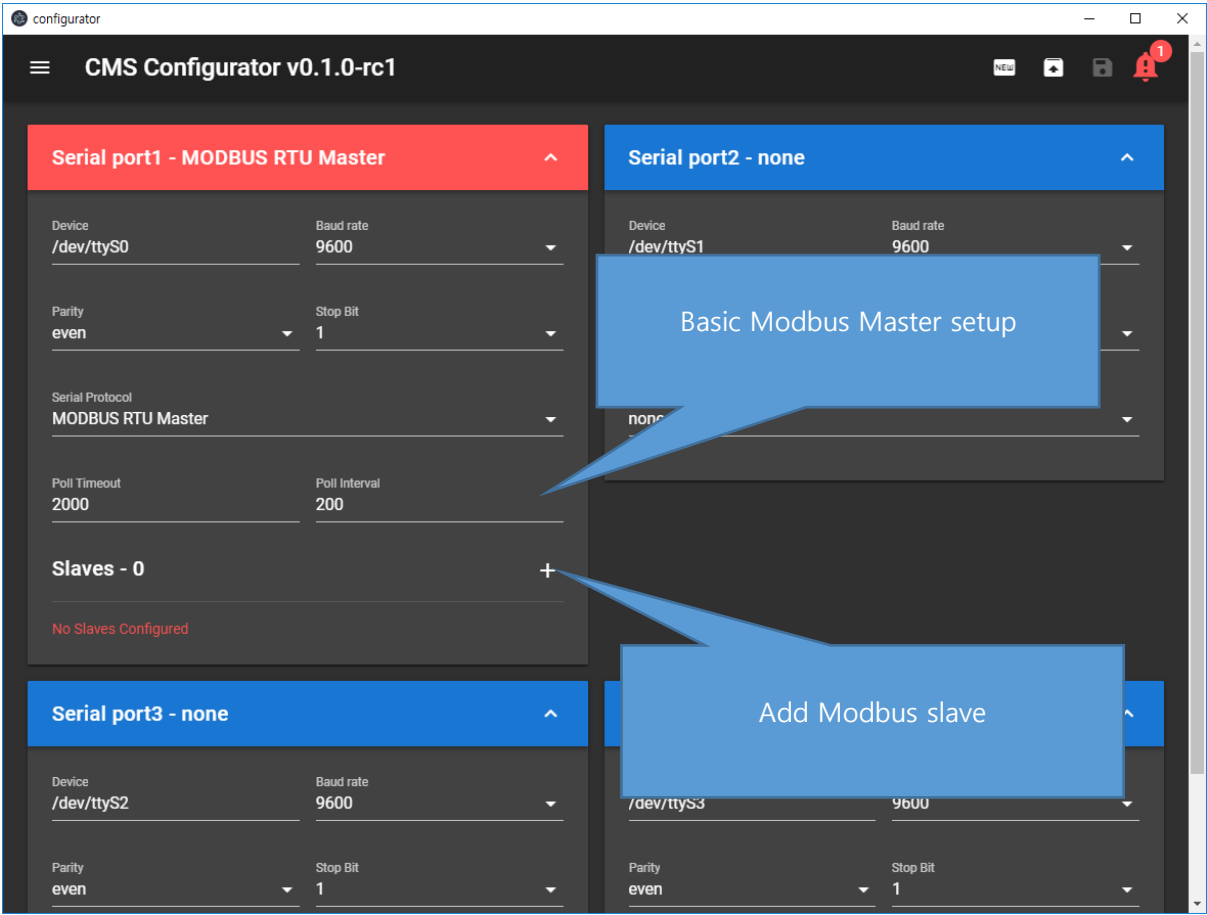
Serial Protocol

none

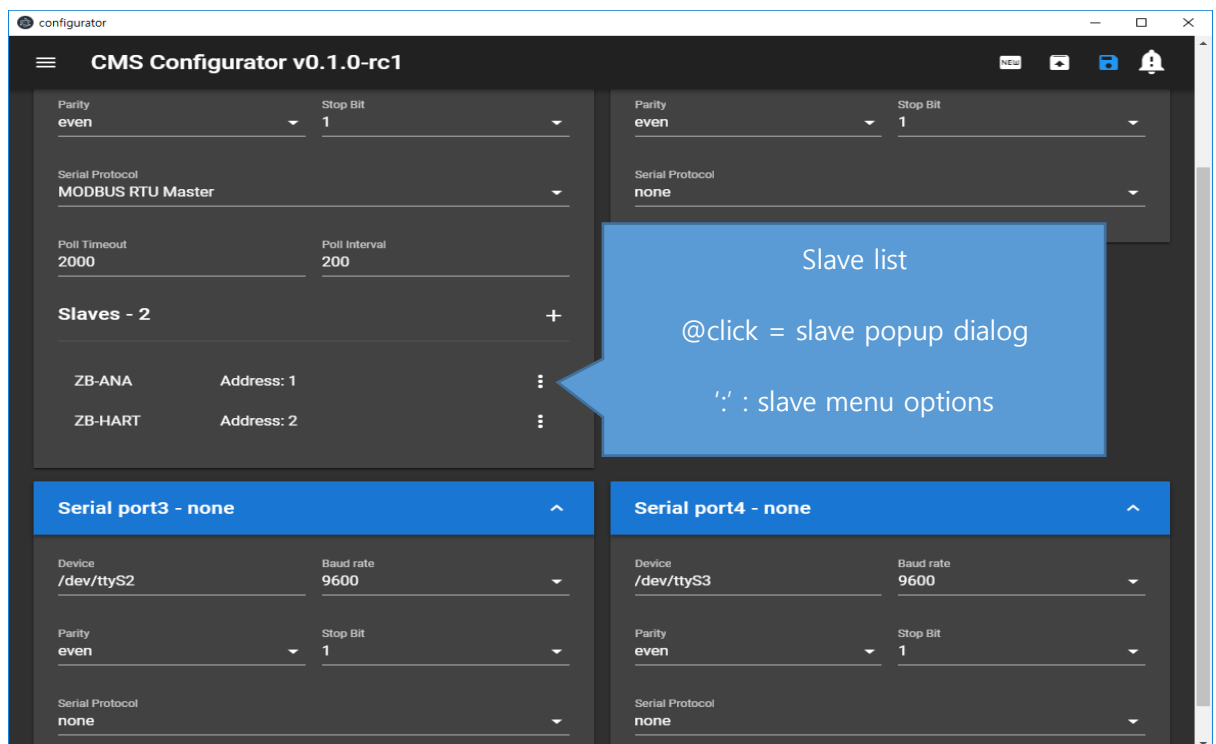
