

Zelio on tablet or smartphone

2013




Target

- Commanding the Zelio Logic with an Android smartphone or tablet
- Monitoring the in & outputs of the Zelio Logic on an Android device

Note: you can command and monitor multiple zeliomodules with this app

Requirements

- Zelio SR3 module on 24VDC (tested with SR3B261BD) + programming cable or bluetooth module
- Ethernet module SR3NET01BD
- 24VDC power supply (ABL8MEM24003)
- WIFI router
- Android device (tested with Samsung Galaxy Note)
- Android App UniGO (free download in Google Play) 
- Zeliosoft 2 V4.5 (free on www.schneider-electric.be)

~220VAC



powersupply



Zelio Logic



SR3NET01BD

patchcable

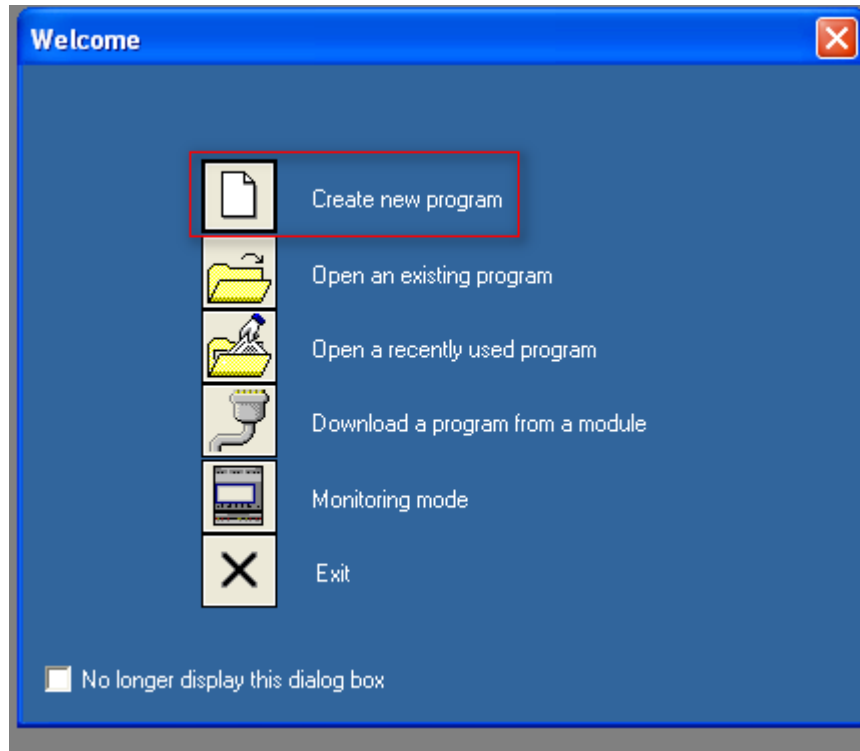


Android device

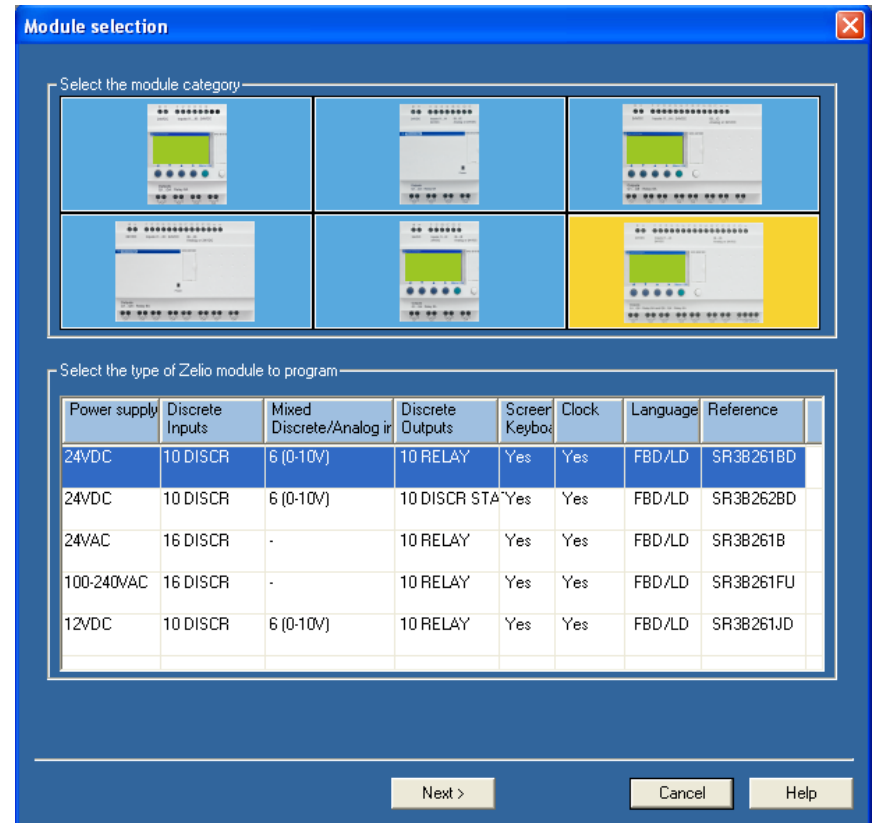


WIFI router

First step: Zeliosoft



Create new program



Select your device


First step: Zeliosoft

1. Select SR3NET01
2. Click Add (the module should show up in the selected extensions window)
3. Click Next

Module selection

Current selection

Type	SR3B261BD
Power supply	24VDC
Inputs	10 DISCR + 6 (0-10V)
Outputs	10 RELAY
Clock	Yes
Language	FBD/LD



Select extensions

Compatible extensions

Type	Reference	Inputs	Outputs
SR3XT101BD	88960221	6 DISCR	4 RELAY
SR3XT141BD	88960231	8 TOR	6 RELAY
SR3MBU01	88960250	4 INTEGERS	4 INTEGERS
SR3XT43BD	88960241	2 ANALOG 10 BITS	2 ANALOG 10 BITS
SR3NET01	88960270	4 INTEGERS	4 INTEGERS
SR2COM01	88960117	NO INPUT	NO OUTPUT

Add **Delete**

SR3NET01 : The ethernet extension is usable only with the FBD language.

