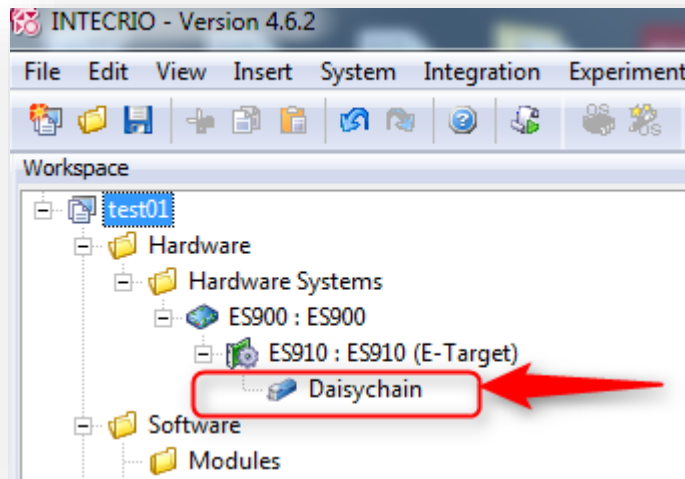


INTECRIO - Add signals to Daisychain

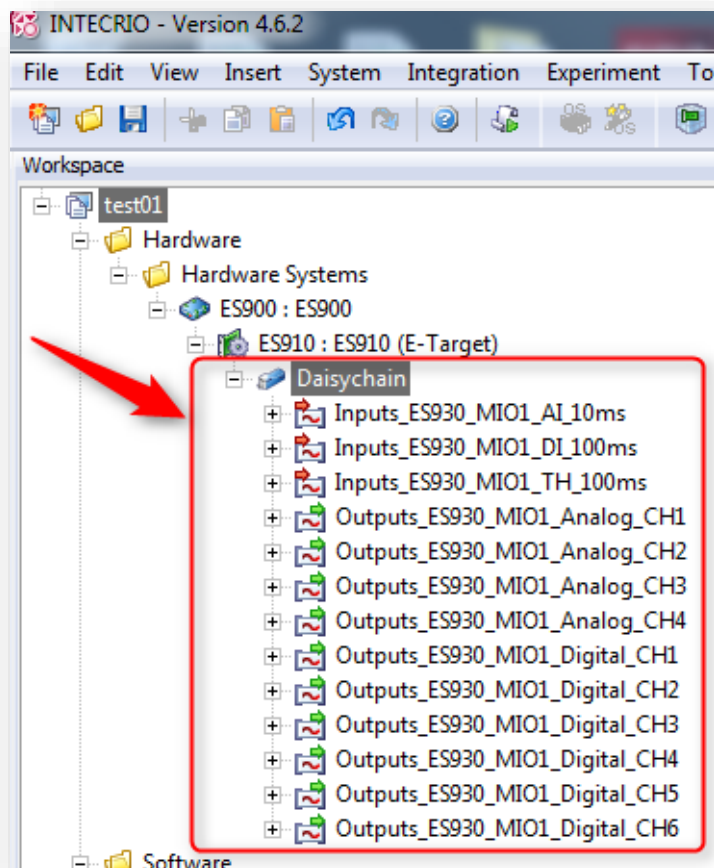


Question:

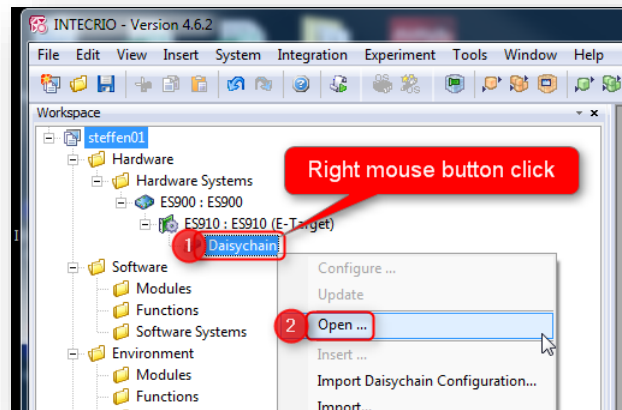
- In INTECRIO I add a Daisychain to an hardware system
 - In **INTECRIO > Workspace > Hardware > Hardware Systems > ES900 : ES900 > ES910 : ES910 (Target) > Right mouse button click > Insert... > Daisychain**
- Daisychain is visible in INTECRIO but there are no signals listed under Daisychain



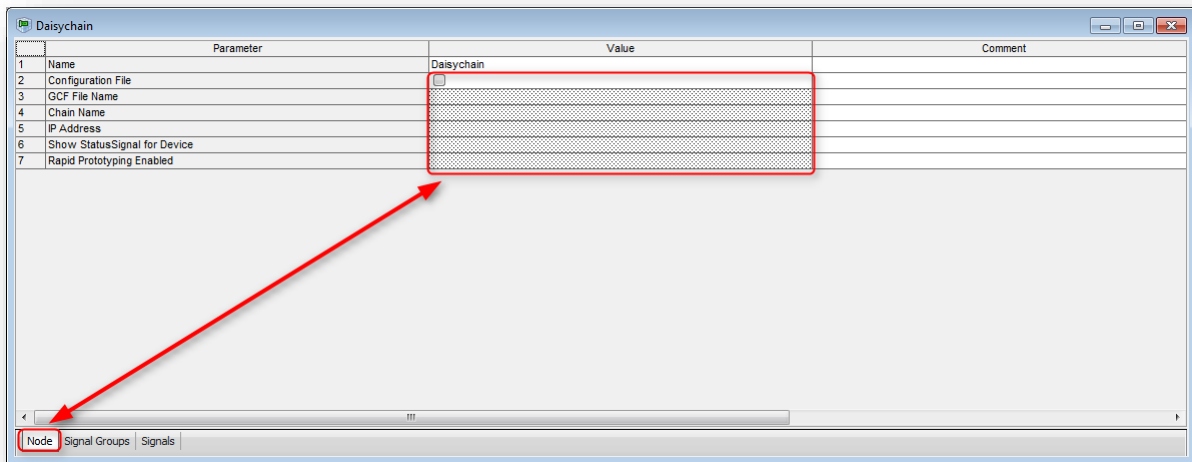
- Expected display:



