SIEMENS

Application example and brief instruction•04/2015

LOGO! App V3.0

LOGO! 8 and LOGO! 7

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1　LOGO! App for LOGO! 8 and LOGO! 7

1.1　Overview of functions

Using the free of charge LOGO! App enables you to update the current process values of your LOGO! 8 and LOGO! 7 application with your smart phone or tablet PC via WLAN or Internet. This allows for switching digital signals as well as changing analog setpoint values. Calling up diagnostic values is also possible via the LOGO! App.

> ### Your LOGO! App enables you …

… to configure connections to more than one LOGO!

For each LOGO! connection you can assign your own profile with user-defined connection name and IP address. This enables the later distinction between several connections or configured values.

Access to each individual LOGO! connection can be protected by a separate password.

… set a password for the LOGO! App

To protect the general access to the App you can specify a respective password for your App.

… In addition, you can assign a separate password for each configured LOGO! connection.

… modify and display values in a table

Configured values in the LOGO! program, such as function block parameters or network I/O, can be represented in a table and modified.
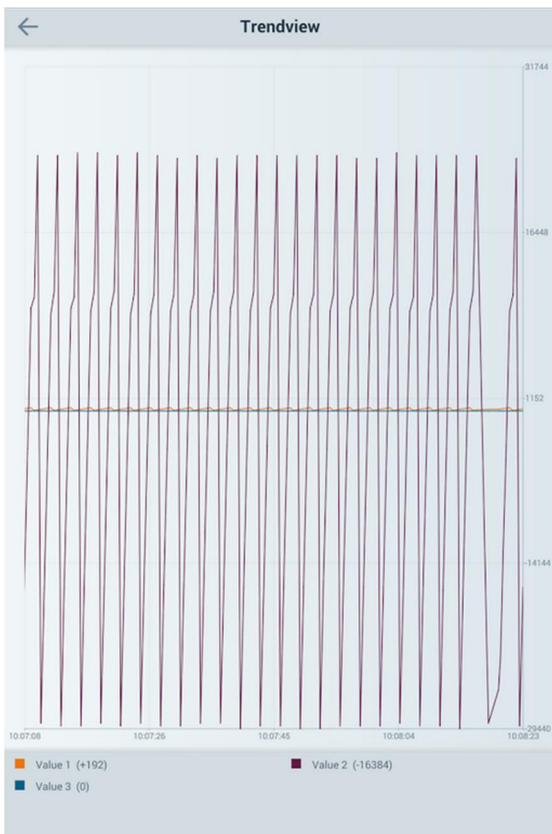
… graphic display of values

Several of the configured values can be selected in the table and be graphically displayed in a trend view. A further configuration of the trend view is not necessary. The scale is adjusted automatically; in addition, the user-specific name of the selected values and the actual address are displayed.
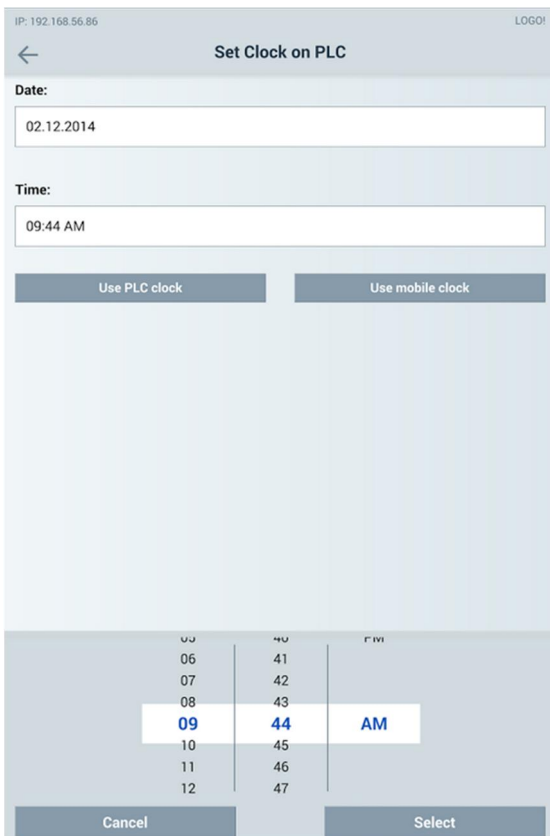
… edit the LOGO! date and time

Furthermore, the LOGO! date and time can be read, manually modified or be adapted to the current date and time of the mobile device.