Total number of inputs/outputs

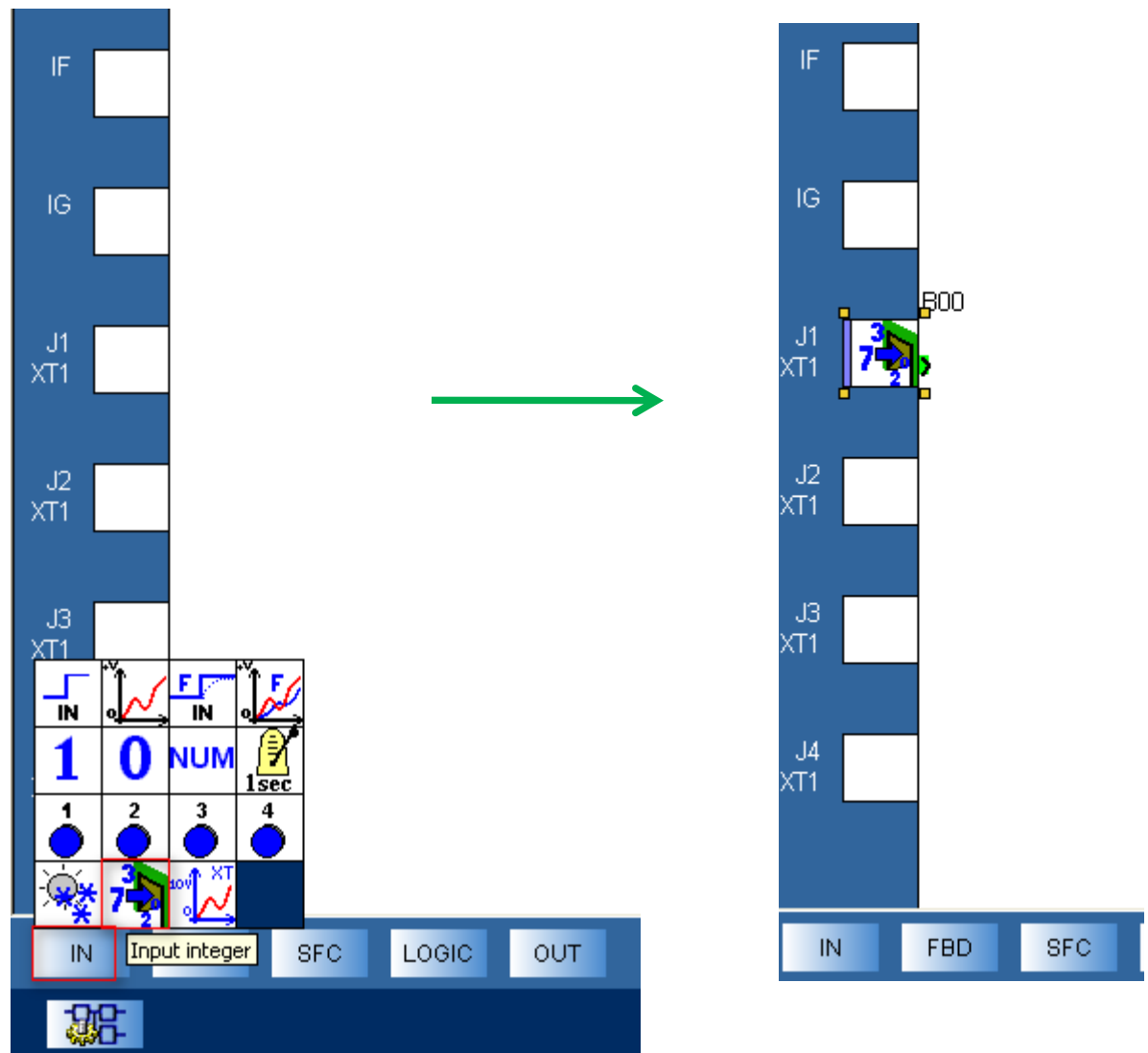
Selected extensions

Type	Reference	Inputs	Outputs
XT1 : SR3NET01	88960270	4 INTEGERS	4 INTEGERS

< Back **Next >** Cancel Help

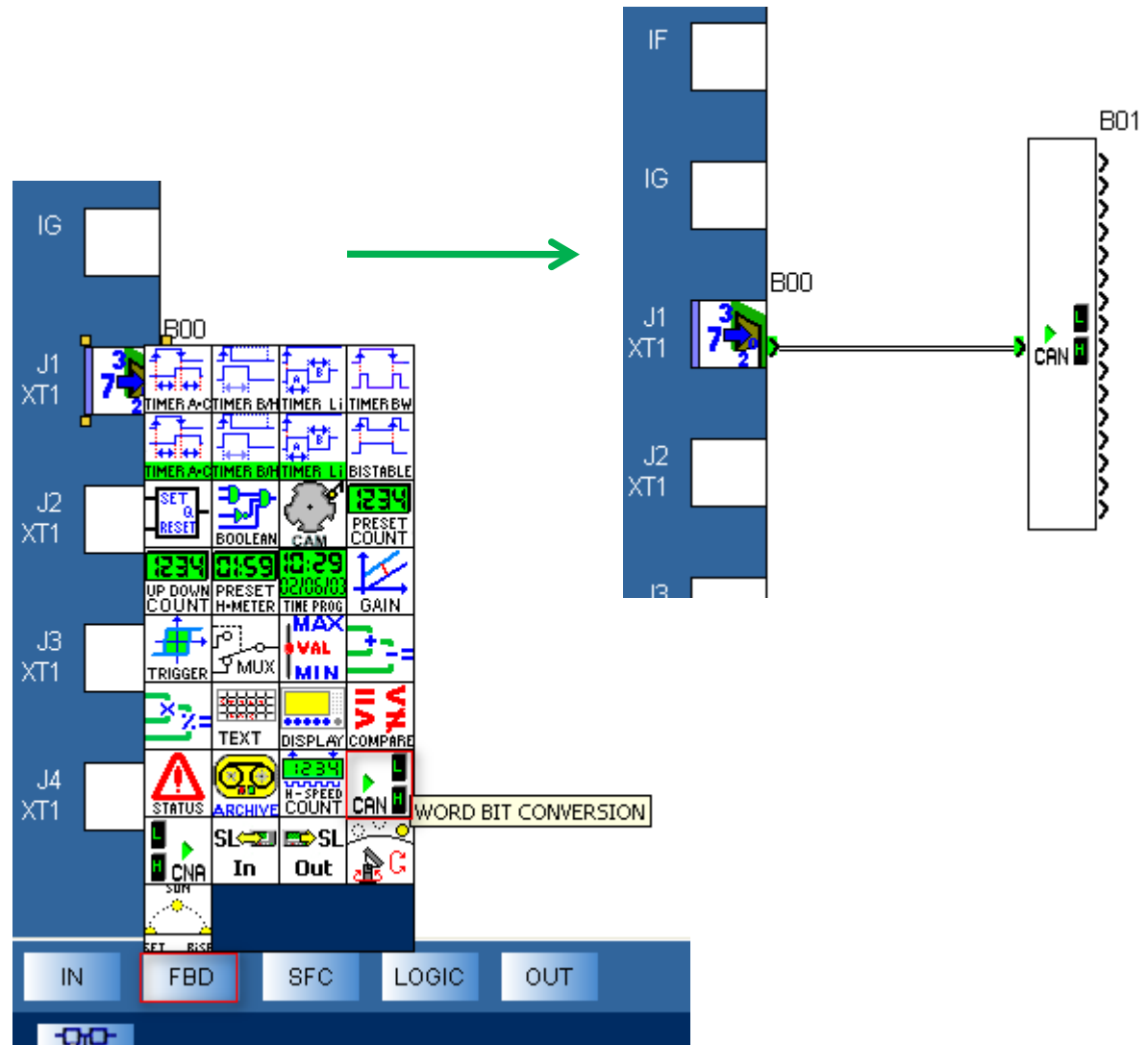
First step: Zeliosoft

1. Click on "IN"
2. Click & drag the Input integer to J1 XT1



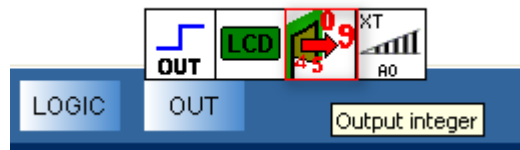
First step: Zeliosoft

1. Click on “FBD”
2. Click on word bit conversion and drag to the programming window
3. Connect the input with the word bit conversion block

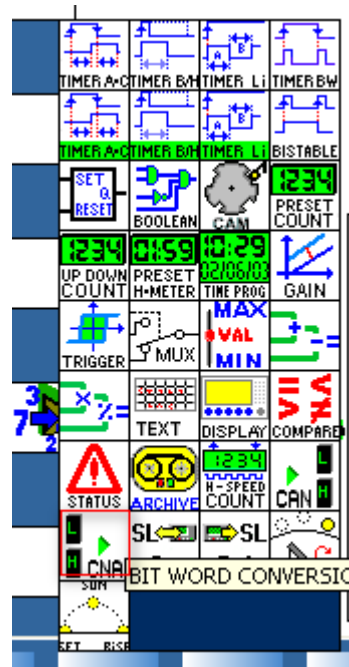