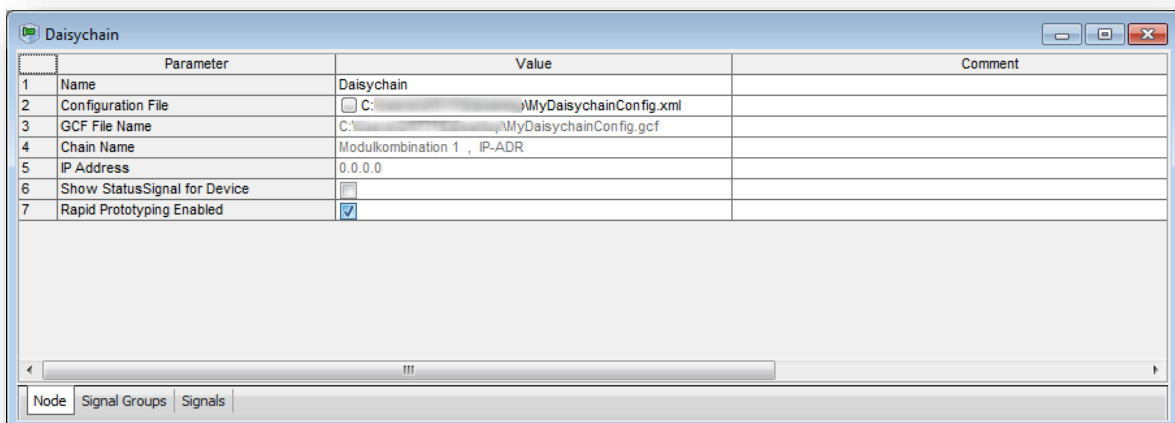
- When I open dialog **Daisychain** via right mouse button click > **Open ...**



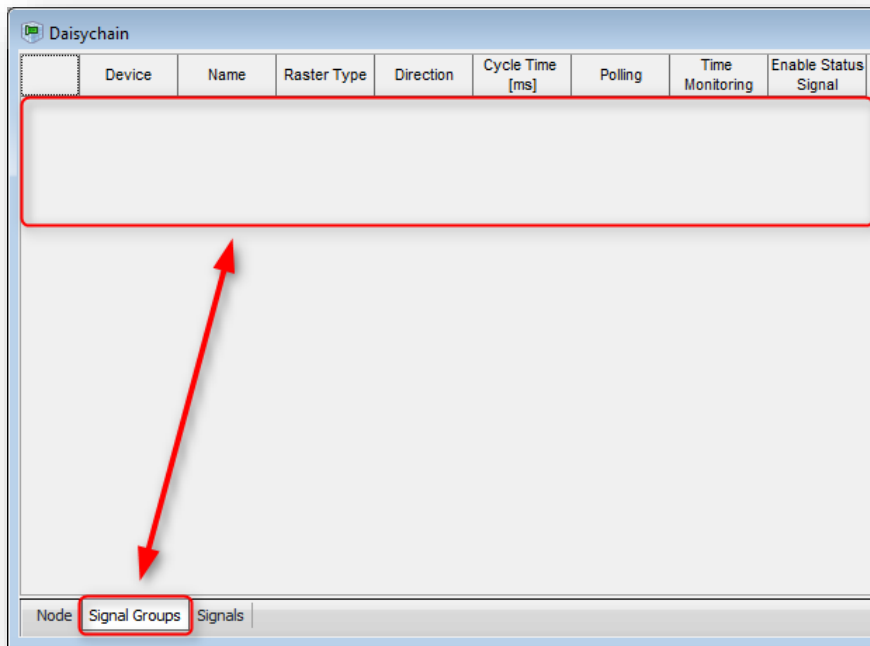
- There are no values displayed for the parameters



- Expected display:



- Tab **Signal Groups** is empty



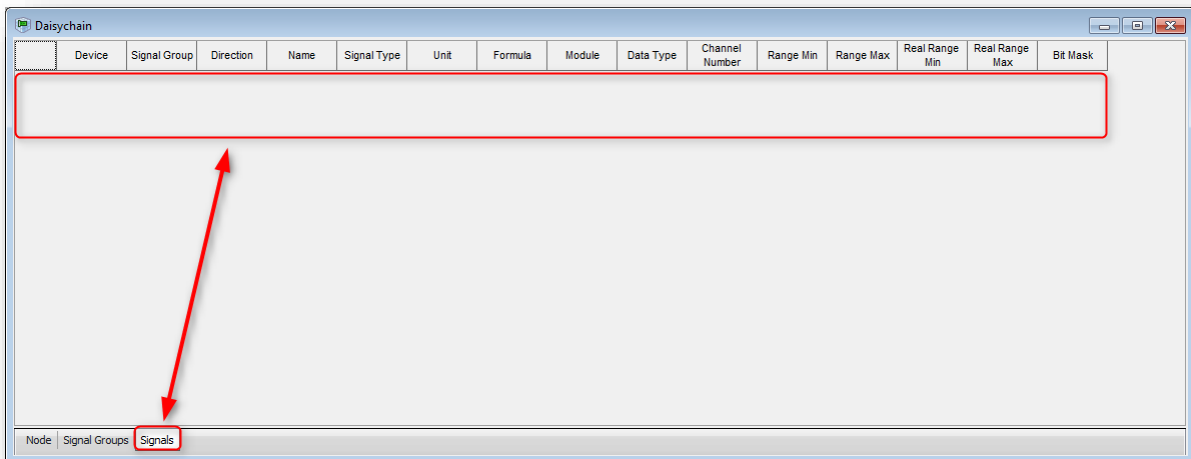
- Expected display:

The screenshot shows the 'Daisychain' window with a populated table. The table has 13 rows and 9 columns. The first three rows are for inputs, and the remaining ten are for outputs. The 'Signal Groups' tab is selected at the bottom.