Note	Operating the plant on site, for example with LOGO! Text Display or SIMATIC Panel, is not affected by the LOGO! App and can be performed simultaneously

Further information is available at: **http://www.siemens.de/logo**

1.2 Download of the LOGO! App

Link to the download versions:

http://w3.siemens.com/topics/global/en/industry/future-of-manufacturing/industry-apps/Pages/industry-apps.aspx

2 Instruction

2.1 Default settings and creating a connection with LOGO!

2.1.1 Specifying the password and access for the LOGO! App in LOGO! Soft Comfort

Prior to accessing LOGO! via the LOGO! App you need to enable the access in the respective LOGO! controller as well as define a password for this access. These settings must be made in LOGO! SoftComfort V8 and be loaded into LOGO!.
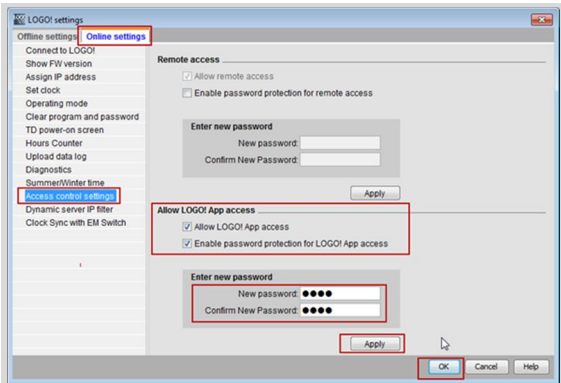Proceed as follows:
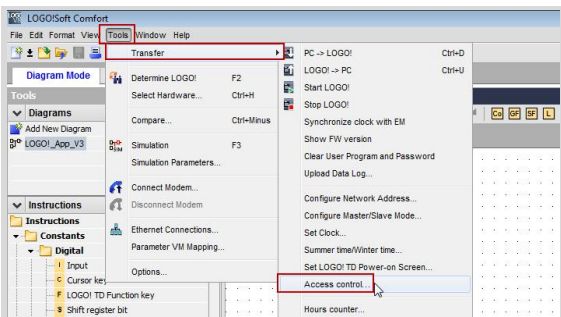
In LOGO!Soft Comfort V8 you navigate to "Tools > Transfer > Access Control".
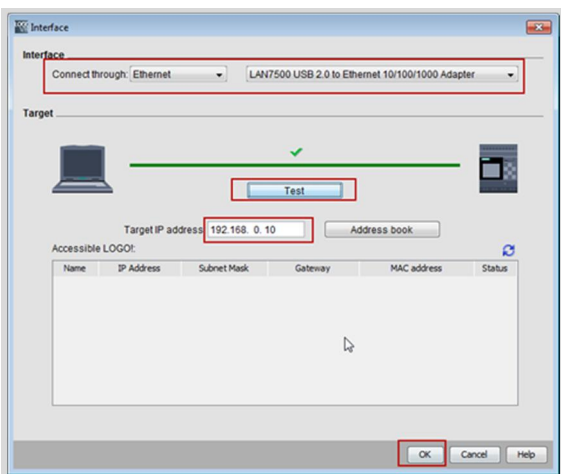
Select the "Interface" for your connection to LOGO! and enter the IP address of your LOGO!. Click "Test" in order to check whether the connection is successful. If the connection is successful click "OK" in order to load the program into the device.

Navigate to menu item "Access control settings" via the "Online settings" tab in "File > Properties".

- Activate the "Allow LOGO! App access" checkbox.
- Activate the "Enable password protection for LOGO! App access" checkmark.
- Assign a password. This password must be identical with the respective password for the LOGO! connection in your LOGO! App!
  (Device view of the respective LOGO! connection in the LOGO! App)
- Click on "Apply" to accept the password.