First step: Zeliosoft

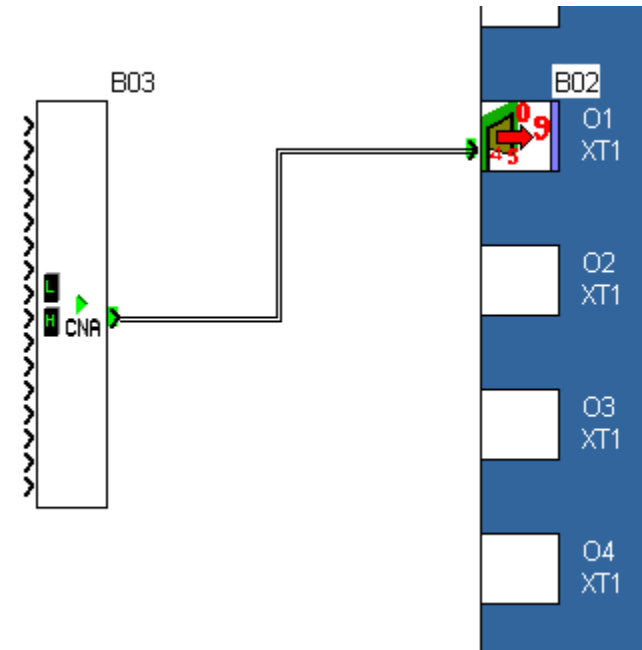
1. Click on “OUT” and drag the “output integer” to O1 XT1
2. Click in FBD on bit word conversion (CNA) and drag to the programming window
3. Connect the output with the bit word conversion block



1



2

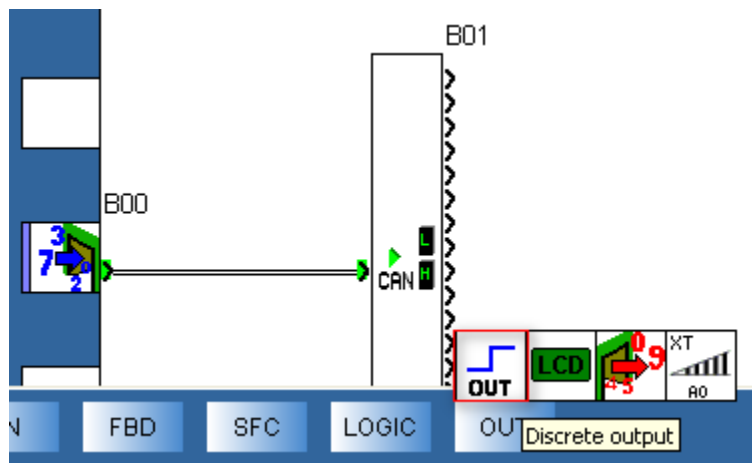


3

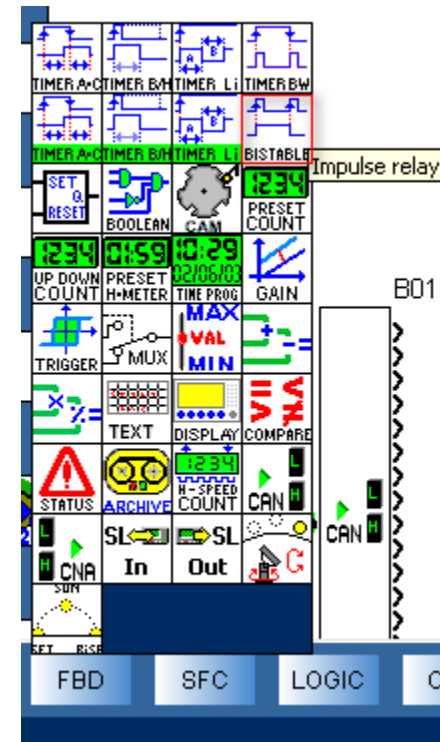
First step: Zeliosoft

1. Click on “OUT” and drag the “discrete output” to QA
2. Click in FBD on Impulse relay (bistable) and drag to the programming window
3. Connect the output of the Impulse relay with QA