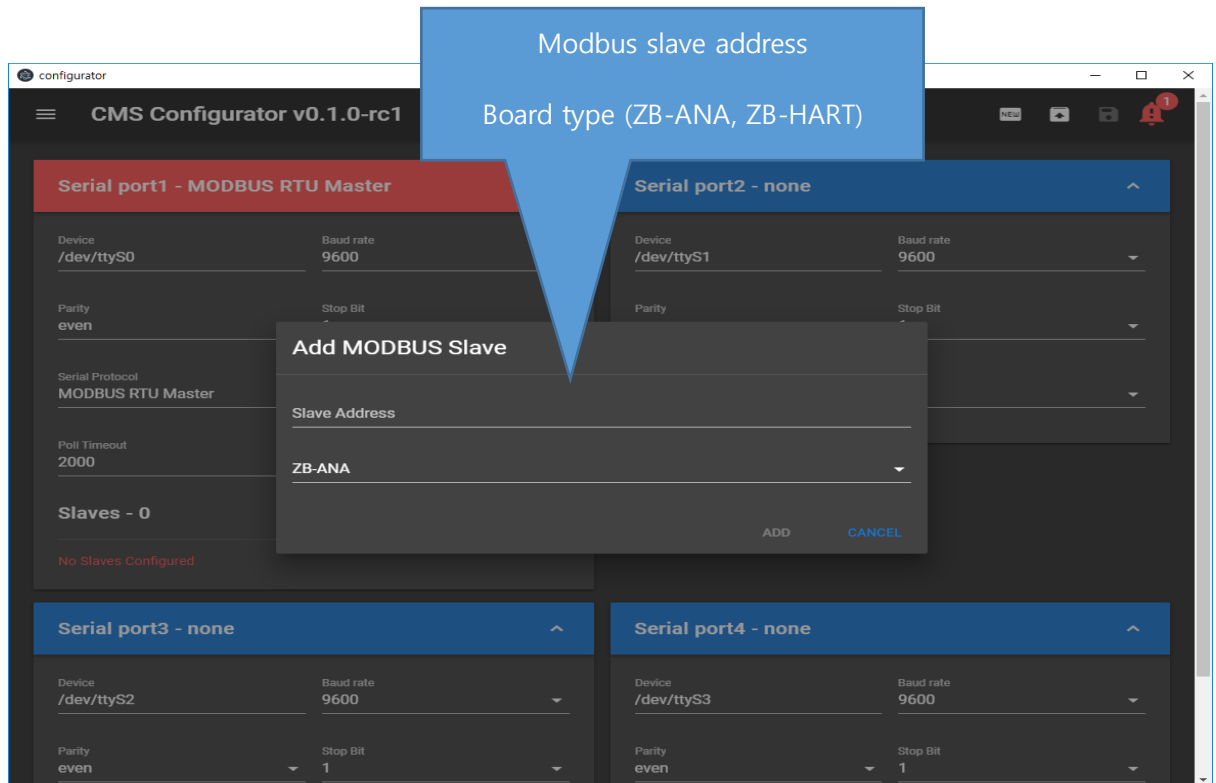
Serial Port Protocol Setup

