VARICAP SYSTEM

QUICK START

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Status	Proposal
Ref. no.	VariCapSystem_V1.0
Ref. name	Quick Start
Project	VariCAP System

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CHANGE HISTORY

Version	Date	Author	Description
0.1	01-12-2021	Bas Verheijen	Initial version
1.0	06-12-2021	Bas Verheijen	First Release

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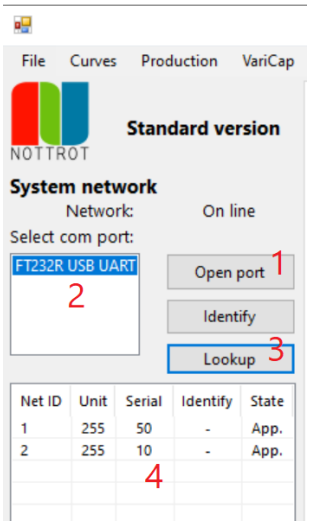
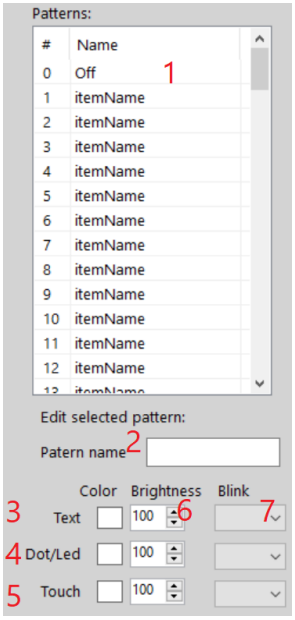
1 QUICK START GUIDE



1. Open the Nottrot N-COM application

2. Click on Open Port (1)
3. Select the COM-port of the USB connected to the system (2)
4. Click on Lookup (3)
5. The N-Control and Data Converter are now connected

** N-Control is always Net ID 1*



The following steps will help create a pattern. If a configuration file is already available, proceed from step 20.
If only a pattern file is already available, proceed from step 13.

6. Click on the pattern number to select it (1)
7. Enter a Pattern Name (2)
8. Choose a color for the Button text (3)
9. Choose a color for the Indicator LED (4)
10. Choose a color for the Touch button outline (5)
11. Set the brightness between 0-255 (0 is Off, 255 is max. On)
12. Choose a blink pattern

** Blink pattern "On" means the light is always on.*

Patterns can be saved under the VariCap menu.

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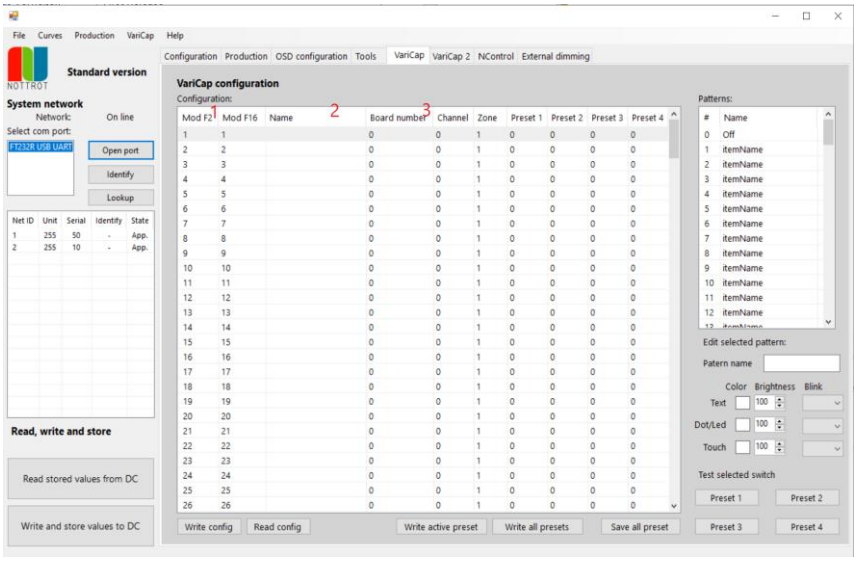