	Device	Name	Raster Type	Direction	Cycle Time [ms]	Polling	Time Monitoring	Enable Status Signal
1	Daisychain	Inputs_ES930	time-triggered	receive	10	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2	Daisychain	Inputs_ES930	time-triggered	receive	100	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3	Daisychain	Inputs_ES930	time-triggered	receive	100	<input checked="" type="checkbox"/>		<input type="checkbox"/>
4	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
5	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
6	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
7	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
8	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
9	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
10	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
11	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
12	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	
13	Daisychain	Outputs_ES9	output	send			<input type="checkbox"/>	

Node **Signal Groups** Signals

- On tab **Signals**: There are no signals available



- Expected display:

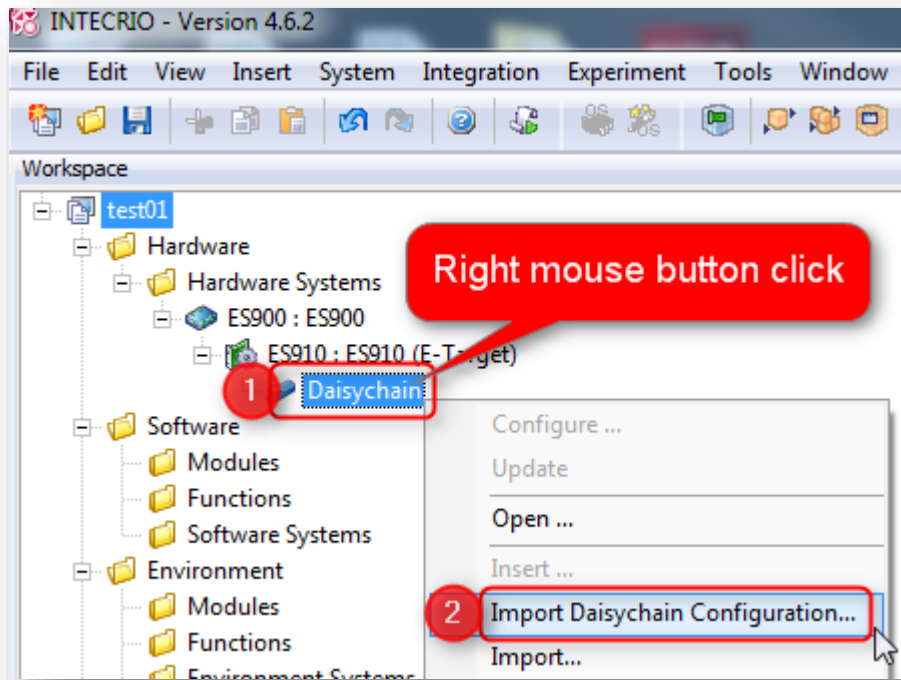
The screenshot shows the 'Daisychain' application window with a populated table of signals. The table has the following columns: Device, Signal Group, Direction, Name, Signal Type, Unit, Formula, Module, Data Type, Channel Number, Range Min, Range Max, Real Range Min, Real Range Max, Bit Mask, UUID, Anti-aliasing Filter, and Allowed Frequency. The table contains 31 rows of signal data.