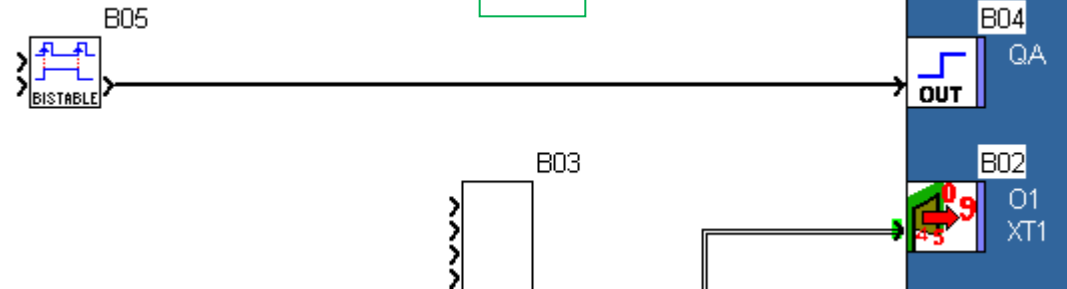
1



2

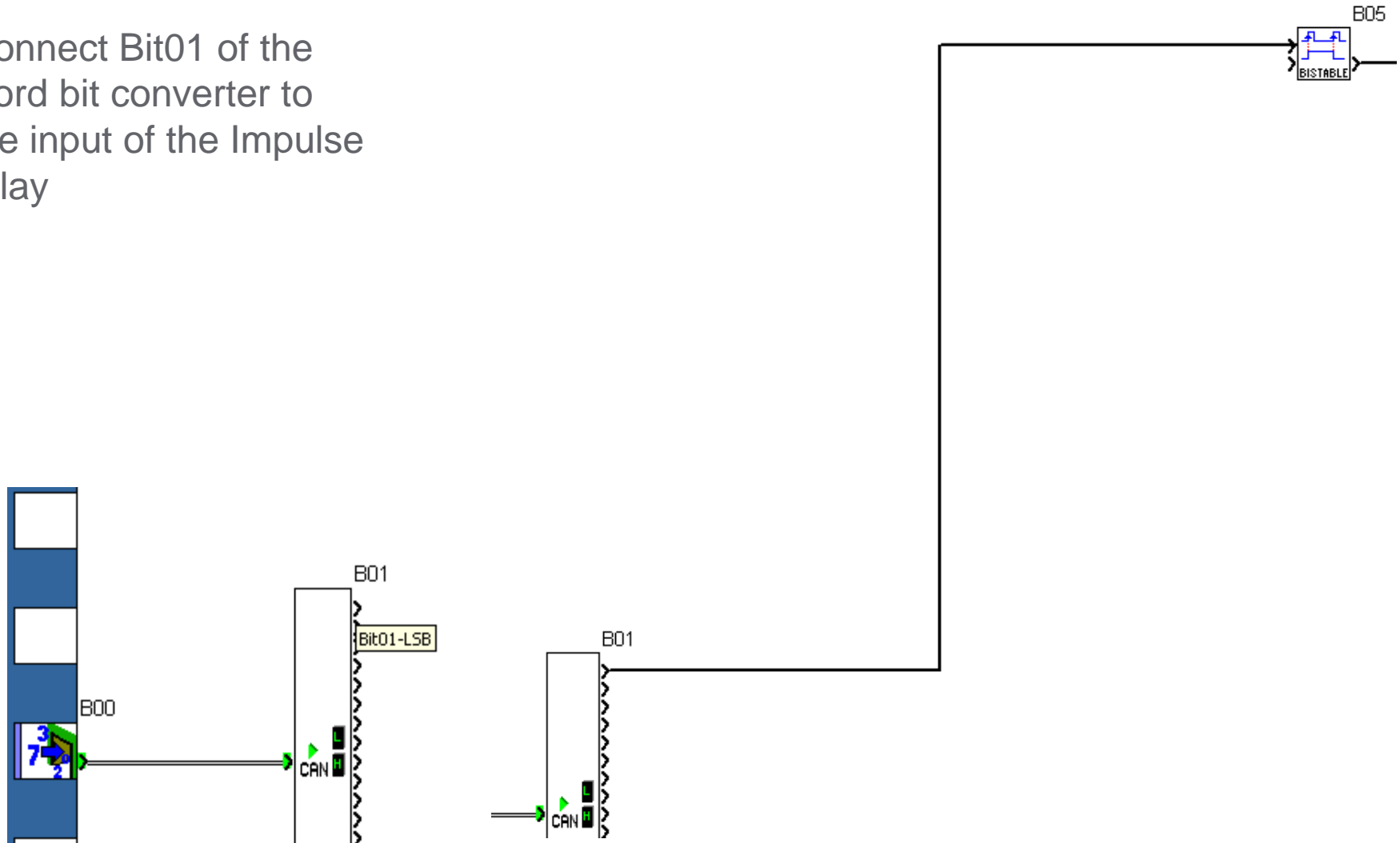


3



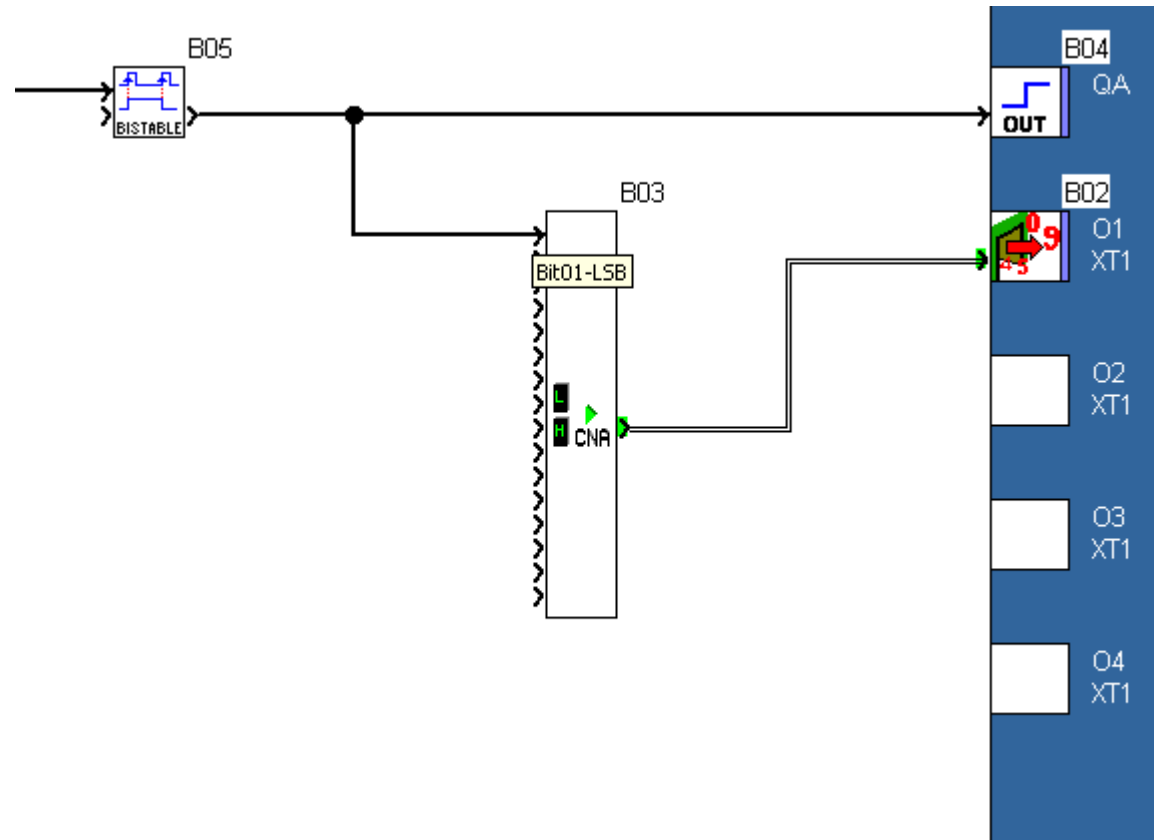
First step: Zeliosoft

1. Connect Bit01 of the word bit converter to the input of the Impulse relay

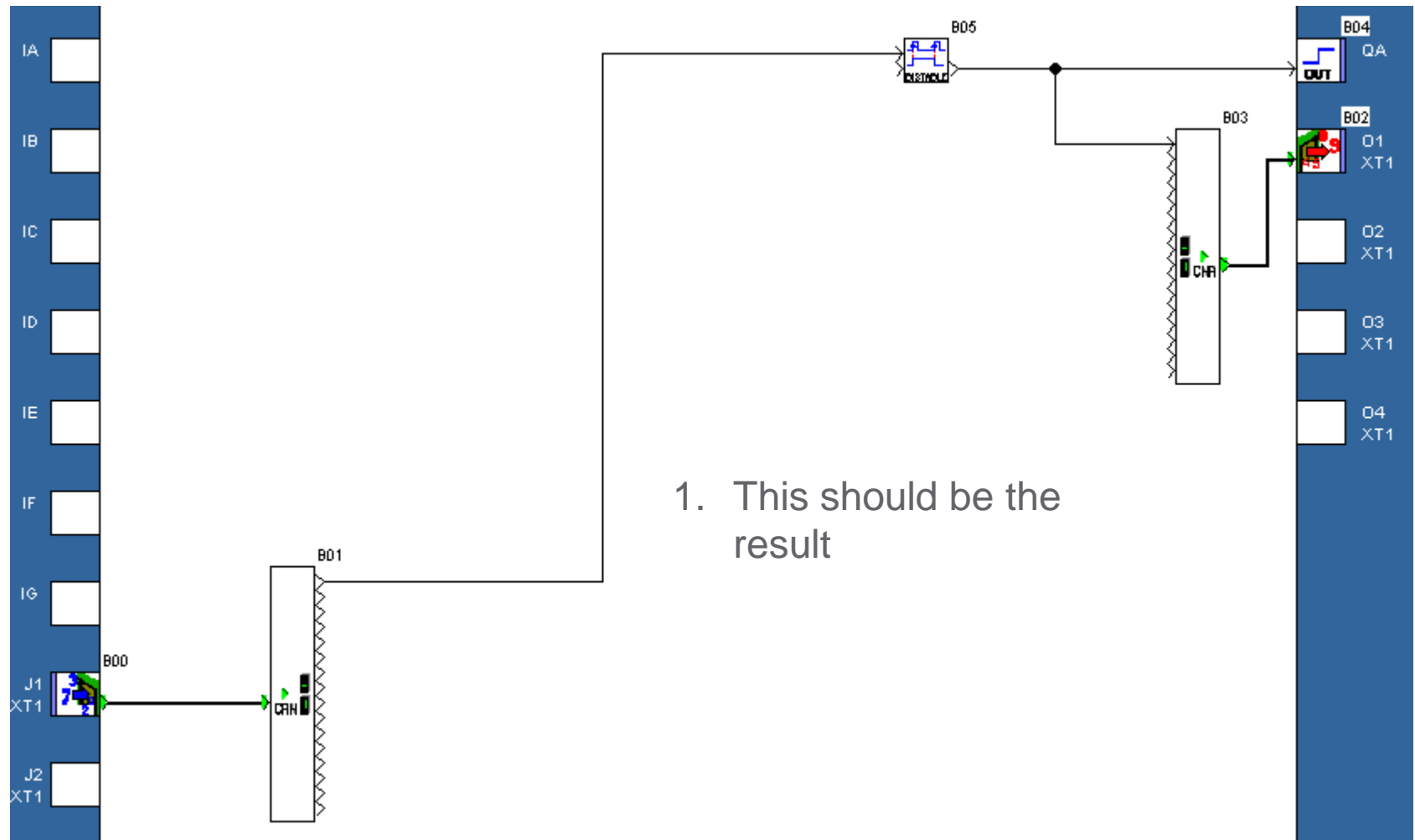


First step: Zeliosoft

1. Connect Bit01 of the bit word converter with the output of the Impulse relay



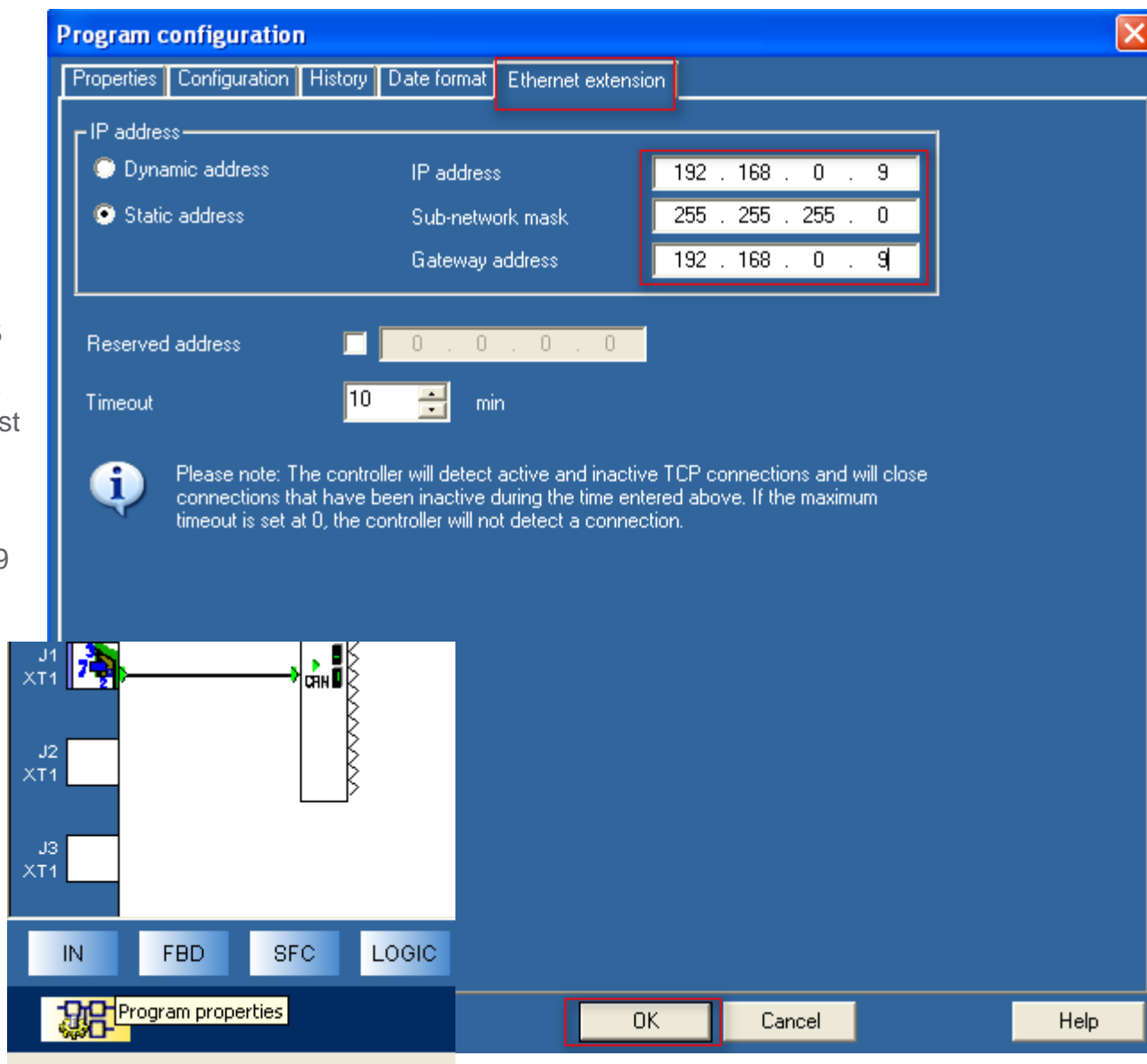
First step: Zeliosoft