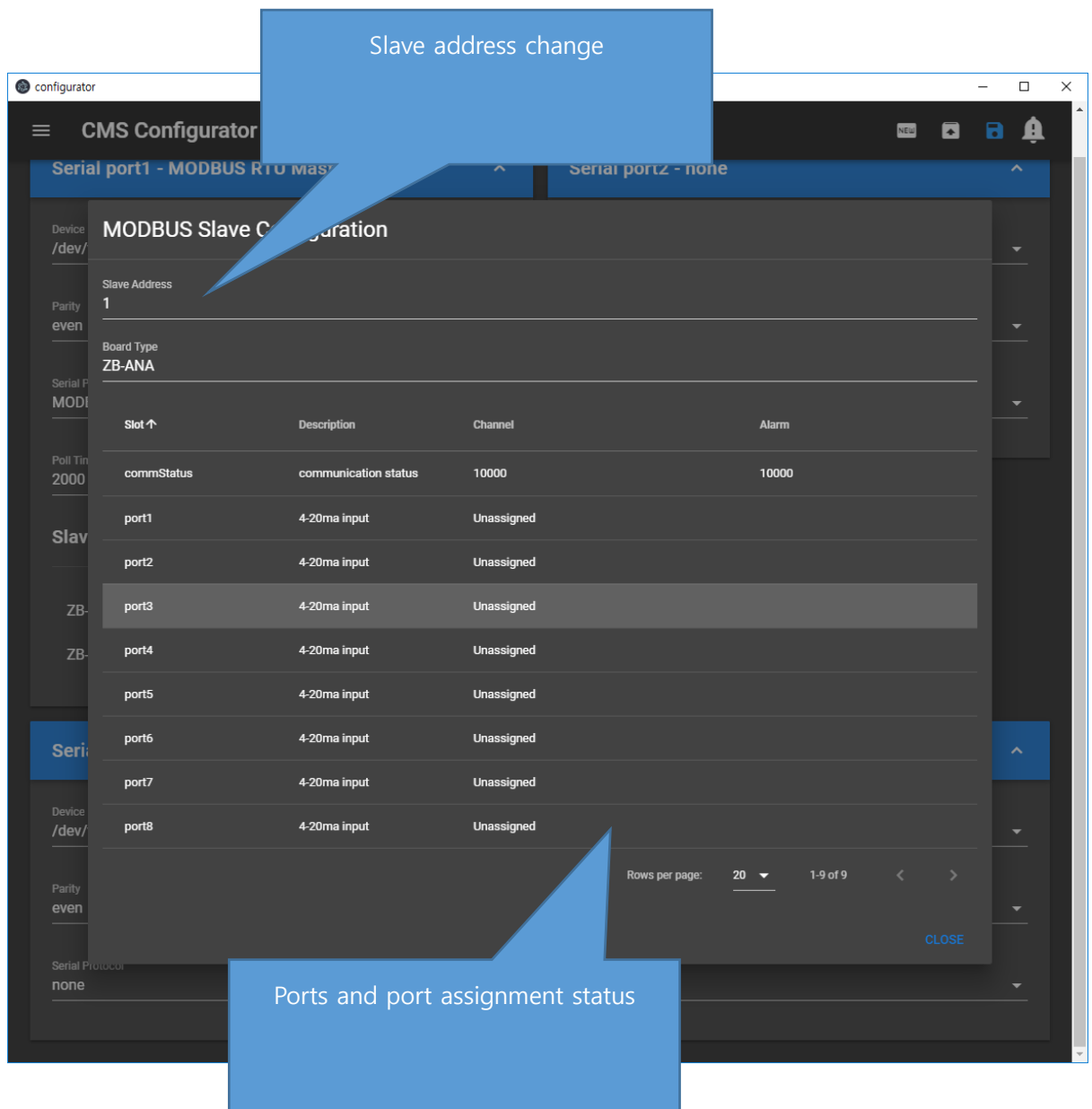
Currently only Modbus Master/Modbus Slave

