

Remote Configuration Quickstart guide

Getting started

Please start by unzipping the contents of the folder.

▶ RemoteConfigurator_v2.2 ∨ C		Zoeken in RemoteCon	Zoeken in RemoteConfigurat 🔎		
Naam	Gewijzigd op	Туре	Grootte		
🔁 Quickstart_Guide.pdf	25-4-2017 10:05	Adobe Acrobat D	420 kl		
🔽 RCT_Setup.exe	23-2-2018 11:25	Toepassing	1.629 k		
👩 Virtual COM port driver	1-5-2017 12:03	Internetsnelkoppe	1 k		

Please start the application-installer by double-clicking the RCT_Setup.exe. The install-wizard will now start.

🔽 Setup - Remote Configuration Tool 🛛 – 🗖 🔀
Select Destination Location Where should Remote Configuration Tool be installed?
Setup will install Remote Configuration Tool into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Users\ \AppData\Local\FW_RCT Browse
At least 5,2 MB of free disk space is required.
Next > Cancel

Follow the steps and choose which shortcuts you would like to create.



Fluidwell bv P.O. Box 6, 5460 AA, Veghel Voltaweg 23, 5466 AZ, Veghel The Netherlands

T: +31 (0) 413 - 343 786 **E:** displays@fluidwell.com www.fluidwell.com Trade Reg. No: 17120985 VAT No: NL8085.29.699.B.01 Bank: ING-Bank SWIFT Nr / BIC: INGBNL2A



Setup - Remote Configuration Tool	- 🗆 🗙
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Start M	1enu folder.
To continue, click Next. If you would like to select a different folder, click	Browse.
Remote Configuration Tool	Browse
< <u>B</u> ack <u>N</u> ext >	Cancel

🔽 Setup) - Remote Configuration Tool 💦 🗕 🔍
	Completing the Remote Configuration Tool Setup Wizard Setup has finished installing Remote Configuration Tool on your computer. The application may be launched by selecting the installed shortcuts. Click Finish to exit Setup. ✓ Launch Remote Configuration Tool
	Einish

Choose to launch the application when clicking "Finish" or start it from the Startmenu.

You now have the choice to "connect a device", or use the tool in "offline configuration" mode.



Fluidwell bv
 P.O. Box 6, 5460 AA, Veghel
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Offline Configuration

To use the tool in "offline configuration" mode, please select a device from the dropdown labelled "Model", and click the "Enter offline configuration" button. You will now be able to create a custom configuration for the selected device.

Remote Configuration Tool			
Default Config. Load Config.	Save Config.	Write to devic	e Read device
Current Device: no device connected	Status: no device conn	ected	About
НОМЕ			
Please connect your device to the communications bus model, revision and serial number. After correct identification, you have the possibility to lo to up- and download settings to and from the device. Click 'Port Setup' to change e.g. communications port, s By selecting Offline Configuration, you are able to create to your PC. Once you have succesfully connected your configuration and download it to the unit. To enter Offline Configuration, please select your model 'Enter offline configuration'. Factory defaults	ad and save a configuration speed, protocol and bus ad a custom configuration wi device, you can load your c	on your PC and dress. nich you can save ustom	Connect device Connect device Port Setup Read log data Restart device
Offline Configuration Product Series All E Series F Series Model EG EG EL Any revision ZL ZU		Factory Config.	Enter offline configuration Save Default
O ModMaster: Port not open Last Result	None		



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In the following example, the "Flowmeter" tab is shown. Each tab has a set of settings that can be changed, corresponding with the manual. You can go through the tabs, and change the settings that need to be changed.

		Remot	e Configu	ration Tool				
Current Device:	nfig. 🔒 L	oad Config. red	Status	Save Config. : values nee	d to be read fro	rite to device m or written	to the de	Read device
HOME Runtime Val	ues Total Flow F	ate Display	Flowmeter	Linearization	Analog Output	Pulse Output	Modbus	Others
Signal ONPN ONPN Low Pass	 Reed Reed Low Pass 	O PNP O PNP Low I	⊖Na Pass ⊖Co		● Coil Low ○ 8.2V dc	○ 24V dc		
Units (automatic) Hand	unit conversion) Auto volume	O Auto mass	5					
Unit ● L ○ m³	◯ US GAL ◯ I GAL	○ CF ○ Oil BBL	⊂ kg ⊂ tor		US ton			
K-Factor	Value =	1 pulses	5 / L					
Decimals K-Factor	01	O 2	○ 3		4	○5	06	
						Pre	vious page	Next page
0 ModMaste	r: Idle	Last Re	sult: None					

If you wish to save your custom configuration to your PC, you can select "Save Config.". You are then able to save the configuration to your PC.