1. This should be the result

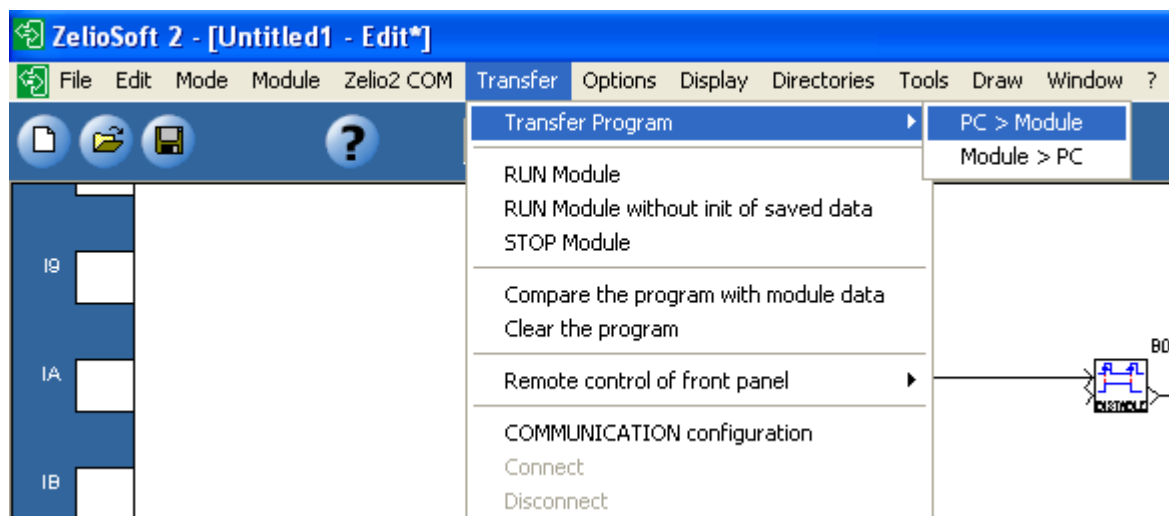
First step: Zeliosoft

1. In the left corner, click on Program properties
2. Click on Ethernet extension tab
3. Fill in the IP address + sub-network mask
(the ip address of the zelio must be in the same range as the ip address of the router. So if router IP = 192.168.0.1, than choose for zelio IP 192.168.0.9 for example.



First step: Zeliosoft

1. Download the program to the Zelio module