4. IO Configuration Modbus Master

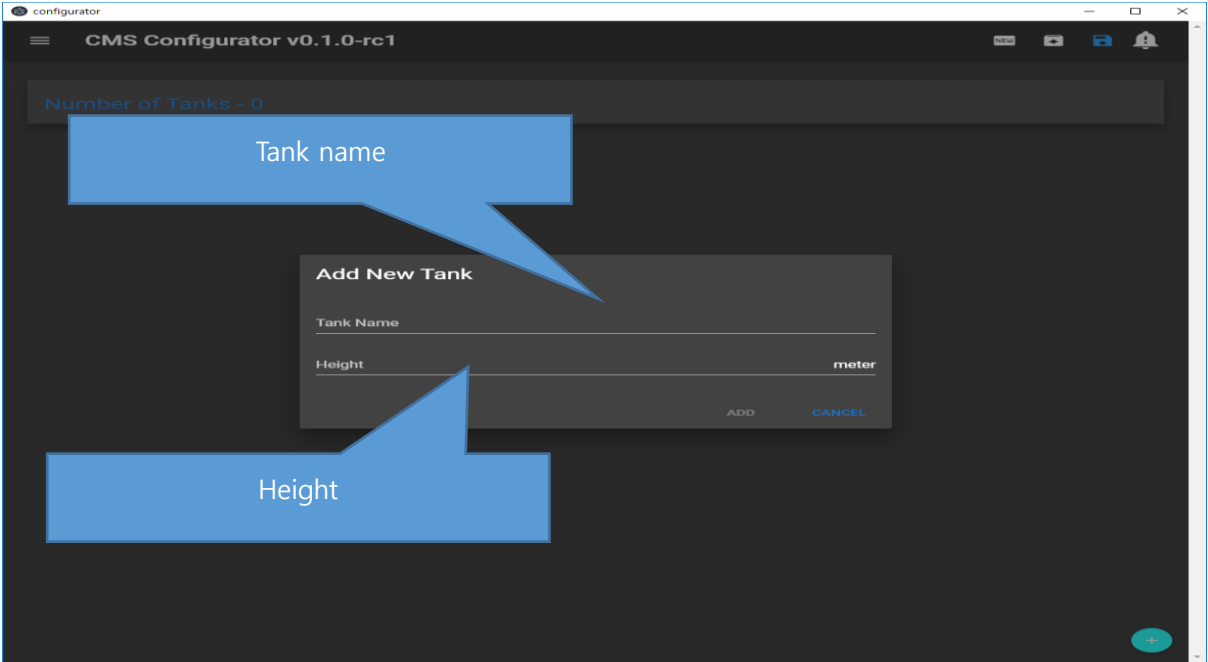
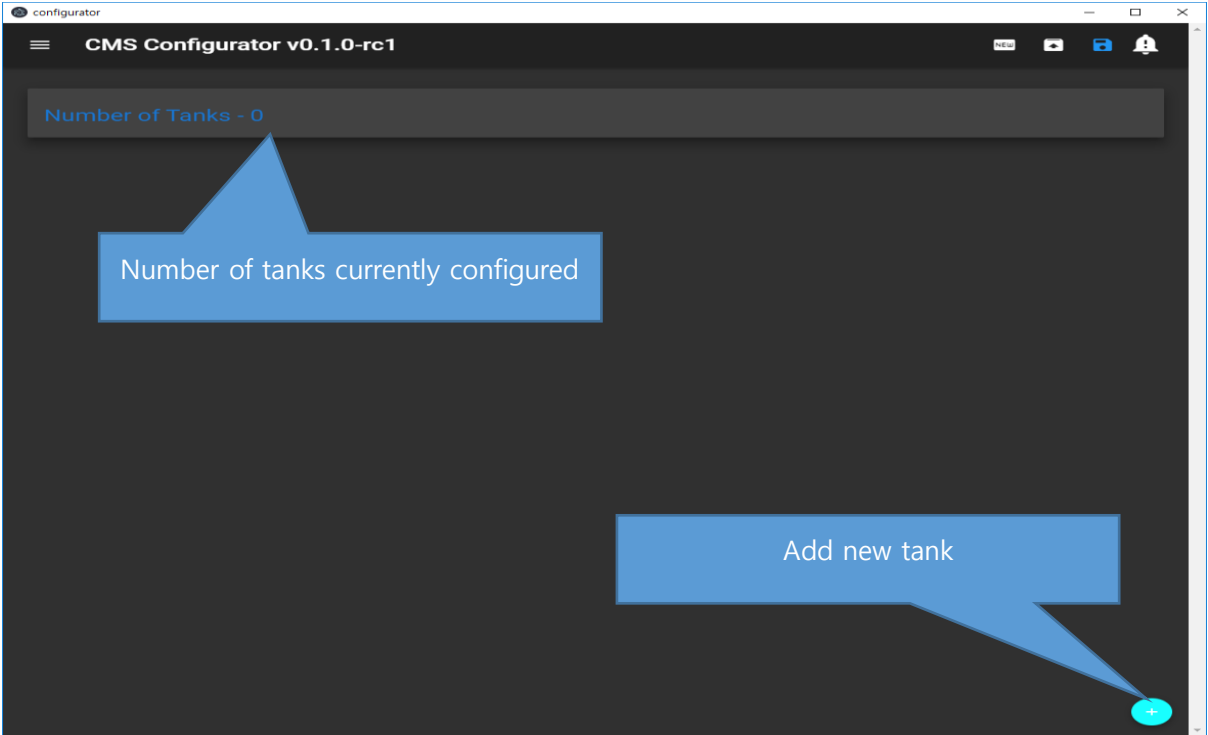