Device	Signal Group	Direction	Name	Signal Type	Unit	Formula	Module	Data Type	Channel Number	Range Min	Range Max	Real Range Min	Real Range Max	Bit Mask	UUID	Anti-aliasing Filter	Allowed Frequency
1	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	29	0	60	-60	60	dbed3f49-65	On	Off
2	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	30	0	60	-60	60	b67a09a2-6f	On	Off
3	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	31	0	60	-60	60	f5b9afe2-e5e	On	Off
4	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	32	0	60	-60	60	ab5e62d8-17	On	Off
5	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	33	0	60	-60	60	f2622b1a-8	On	Off
6	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	34	0	60	-60	60	e4cbfa44-81f	On	Off
7	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	35	0	60	-60	60	11f2ad43-a8	On	Off
8	Daisychain	Inputs_ES930	receive	ES930_AiH_C	cont	V	f(phys) :-	ES930 / MIO:1	sint32	36	0	60	-60	60	8b235793-71	On	Off
9	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	Bit	f(phys) :-	ES930 / MIO:1	uint32	1	0	255	0	255	0x1	c690c75e-44	
10	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	Bit	f(phys) :-	ES930 / MIO:1	uint32	5	0	255	0	255	0x1	78b9e03-49	
11	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	Bit	f(phys) :-	ES930 / MIO:1	uint32	9	0	255	0	255	0x1	3893329c-09	
12	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	Bit	f(phys) :-	ES930 / MIO:1	uint32	13	0	255	0	255	0x1	d48dae8f-a8	
13	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	3	0	64424.5	0	64424.5		9c4f370b-e4	
14	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	7	0	64424.5	0	64424.5		b3614a67-89	
15	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	11	0	64424.5	0	64424.5		27ee9fdf-213	
16	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	15	0	64424.5	0	64424.5		8f007cc-937	
17	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	4	0	64424.5	0	64424.5		2fb4136a-1f3	
18	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	8	0	64424.5	0	64424.5		9675093-92	
19	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	12	0	64424.5	0	64424.5		d1965925-c6	
20	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	msec	f(phys) :-	ES930 / MIO:1	uint32	16	0	64424.5	0	64424.5		c4af107e-dc	
21	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	counts	f(phys) :-	ES930 / MIO:1	uint32	2	0	4294967295	0	4294967295		791b30f6-04	
22	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	counts	f(phys) :-	ES930 / MIO:1	uint32	6	0	4294967295	0	4294967295		bb0b4c45-f2	
23	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	counts	f(phys) :-	ES930 / MIO:1	uint32	10	0	4294967295	0	4294967295		23396424-10	
24	Daisychain	Inputs_ES930	receive	ES930_DiH_C	cont	counts	f(phys) :-	ES930 / MIO:1	uint32	14	0	4294967295	0	4294967295		8a329051-d1	
25	Daisychain	Inputs_ES930	receive	ES930_TH1_C	cont	DegC	f(phys) :-	ES930 / MIO:1	sint32	43	0	150	-200	1372		8934d85a-6f	
26	Daisychain	Inputs_ES930	receive	ES930_TH1_C	cont	DegC	f(phys) :-	ES930 / MIO:1	sint32	44	0	150	-200	1372		92f1d156-f68	
27	Daisychain	Inputs_ES930	receive	ES930_TH1_C	cont	DegC	f(phys) :-	ES930 / MIO:1	sint32	45	0	150	-200	1372		7c03abe7-3e	
28	Daisychain	Inputs_ES930	receive	ES930_TH1_C	cont	DegC	f(phys) :-	ES930 / MIO:1	sint32	46	0	150	-200	1372		bb66f68a-07	
29	Daisychain	Outputs_ES9	send	ES930_AO1_C	cont	V	f(phys) :-	ES930 / MIO:1	uint32	47	0	10	0	10		92e7e68a-d2	
30	Daisychain	Outputs_ES9	send	ES930_AO1_C	cont	V	f(phys) :-	ES930 / MIO:1	uint32	48	0	10	0	10		be9146e2-10	
31	Daisychain	Outputs_ES9	send	ES930_AO1_C	cont	V	f(phys) :-	ES930 / MIO:1	uint32	49	0	10	0	10		a8583b8-e7	

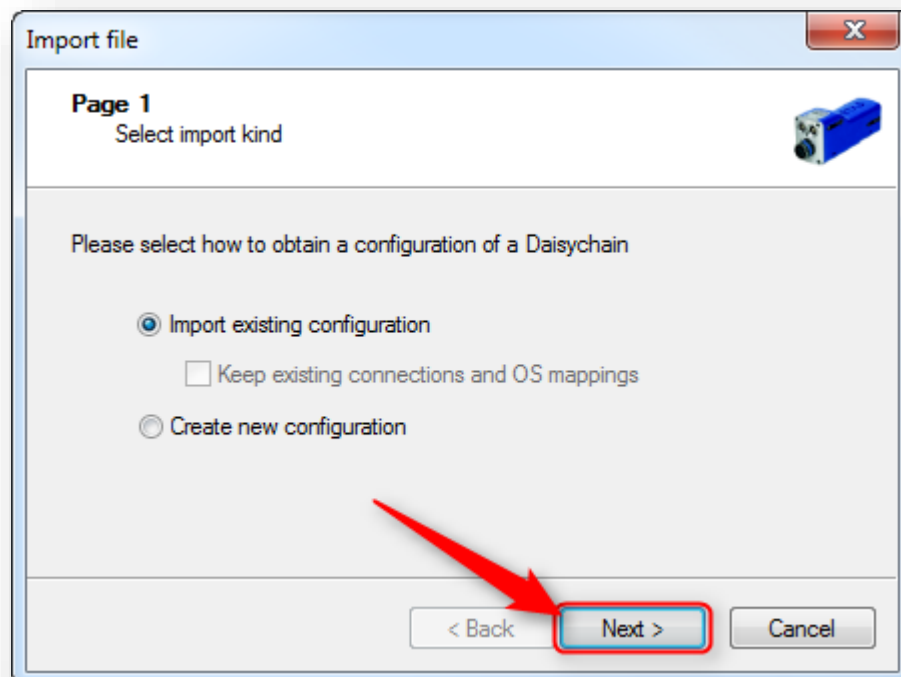
- How to add signals to Daisychain?
- My Daisychain configuration does not work
- I connected my sensors to an ES930, then connected the ES930 to an ES910, and finally connected the ES910 to a PC but there are no signals