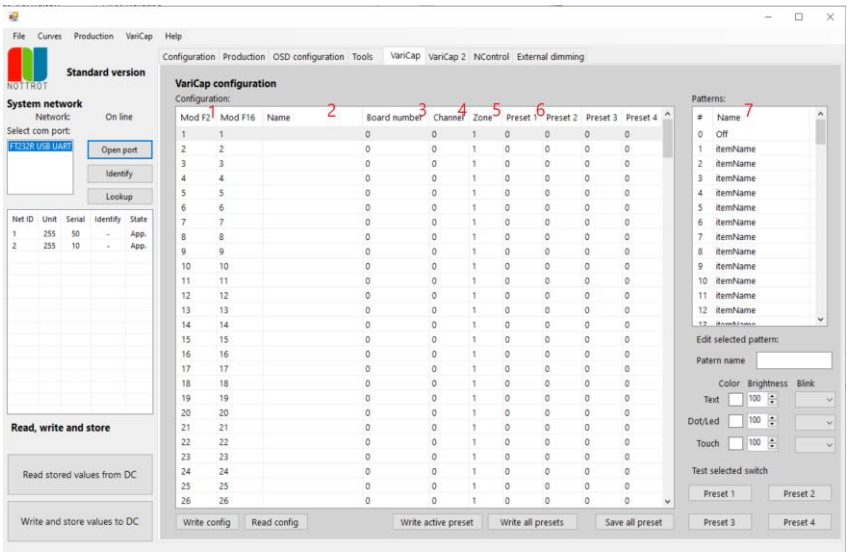

The following steps will help create a configuration. If a configuration file is already available, proceed from step 20.

13. Go to the VariCAP tab
14. The Modbus addresses are set at Mod F2 and Mod F16.
    By default they're matched, F16 can be changed if required (1)
15. *(optional)* Give the address a name (2)
16. Enter the Board Number. This number corresponds to the Booster number to which the VariCap sensor is connected (3)
17. Determine the channel number use the following formula (4):
    Channel Number = (B – 1) x 4 + S

** B = Booster Position (1-8) corresponds to the port that connects the VariCap board to the booster.*

**S = Sensor Number (1-4) corresponds to the sensor on the VariCap board, incremental from left to right.*

18. Set the zone. A total of four zones are available, 1-4. The zone determines the preset maximum brightness of the LED's (5)
19. Set the required presets (6).
    The number entered for a preset corresponds to the number of the pattern (7)

Configurations can be saved under the VariCap menu. The configuration-file will include the patterns.

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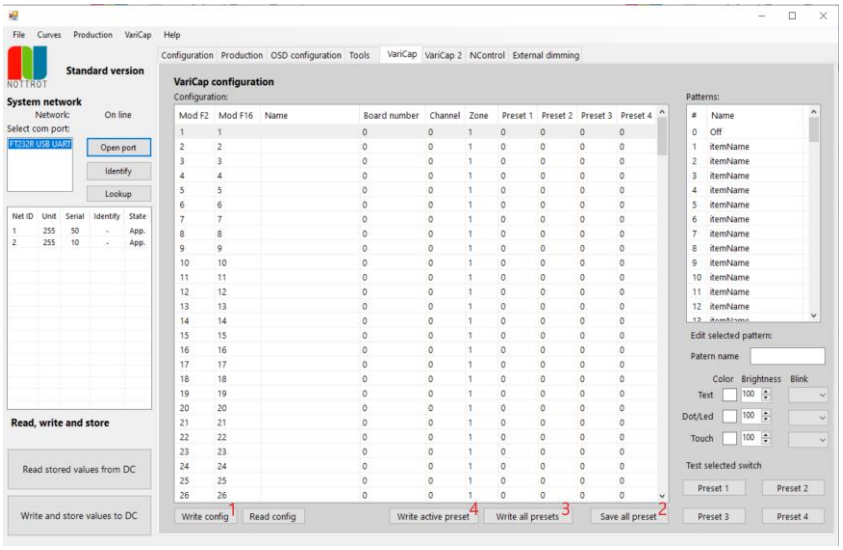

20. Write configuration to the Data Converter (1)
21. Save all presets (2)

    This stores the presets in the EEPROM of the Data Converter. That way the system remembers it's presets after a reboot.
22. Write the presets into the Data Converter (3)

    A reboot is required to load the saved presets from the EEPROM. 'Write all presets' prevents the need for a reboot.
23. *(optional)* Write the presets for a selected address

Warning: "Read Config" doesn't read the presets. All presets are reset to zero when a read is performed.

If multiple Data Converters are connected to the PLC, repeat steps 1-23 to configure the system for each Data Converter.

The Data Converters are Modbus slaves and can, in theory, include up to 32 x 32 Modbus addresses. Depending on the amount of boosters connected to the Data Converter. Only 256 addresses are supported by the N-Com application.

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