5. IO Configuration Modbus Master – Add Slave

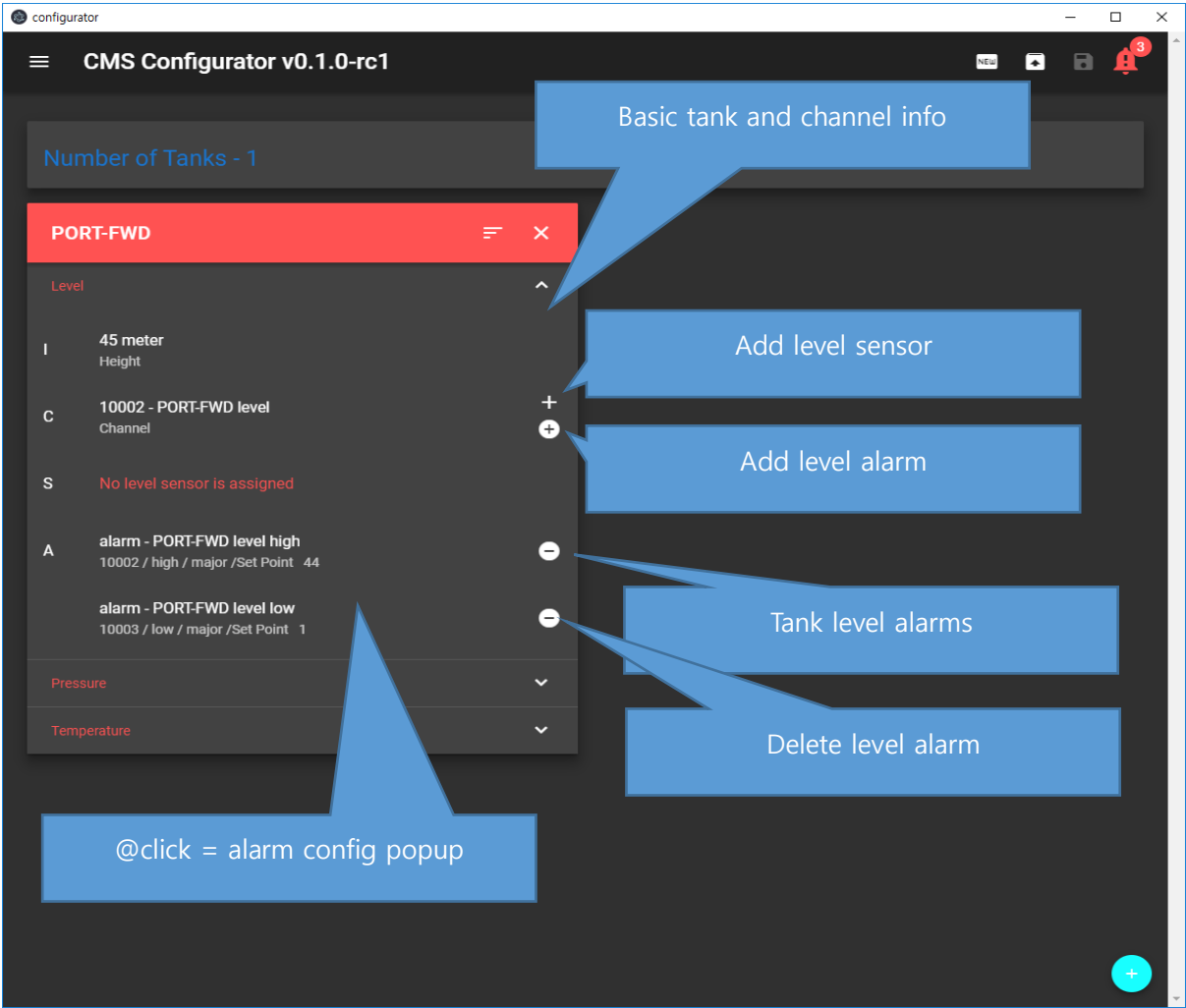