**Answer:**

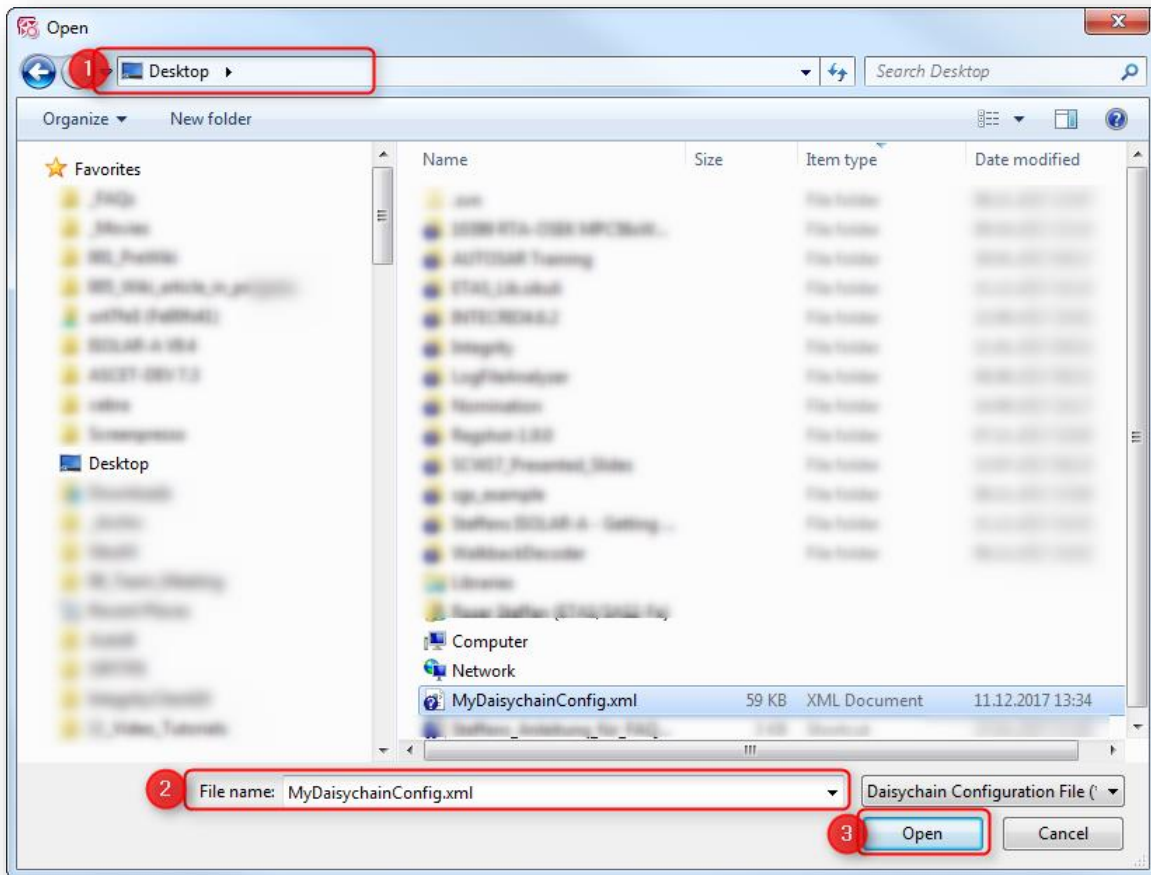
- Import Daisychain configuration
 - In INTECRIO on **Daisychain**: Right mouse button click, then left mouse button click on **Import Daisychain Configuration...**



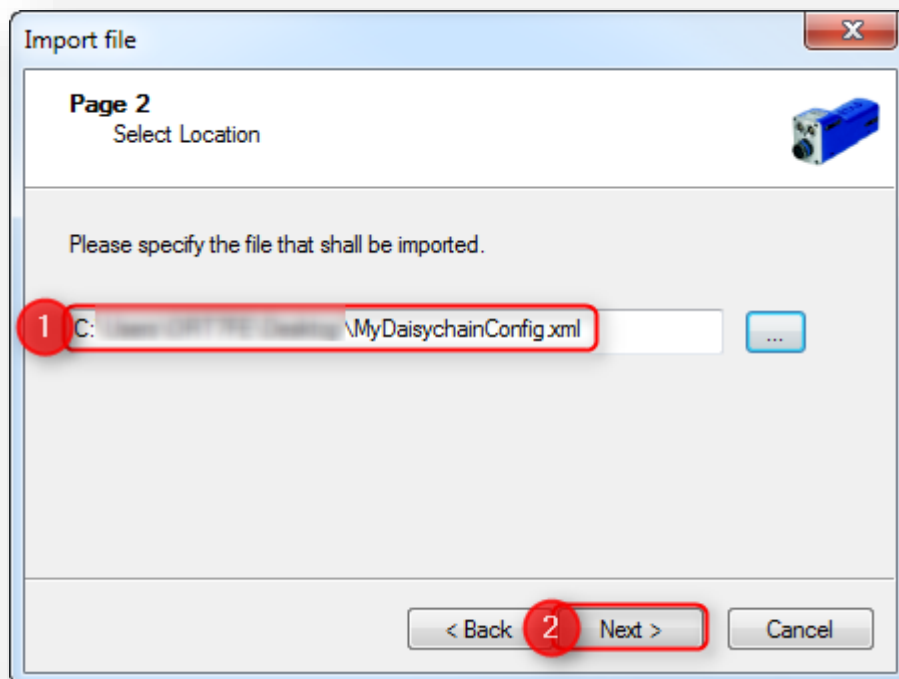
- In dialog **Import file, Page 1**: Click on button **Next**



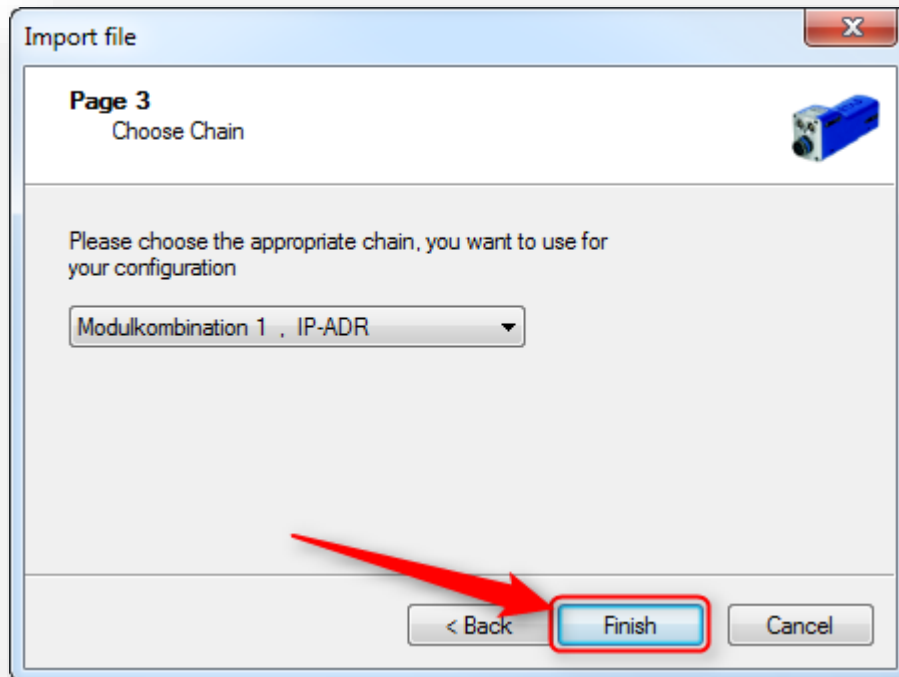
- In dialog **Open**: Select **path** and **file name** of configuration file, then click button **Open**