2.1.2 Settings in the LOGO! App
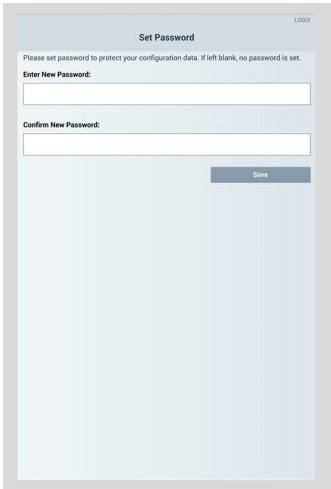
1. **Password LOGO! App**
When using LOGO! App for the first time, the password mask in which you can specify a password for the LOGO! App appears. (Respective specification in the "Settings" mask later on is also possible)

This password is only used for logging on to LOGO! App. Access to the respective LOGO! controller is specified in the device overview
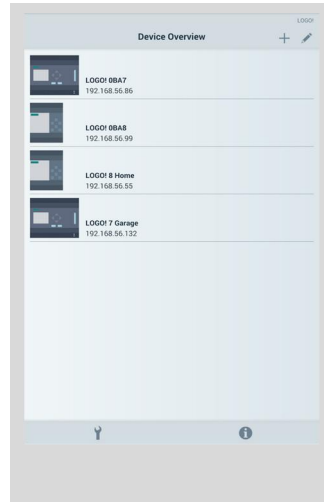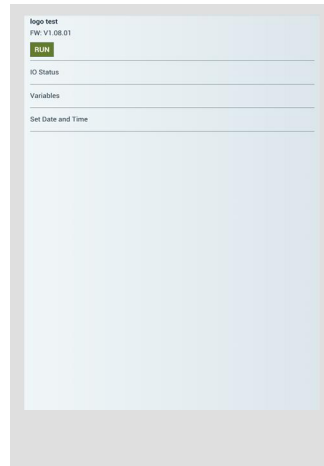

4. **Device overview**
After the connection with LOGO! has been established, you are taken back to the device overview where your specified LOGO! connections are displayed.

Add connections to further LOGO! devices with "+"
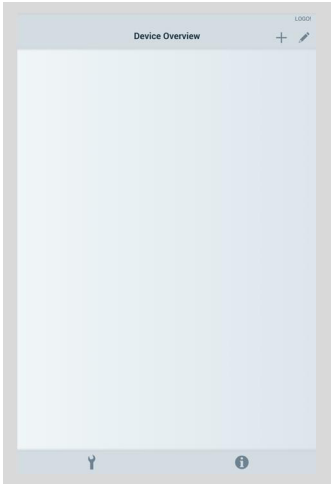
2. **Device overview**
Subsequently, you are directed to Device Overview.

In this screen you can add new LOGO! devices (plus) or edit existing connections (pen).

You can also choose the Settings menu or the Information dialog here. (Spanner and info button)

5. **Check connection**
Selecting the respective LOGO! in the device overview takes you to the station information mask.

For an existing connection with LOGO!, the current state (RUN/STOP) and the firmware of LOGO! is shown.
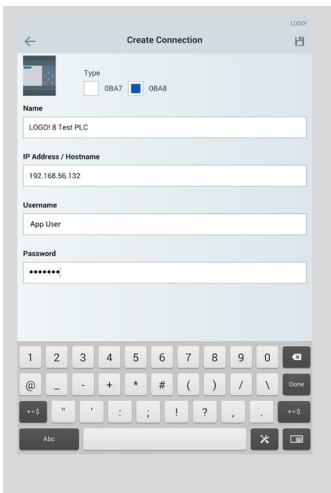
3. **Connections**
In the "Create connection" mask you connect your mobile device to LOGO!
- The name refers to the connection and can be assigned by the user.
- In IP Address you enter the IP address of your LOGO! ***)**
- User name "App User" is default.
- In Password you enter the PW of your LOGO! controller, **which you have specified via LOGO!Soft Comfort**.
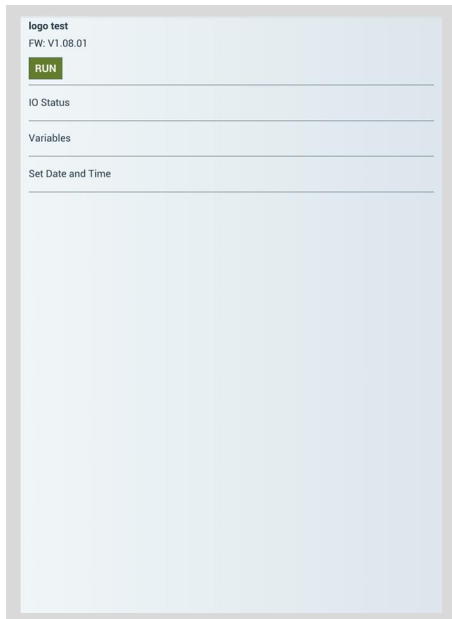

Settings
In menu item Settings, you can additionally specify
- Language,
- Refresh frequency
- and App password.