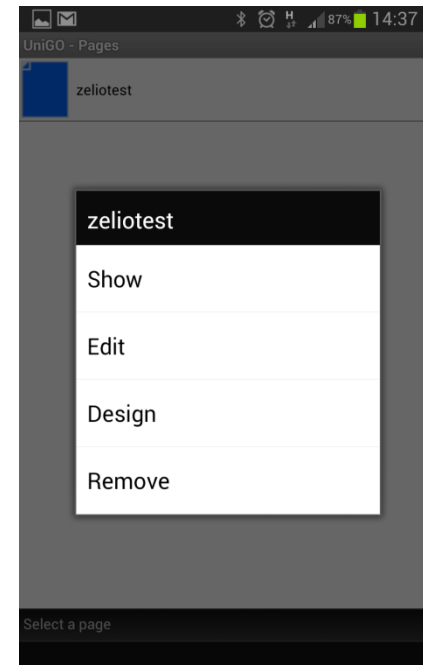
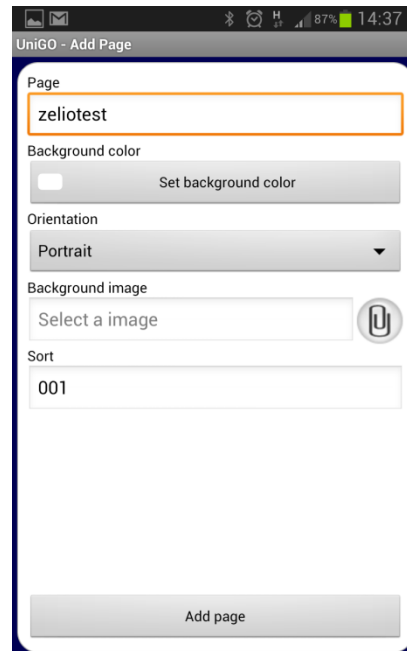
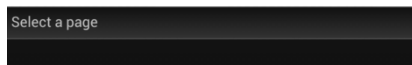


Second step: UniGO

1. Download and install UniGO on your Android device. You find it for free in [Google Play store](#)
2. Follow the instructions (setting a password etc...)
 - Standard login = admin
 - Standard pass = admin

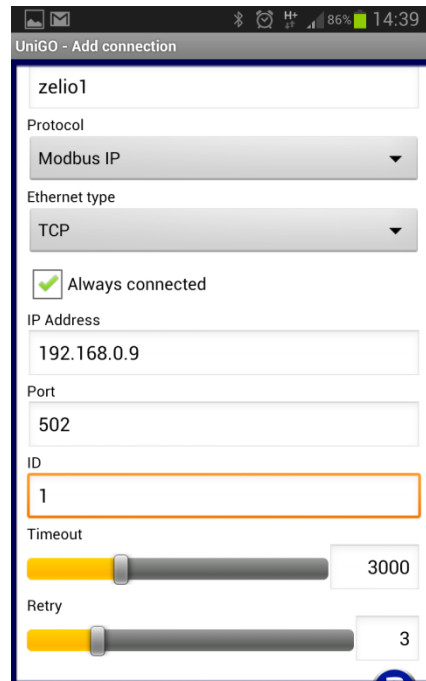
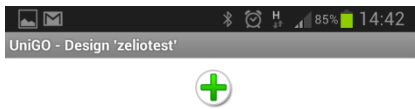
Second step: UniGO