- In dialog **Import file, Page 2**: Double check if path and file name are correct, then click button **Next >**



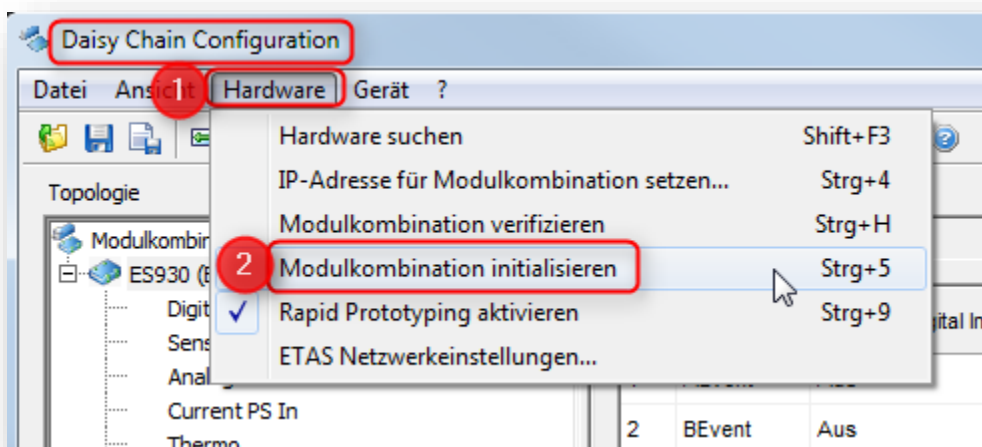
- In dialog **Import file, Page 3**: Click on button **Finish**



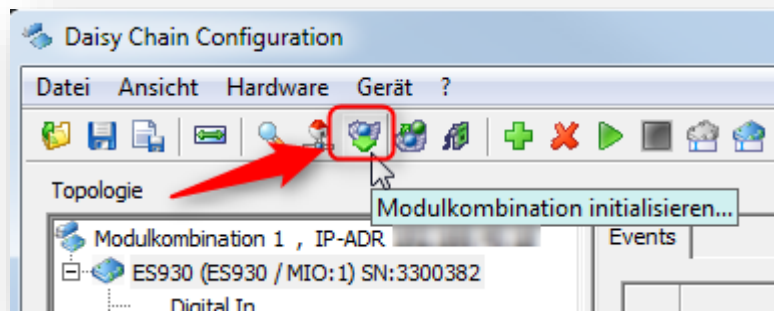
- Now the signals of the Daisychain are visible in INTECRIO

ATTENTION:

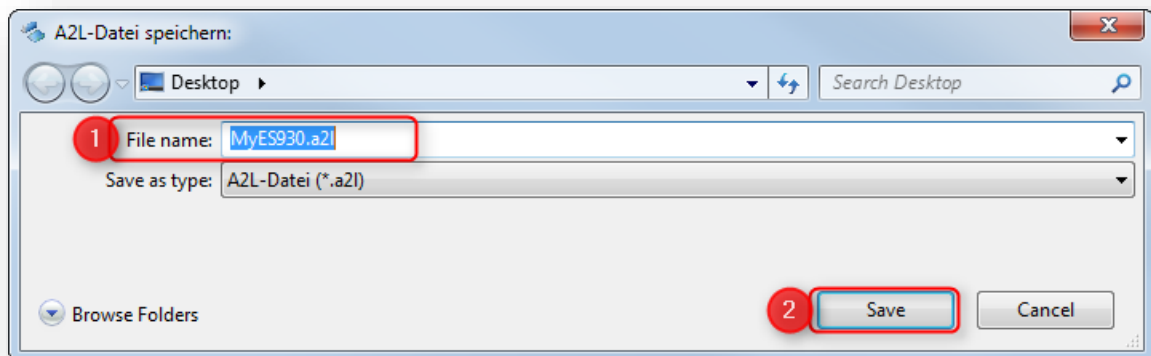
- Even if you see the Daisychain signals listed in INTECRIO now:
 - It does not mean that the Daisychain configuration is active on the connected hardware!
- **Initialize the ES930** to make the Daisychain configuration active:
 - Start the **Daisy Chain Configuration Tool**
 - See section **Additional information** below for instructions
 - In **Daisy Chain Configuration Tool > Menu bar > Hardware > Modulkombination initialisieren**



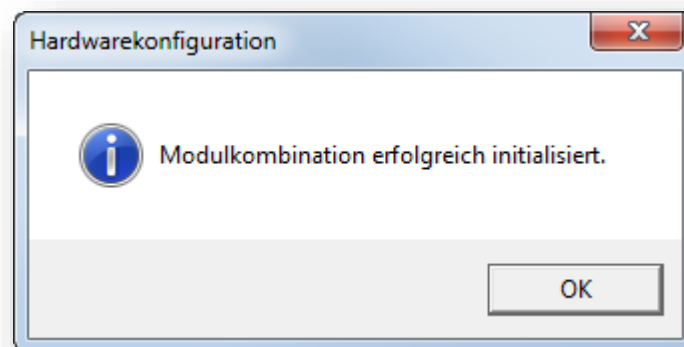
- Alternatively: In **Daisy Chain Configuration Tool > Tool bar > Icon Modulkombination initialisieren...**