If you want to load an existing configuration, you can choose "Load Config.". You can then select a previously saved configuration from your PC. To restore the values in the tool to the default configuration for the selected model, please choose "Default Config.".

Please note the "Write to device" and "Read device" buttons are disabled. They will be enabled when a device is connected.



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Connecting a device

Please make sure the device is connected to the PC. You will likely have to install the <u>"Virtual COM</u> <u>port driver"</u> (shortcut to download-page is included on this drive). This is required by Windows to recognize the FTDI chips that are used. Windows will then be able to detect and report the connection as a (virtual) COM port. To connect your device, open the "Port Setup" menu from the HOME-tab. The following window will pop up:

Port S	Setup 💌	Port Setup
Communication setup		Communication setup
COM-port: 🔄 show all	<< No port selected > 🗸	COM-port: Show all << No port selected > >
Bits per second:	9600 🗸	Bits per second: COM1
Data bits:	8 bits 🗸	COM3 Data bits: COM4
Parity:	None 🗸	Parity: COM8
Stop bits:	1 bit 👻	Stop bits: 1 bit 🗸
Release	Connect	Release Connect
Ports-list changed:		Ports-list changed: New port found: COM4
Status: Not connected.	Settings: 9600,N,8,1	Status: Not connected. Settings: 9600,N,8,1
Modbus setup		Modbus setup
Protocol	🔿 ASCII 💿 RTU	Protocol O ASCII O RTU
Slave address	1	Slave address 1
Number of tries	3	Number of tries 3
No response time-out	500	No response time-out 500
RTU time-out (msec, 0 for c	lefault) 20 📮	RTU time-out (msec, 0 for default)
	✓ <u>C</u> lose	✓ <u>C</u> lose

Then select the correct COM-port and speed setting. Please also select the protocol that the device uses. Default is RTU. Please make sure the RTU time-out is set to 20.

If you are unsure on which port the device is, you can see this by clicking the ports-dropdown before and after connecting your device. You will see which port got removed or added in the "Ports-list changed" field.



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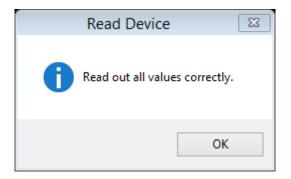
After selecting the correct settings, click the "Connect device" button on the HOME-tab (above the "Port Setup" button).

If you get the following notification, please check if the information entered in the "Port Setup" is compatible with the values found in the device (in the Modbus Communication menu).

Connect Device	ce 🛛 🕅
There was no de	evice found.
	ОК



Once successfully connected, you will get the following notification:



After this, the tool will read the current configuration from the device. When successful, you will see the pop up on the right.



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You will be returned to the HOME-tab.

		Remote Configu	ration Tool				
C Default Config.	Load	Config.	Save Config.	- w	rite to device	-	Read device
Current device: 15	39082/M0123/0	3:03:46 Status	: values were	read correctly	from the devi	ice.	About
HOME Runtime Values	Total Flow Rate	Display Flowmeter	Linearization	Analog Output	Pulse Output	Modbus	Datalogging 🔹 🕨
identify the model, re After correct identific your PC and to up- ar Click 'Port Setup' to c By selecting Offline Co you can save to your your custom configur. To enter Offline Conf revision, and click 'Ent	vision and serial nun ation, you have the Id download setting hange e.g. commur onfiguration, you are PC. Once you have ation and download guration, please sele	possiblity to load and s to and from the dev nications port, speed, i e able to create a cust succesfully connected it to the unit. ect your model and (if	save a configur ice. protocol and bu om configuratio your device, y applicable) firm	ration on us address. on which rou can load		Port S Release Read log Factory	device
Offline Configuration Model		Firmware revisio	n				
M0123	\checkmark	Any revision		\sim	Ent	er offline o	configuration
1 ModMaster: Ir	lla	Last Result: Succes	-	Fac	tory Config.	S	ave Default

From here you can either start configuring your device, restart your device by selecting the "Restart device" button on the right, or read log data (if supported by your device).