1. Go to pages, and add a page by pressing the menu button.
2. Give the page a name and if you like, a backgroundcolor or backgroundpicture and click “add page”
3. Now you see your page in the “page page”... Hold your page, and select the “design option”



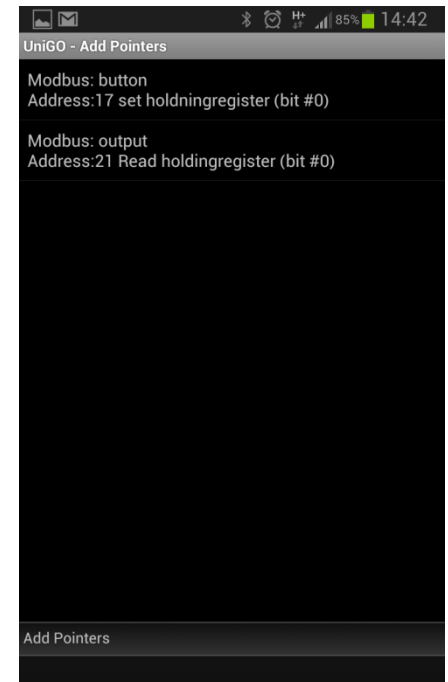
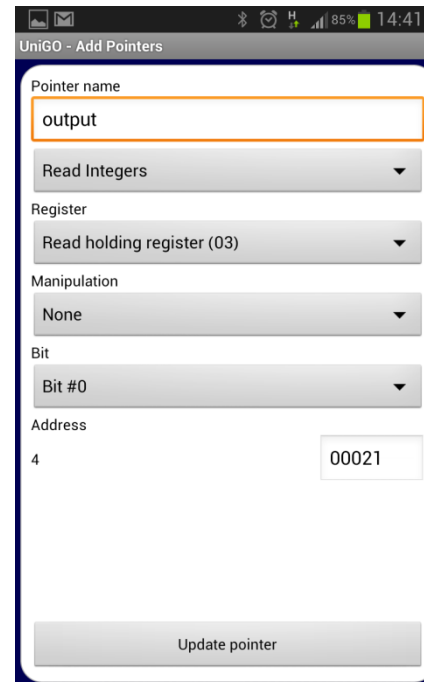
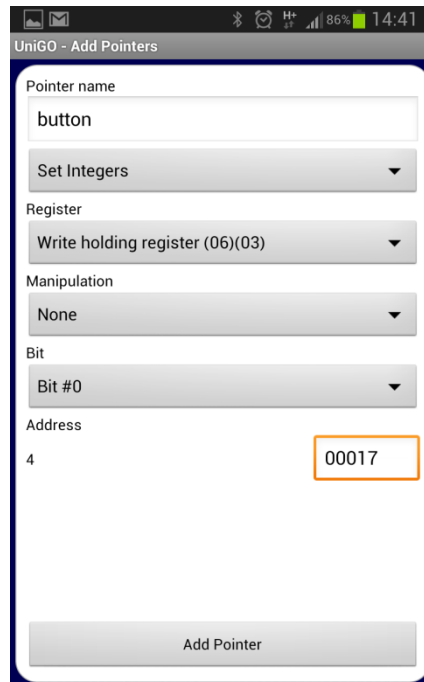
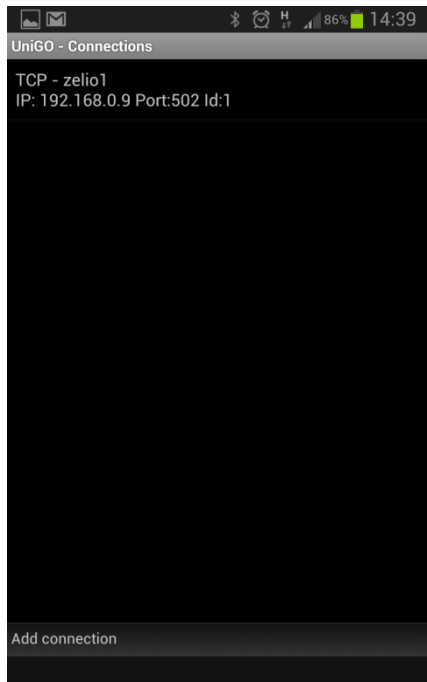
Second step: UniGO

1. In your page, click on the menubutton of your device, and choose “connections”.
2. Click again on your menubutton and chose “ETH” and fill in your ip address and the other parameters like in the picture below
3. Click “add connection” *(you can add multiple connections here if you like)*




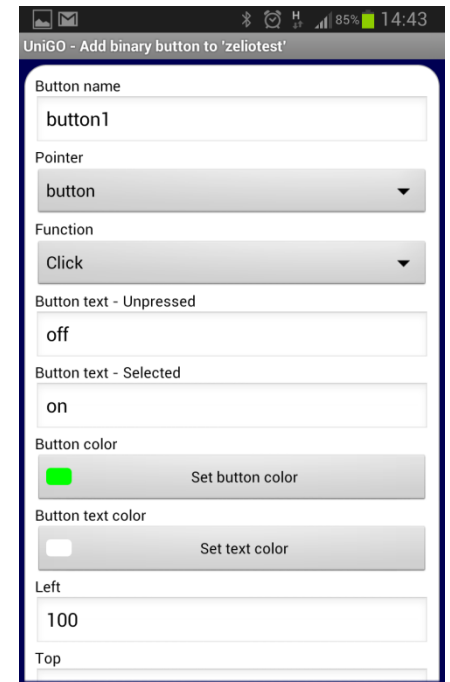
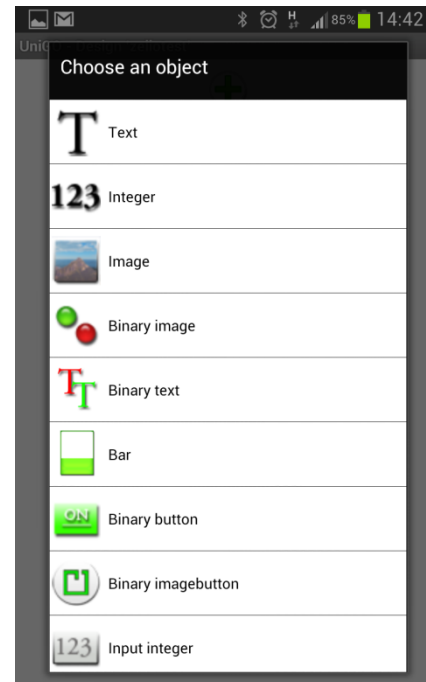
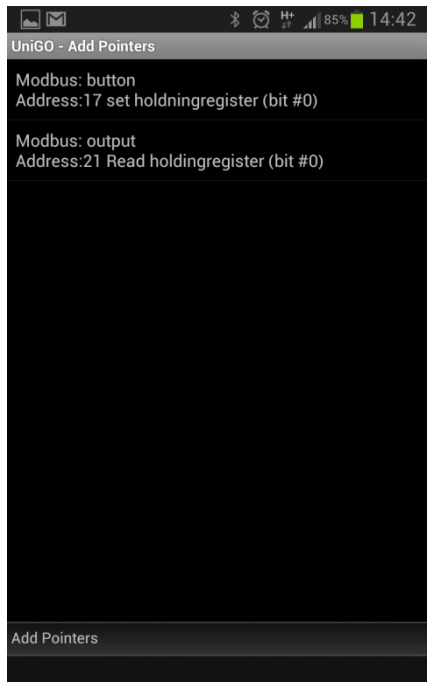
Second step: UniGO