- In dialog **A2L-Datei speichern**: Select location and **file name** for **a2l** file, then click button **Save**

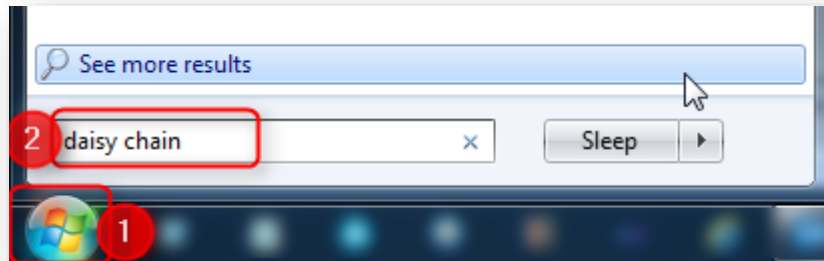


- In dialog **Hardwarekonfiguration**: Click button **OK**

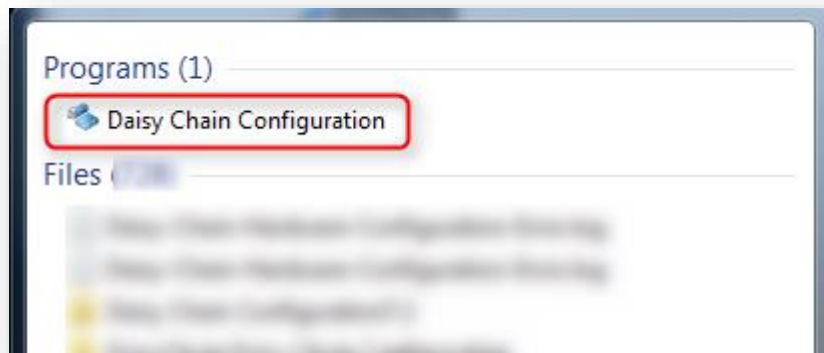


**Additional information:****How to create a Daisychain configuration file**

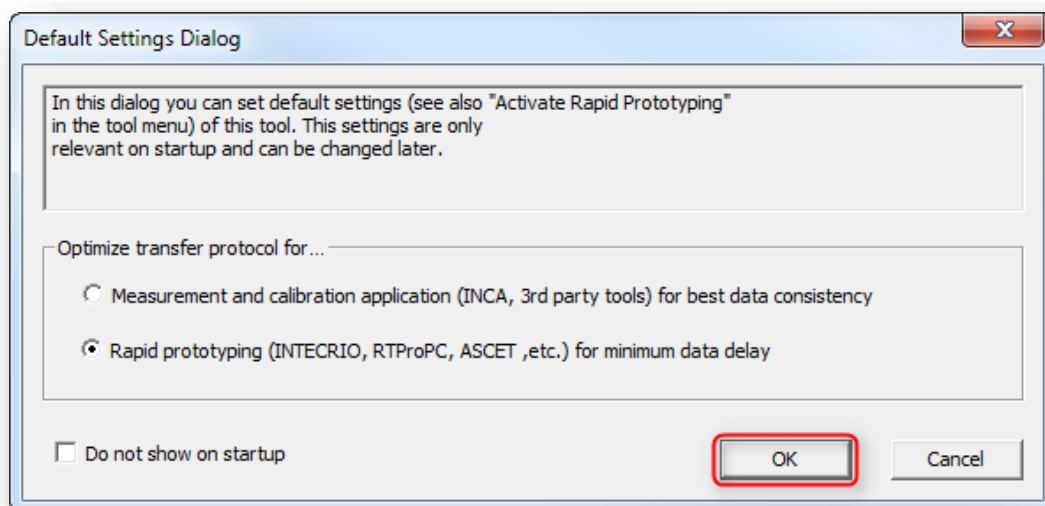
- Start the **Daisy Chain Configuration Tool**:
 - On Windows 7: Click on **Windows Start** icon ("1" in image below)
 - Then, in **search text field**: type "daisy chain" and hit **RETURN** key



- In search results, under **Programs**: Click on **Daisy Chain Configuration**



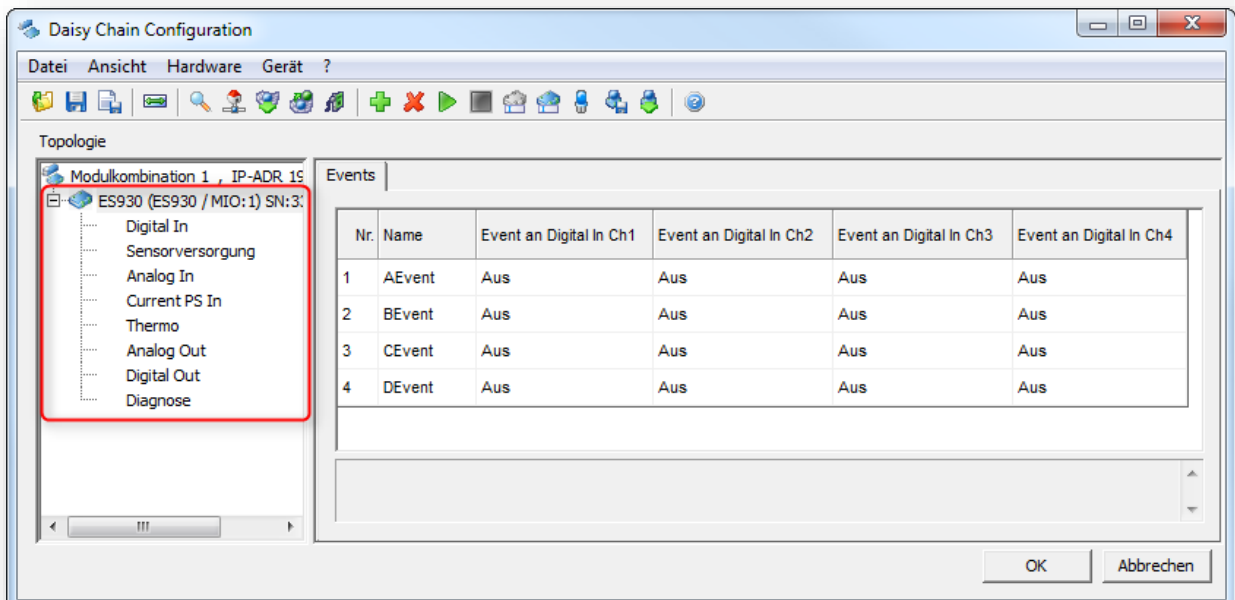
- In dialog **Default Settings Dialog**: Click **OK** button