*) Note   Your WLAN access point and the LOGO! must be located in the same IP address space. For example:

IP address LOGO!: 192.168.0.10
IP address WLAN: 192.168.0.x

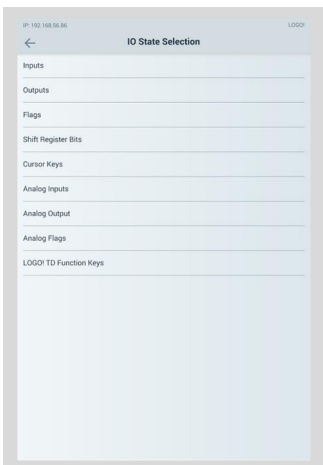## 2.2   Working with LOGO! App

Starting point of the functions
In this "Station Info" overview mask the following functions can be accessed via the called masks:

- view IO status,
- view and change variables,
- set LOGO! date and time.

2.2.1   Status displays of inputs/outputs, flags, and keys

I/O State Selection
In "IO State Selection" you can access the status displays of inputs and outputs, flags of the LOGO! keys, and the text display.

Some examples of status displays are given in further screens on this page.

Trendview outputs
The [icon] icon takes you to the Trendview mask where you can view the values in a graphic display.

Outputs
Pressing "Outputs" shows the state and a short state history of the output signals.
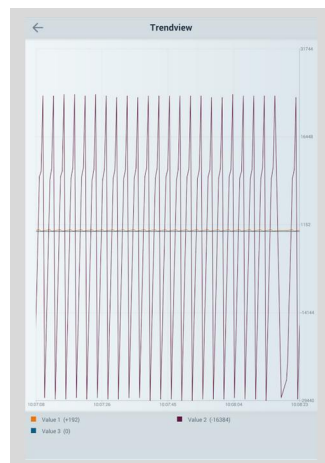
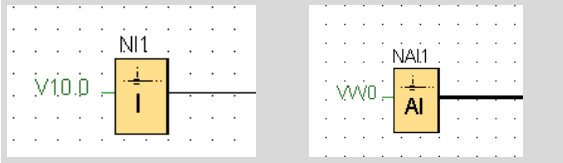**Trendview analog values**
The [icon] icon takes you to the Trendview mask where you can view the analog values in a graphic display.

Brief instruction for LOGO! App
V1.0,   04/2015

2.2.2 Displaying and changing LOGO! variables

Digital and analog network inputs

Digital and analog network inputs can be addressed directly in LOGO! App using the respective V address.

Analog FB parameters

In order to display or change analog FB parameters in LOGO! App you need to enter these FB parameters into the parameter VM table in LOGO! Soft Comfort. (Menu item "Tools > Parameter VM assignment")
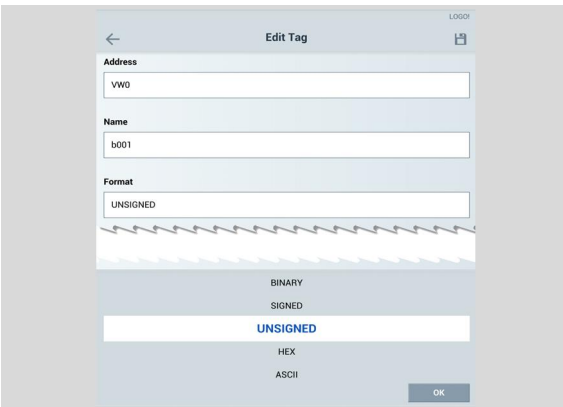
FB parameter - read only (actual value in LOGO!)

FB parameter - read and write

Calling the variable in LOGO! App

Select the "Variables" mask in the "Station Info" mask.

• The address corresponds to the V address of your network input or the FB parameter in the LOGO! program.

• Assign a name to the variable.

• In Format you select the display format for the variable. For digital variables, select "BINARY". For analog variables, select the desired display format, for example UNSIGNED.

Enter the desired value in "New Value". Tapping the "Write to PLC" button accepts the value as current variable value in LOGO!.

2.2.3 Setting date and time

1. **Date and time**
Set date and time individually by selecting "Set Clock on PLC" in the Station info.