An updated configuration can be saved to your PC, or into the device. The "Save Config." button saves your custom configuration to your PC. You are free to select a location for the file to be saved. The "Write to device" button writes your configuration into the device.



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Reading logdata

When your device supports datalogging, it is possible to read and export this data using the Remote Configuration Tool. When selecting the "Read logdata" button on the HOME-tab, the following window will appear:

	Remote Configuration	Tool - Logdata		
Select a log list to << select >> Runtime Interva	✓ Read date	ata	<u>S</u> ave log data	¢.
- Runtime Daily - Events	İ			^
				Ŧ

First, select the list you would like to read from the dropdown box labelled "Select a log list ...". Once you have selected a list, click the "Read data" button to start reading the log data.



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After the data has been read, you can save this to your PC. It will be saved as a .csv file, that you can import into, or open with MS Excel.

Runtime Daily	~	Read data		Save log o	data	
## read;LOGNR;	YYYY-MM-DD	HH:MM:SS;FLOW	RATE;	TOTAL;	ACC.TOTAL;	
0000164;00164;	2016-06-27	08:00:00;	0;	0;	0;	1
0000165;00165;	2016-06-27	18:00:00;	0;	0;	0;	
0000166;00166;	2016-06-28	08:00:00;	0;	0;	0;	
0000167;00167;	2016-06-28	18:00:00;	0;	0;	0;	
0000168;00168;	2016-06-29	08:00:00;	0;	0;	0;	
0000169;00169;	2016-06-29	18:00:00;	0;	0;	0;	
0000170;00170;	2016-06-30	08:00:00;	0;	0;	0;	
0000171;00171;	2016-06-30	18:00:00;	0;	0.0;	0.0;	
0000172;00172;	2016-07-01	08:00:00;	0;	0.0;	0.0;	
0000173;00173;	2016-07-01	18:00:00;	0;	0.0;	0.0;	
0000174;00174;	2016-07-02	08:00:00;	0;	0.0;	0.0;	
0000175;00175;	2016-07-02	18:00:00;	0;	0.0;	0.0;	
0000176;00176;	2016-07-03	08:00:00;	0;	0.0;	0.0;	
0000177;00177;	2016-07-03	18:00:00;	0;	0.0;	0.0;	
0000178;00178;	2016-07-04	08:00:00;	0;	0.0;	0.0;	
0000179;00179;	2016-07-04	18:00:00;	0;	0.0;	0.0;	
0000180;00180;	2016-07-04	08:00:00;	0;	0.0;	0.0;	
0000181;00181;	2016-07-04	18:00:00;	0;	0.0;	0.0;	
0000182;00182;	2016-07-05	08:00:00;	0;	0.0;	0.0;	
0000183;00183;	2016-07-05	18:00:00;	0;	0.0;	0.0;	
0000184;00184;	2016-07-06	08:00:00;	0;	0.0;	0.0;	
0000185;NO REC	ORD FOUND					



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The device also saves a number of different events. In the image above some event codes are listed.

3	Remote Co	onfiguration Tool	- Logdata	[23
Select a log lis Events	t to read:	Read data		<u>S</u> ave log data		¢
Readout of		D HH:MM:SS;EVENT /n 1539082 at 203 this list.			EW VALUE;	^
0000001;000 0000002;000 0000003;000 0000004;000 0000005;000 0000006;000	001;2000-01-0 002;2000-01-0 003;2000-01-0 004;2000-01-0 005;2000-01-0 006;2000-01-0	D HH:MM:SS;EVENT 1 00:00:00;FACTOR 1 00:00:24;RESTAR 1 00:00:27;TOT CI 1 00:00:57;VAR BU 1 00:01:03;VAR BU 1 00:01:28;VAR DI 1 00:01:59;RESTAR	RY; RT; LR; JS;00120;000 JS;00120;000 IS;00033;000	0001438;00	00001433; 00001434;	
	dout: Events	- 1539082 - 2017 : 0	-02-09 13:41	:26		:
						V

Possible events:

FACTORY	Factory defaults
RESTART	Restart
ERRORS	Error
VAR BUS	Variable changed via communication
VAR DIS	Variable change via menu/display
TOT CLR	Total cleared



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