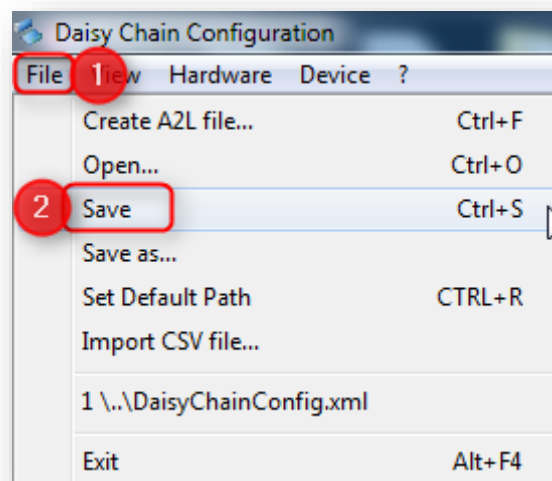
- In Daisy Chain Configuration tool: Click on icon **Search for Devices...** icon



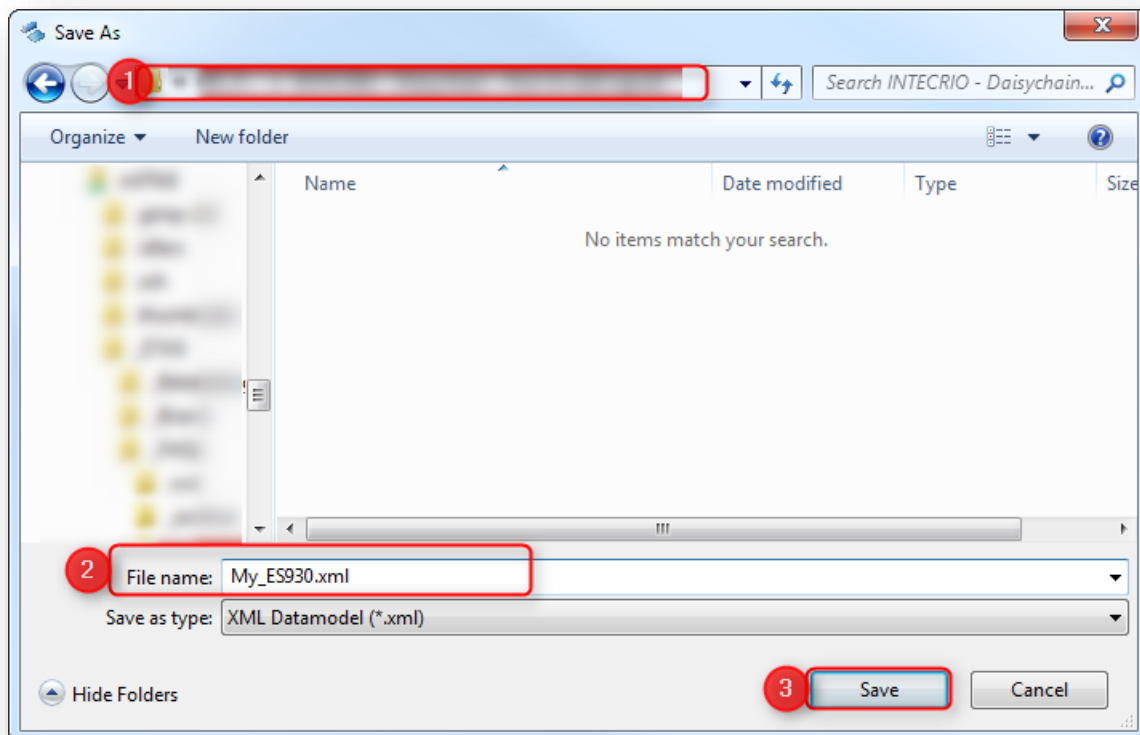
- Connected ES930 device is being detected



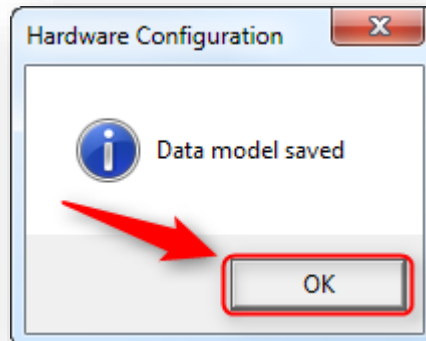
- In menu bar > File > Save



- In dialog **Save As**: Select path and file name, then click button **Save**



- Wait for dialog **Hardware Configuration, Data model saved**: Click button **OK**



- Now, you can import the generated file in INTECRIO as Daisychain configuration



Do you still have questions?

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- **Movies** corresponding to FAQ articles can be found on the [ETAS YouTube channel](#) as well
- Please feel free to contact our Support Center, if you have further questions.
- Here you can find all information: <http://www.etas.com/en/hotlines.php>

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