1. Click on your connection for about 2 seconds and chose “Add Pointers”
2. The first pointer (called button here) is to command your output (set integer). Because we selected bit #0 in the zelio, we do the same here. The address for J1 XT1 is 00017 (J2 XT1 = 00018 etc)
3. The second pointer (called output here) is to monitor your output (read integer). Because we selected bit #0 in the zelio, we do the same here. The address for O1 XT1 is 00021 (O2 XT1 = 00022 etc)




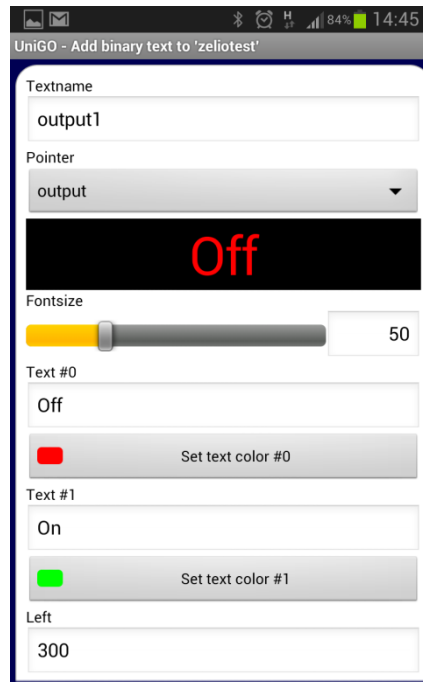
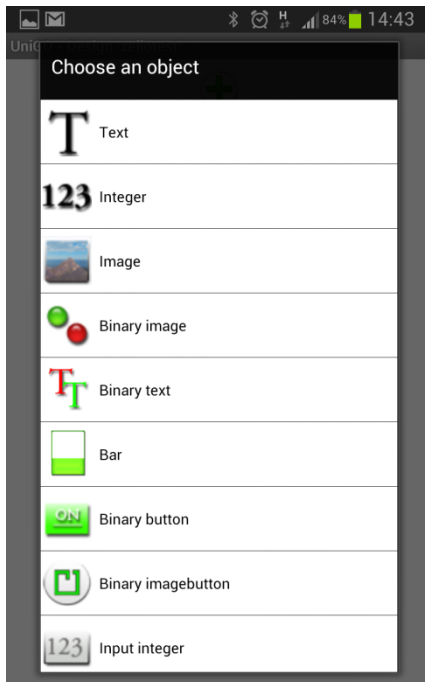
Second step: UniGO

1. When you have add all your pointers, you can see them in the pointer page. Press the back button of your device for returning to your “object page”.
2. Press the  and add a button (I choose the binary button)
3. Give it a name, and choose the right pointer (“button” in this case). Fill in the other parameters and click “add”



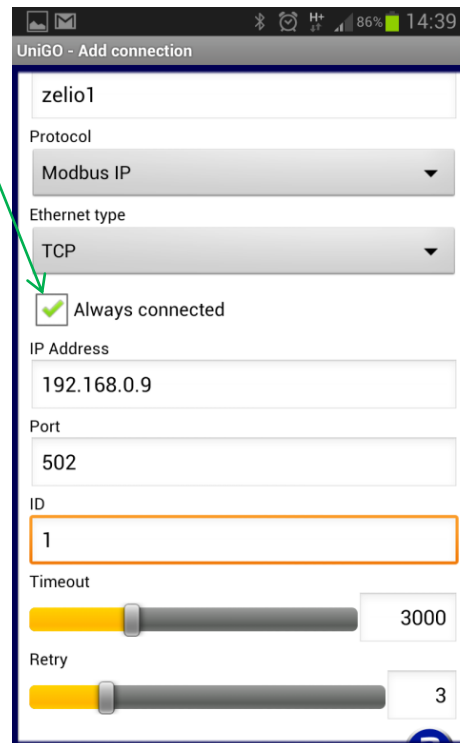
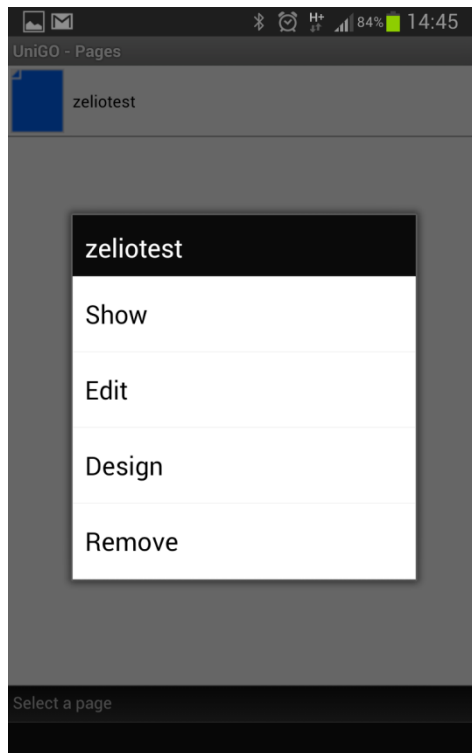
Second step: UniGO

1. Press the  again and add an output object (I choose the binary text)
2. Give it a name, and choose the right pointer (“output” in this case). Fill in the other parameters and click “add”
3. Now you have created a button and a text that change color and text depending the outputstatus



Second step: UniGO

1. Go back now to the “page page” and hold your page for about two seconds.
2. Choose “show” and everything should work now
3. If you didn't select “always connected” in the connectionmenu, you have to press the menu button and click on “start listening”



Notes

- UniGO is not a Schneider Electric application so we will not give any support when using this application.
- If you want to control multiple Zelio Logic modules, just add more connections and add pointers by each connection