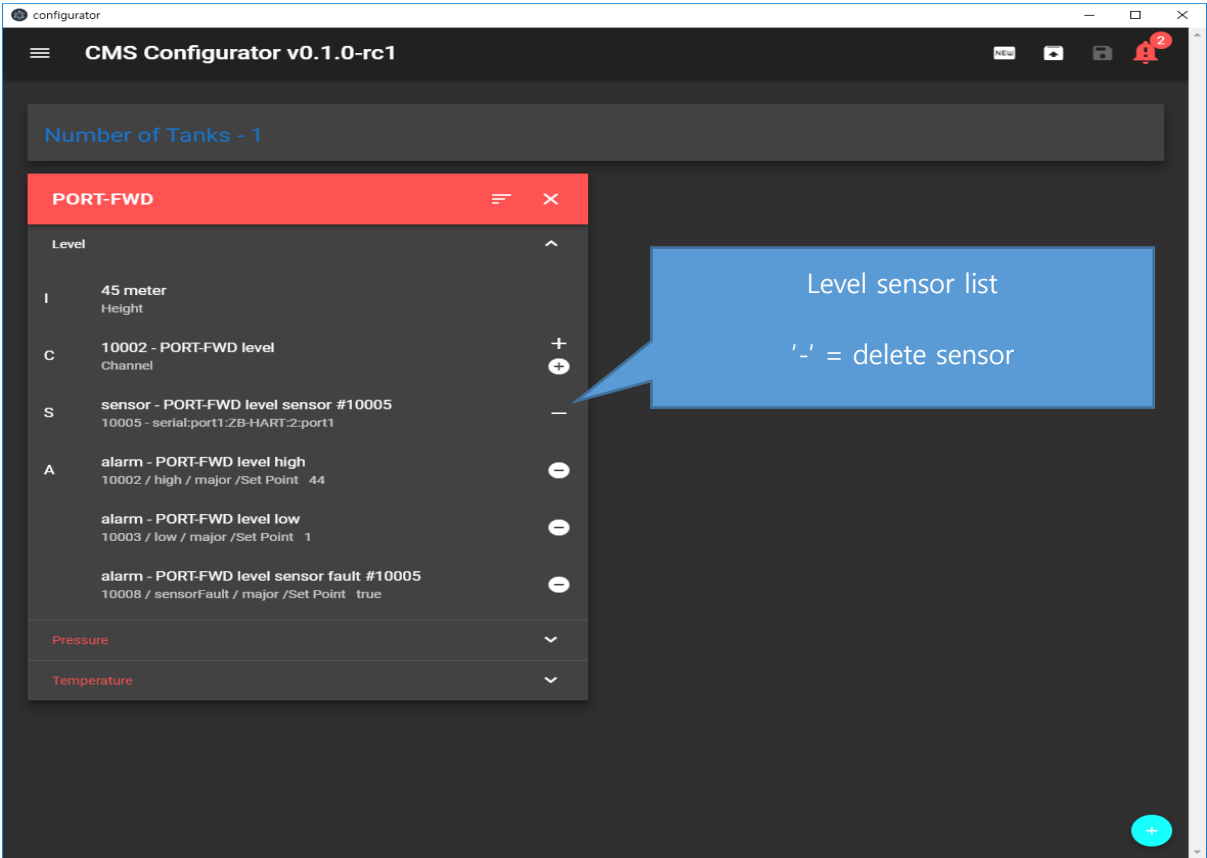
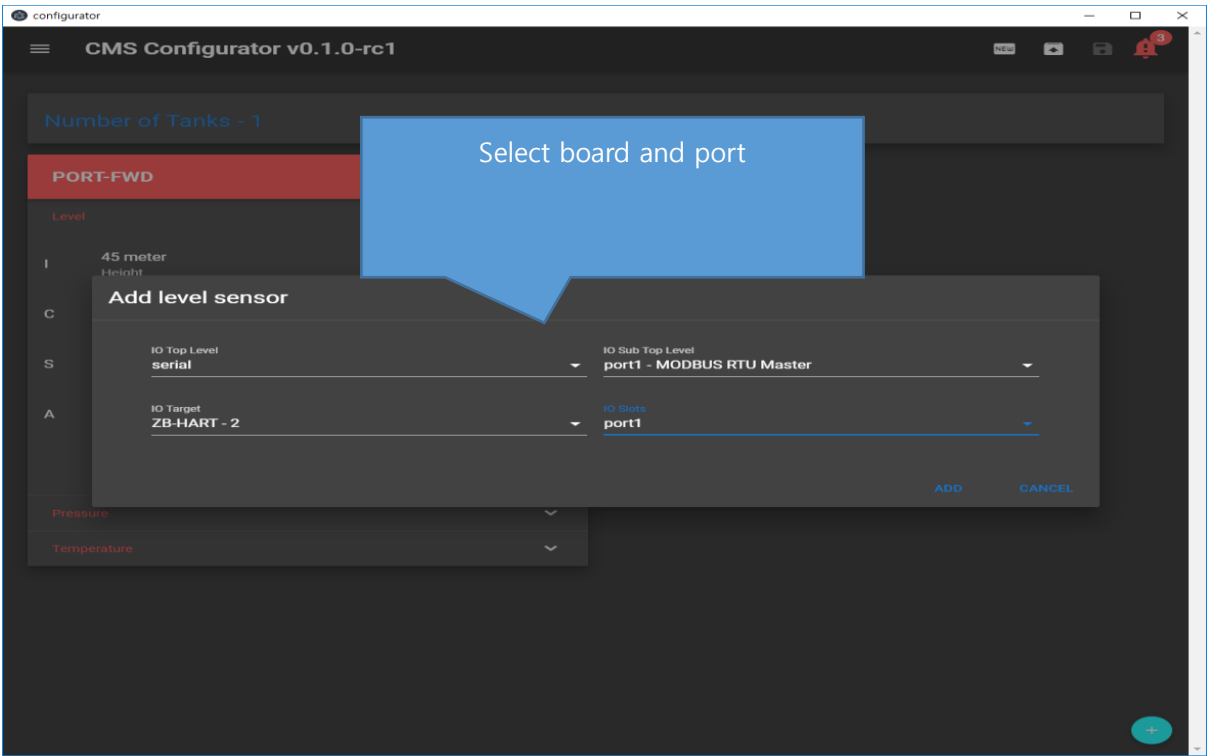
6. Tank configuration - main



7. Tank configuration – level



8. Tank configuration – add level sensor



9. Tank configuration –level alarm configuration

configurator

CMS Configurator v0.1.0-rc1

Number of Tanks - 1

PORT-FWD

Level

45 meter

sensor - PORT-FWD level

10005 - serial:port1:ZB-5

alarm - PORT-FWD level

10002 / high / major /Set P

alarm - PORT-FWD level

10003 / low / major /Set P

Pressure

Temperature

Alarm Number

10003

Alarm Name

PORT-FWD level low

Alarm Type

low

Alarm Severity

major

Alarm Setpoint

1

Alarm Delay

0

ms

Alarm Channel

10002

CLOSE

High or low

Alarm set point

Alarm name

Alarm severity

Alarm delay

10. Tank configuration – pressure

BASICALLY the UI mechanism is same as level configuration

11. Tank configuration – temperature

BASICALLY the UI mechanism is same as level configuration

Tank temperature decision mechanism (such as low, mid, high) will be determined later.

As of 0.1.0-rc1, this is just a template for future modification

12. Channel List

configurator

≡ CMS Configurator v0.1.0-rc1

NEW ↗ ⚙ 🔔

Channel List

WRITE TO PDF

Search

Q

Channel ↑	Type	Dir	Sensor	I/O	Name
10000	digital	in		serial:port1.ZB-ANA:1:commStatus	serial port1 slave ZB-ANA:1 communication status
10001	digital	in		serial:port1.ZB-HART:2:commStatus	serial port1 slave ZB-HART:2 communication status
10002	analog	virtual			PORT-FWD level
10003	analog	virtual			PORT-FWD pressure
10004	analog	virtual			PORT-FWD temperature
10005	analog	in	level	serial:port1.ZB-HART:2:port1	PORT-FWD level sensor #10005
10006	analog	in	pressure	serial:port1.ZB-ANA:1:port1	PORT-FWD pressure sensor #10006
10007	analog	in	temperature	serial:port1.ZB-ANA:1:port2	PORT-FWD temperature sensor #10007

Rows per page:

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13. Alarm List

configurator

≡ CMS Configurator v0.1.0-rc1

NEW ↗ 📁 🔔

Alarm List

WRITE TO PDF

Search

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Alarm Number ↑	Type	Severity	Set	Delay	Channel	Name
10000	digital	major	true	0	10000	serial port1 slave ZB-ANA:1 communication error
10001	digital	major	true	0	10001	serial port1 slave ZB-HART:2 communication error
10002	high	major	44	0	10002	PORT-FWD level high
10003	low	major	1	0	10002	PORT-FWD level low
10004	high	major	1.5	0	10003	PORT-FWD pressure high
10005	low	major	0.2	0	10003	PORT-FWD pressure low
10006	high	major	100	0	10004	PORT-FWD temperature high
10007	low	major	0	0	10004	PORT-FWD temperature low
10008	sensorFault	major	true	0	10005	PORT-FWD level sensor fault #10005
10009	sensorFault	major	true	0	10006	PORT-FWD pressure sensor fault #10006
10010	sensorFault	major	true	0	10007	PORT-FWD temperature sensor fault #10007

Rows per page:

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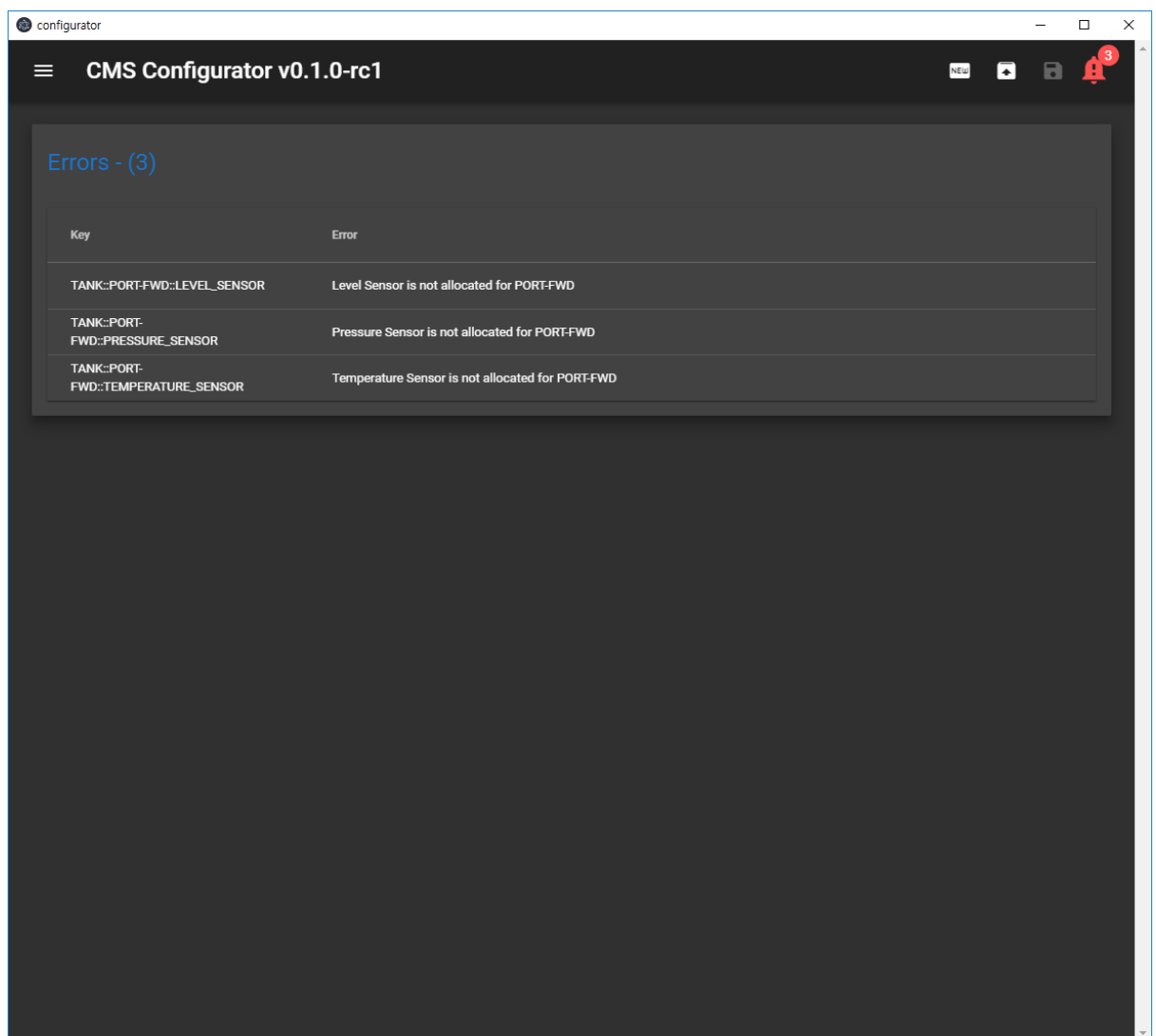
14. Config Error List

Basically,

Error = RED

No Error = White or Blue

When there is any config error, saving project is disabled for safety reason. Fix the errors if there is any!!!



15.