

B3100 Series Remote Configuration Quick Start Guide

Getting Started

- 1. Unzip the contents of the folder.
- 2. Start the application by double-clicking **RemoteConfiguration.exe**. You now have the choice to connect a device, or use the tool in offline configuration mode.

	Ren	note Configuration Tool	~ C	Zoeken in Remo	te Configurat 🔎
	^	Naam	Gewijzigd op	Туре	Grootte
1		RemoteConfiguration.exe	8-9-2015 16:21	Toepassing	1.516 kB

Offline Configuration

To use the tool in offline configuration mode, select a device from the drop-down menu labelled Model and click the Enter offline configuration button. Create a custom configuration for the selected device.

	Remote	e Configuration Tool		
Default Config.	Load Config.	Save Config.	Write to device	Read device
Current Device: no device	detected	Status: no device detected		About
OME				
Please connect your device to identify the model, revision an After correct identification, yo your PC and to up- and down Click 'Port Setup' to change e By selecting Offline Configurat you can save to your PC. Onc	the communications lo diversal number. Unave the possibility t load settings to and fro .g. communications po ion, you are able to cr e you have succesfully	bus and click 'Connect Device' to o load and save a configuration on om the device. rt, speed, protocol and bus address. eate a custom configuration which connected your device, you can loa	d C	Port Setup Connect device
your custom configuration and To enter Offline Configuration revision, and click 'Enter offling	d download it to the un , please select your mo e configuration'.	nit. odel and (if applicable) firmware	F	Read log data
		Restart device		Factory reset
Offline Configuration				
Model MO123	✓ Any i	vare revision vevision v	Enter	offline configuration
			Factory Config.	Save Default
0 ModMaster: Idle	Last Res	sult: None		





In	the following exa	mple, the <i>Flowmet</i>	er tab is shown.	Each tab has s	ettings that can	be changed.
	J				J	· · · · J · · ·

C	Default Confi	g.	- La	oad Co	onfig.			Save Config		W	rite to de	evice		Read device
Curre	ent Device: r	no devi	ce detect	ed		5	Status	: values ne	ed to be	read fro	m or wr	itten t	o the de	vi About
OME	Runtime Value	es Tot	al Flow R	ate	Display	Flow	meter	Linearizatio	n Analog	0 Output	Pulse O	utput	Modbus	Others
Signal	N (N Low Pass (C Reed	Low Pass	O PI O PI	NP NP Low	Pass	⊖ Na ⊖ Co	mur íl High	Coil L 08.2V	ow dc	○24V	dc		
Units O Har	(automatic un	nit conv Auto	ersion) volume	⊖ A	uto mas	s								
Unit O L O m ³		⊖ US G ⊖ I GAL	AL.	0 a	F II BBL		⊖ kg ⊖ to	n	⊖ lb ⊖ US to	n				
K-Fac	tor		'alue =		1 pulse	s/L								
Decin	nals K-Factor	01		0 2			⊖3		0 4		⊜5		06	

To save your custom configuration to your PC, select **Save Config**.

To load an existing configuration, choose **Load Config** and select a previously saved configuration from your PC. To restore the values in the tool to the default configuration for the selected model, choose **Default Config**.

The Write to device and Read device buttons are disabled until a device is connected.

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Connecting a Device

- 1. Make sure the device is connected to the PC.
- 2. To connect the tool to a device, enter the *Port Setup* by clicking **Port Setup** on the *HOME* tab.

Ţ	Remote	Configuration Tool		
Default Config.	Load Config.	Save Config.	Write to device	Read device
Current Device: no device	detected	Status: no device detected		About
IOME				
Please connect your device to identify the model, revision ar After correct identification, yo	o the communications b nd serial number. Ou have the possiblity to	us and click 'Connect Device' to	A	Port Setup
Click 'Port Setup' to change e By selecting Offline Configurat you can save to your PC. Onc	ioad sectings to and no e.g. communications por tion, you are able to cre te you have succesfully	rif the device. t, speed, protocol and bus address. rate a custom configuration which connected your device, you can loa	d	Connect device
your custom configuration and To enter Offline Configuration revision, and click 'Enter offlin	d download it to the un , please select your mo e configuration'.	it. del and (if applicable) firmware		Read log data
		Restart device		Factory reset
Model	Firmw	are revision		
	✓ Any r	evision v	Enter	offline configuration
			Factory Config.	Save Default
0 ModMaster: Idle	Last Res	ult: None		

The following window pops up:

¢.	Port Se	tup		8
- Communication	setup			
COM-port: [show all	COM8		~
Bits per second	t:	9600		~
Data bits:		8 bits		*
Parity:		None		~
Stop bits:		1 bit		~
	Release		Connect	
Ports-list chang	jed:			
Status: Connec	ted.	Settings: 96	500, N, 8, 1	
Modbus setup				
Protocol		🔘 ASCII	🖲 RT	υ
Slave address			1	•
Number of tries			1	•
No response tir	me-out		500	•
RTU time-out (i	msec, 0 for de	efault)	20	•
			✓ <u>C</u> lose	

- 3. Select the COM-port.
- 4. Select the speed setting.
- 5. Select the protocol that the device uses. The default is RTU.
- 6. Make sure the RTU time-out is set to 20.
- 7. Click **Connect device** on the *HOME* tab, above the *Port Setup* button.

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



When the device is successfully connected, this notification displays:

	Connect D	evice	23
Fou Seri Ver Rea	ind a device! alnumber: del: sion: d current conf	1539082 MO123 03:03:46 iguration from devic	e?

Then the HOME tab displays.

5				Remo	te Configu	ration Tool				
C	Default Config.		Load (Config.		Save Config.	🔶 w	rite to device	-	Read device
Cun	rent device: 153	9082/	M0123/03	:03:46	Status	: values were	read correctly	from the dev	ice.	About
IOME	Runtime Values	Total	Flow Rate	Display	Flowmeter	Linearization	Analog Output	Pulse Output	Modbus	Datalogging 4
Click ' By se you c your ' To er revisi	Port Setup' to ch lecting Offline Cor an save to your P custom configurat nter Offline Config on, and click 'Enter the Configuration -	nfigurat C. Onc cion and uration er offline	.g. communi ion, you are e you have s d download i , please sele e configurati	able to d succesful t to the ct your r on'.	vort, speed, p reate a cust y connected unit. nodel and (if	orrotocol and bi om configuratis your device, y applicable) firm	us address. on which ou can load nware tart device		Release Read log Factory	device) data / reset
Мо	del			Firm	ware revision	n				
МО	123		~	Any	revision		\sim	Ent	er offline (configuration
							Fac	tory Config.	S	ave Default

From the *HOME* screen, you can:

- Start configuring your device
- Restart your device by selecting the **Restart device** button on the right
- 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.

Reading Log Data

If your device supports datalogging, you can read and export this data using the *Remote Configuration Tool*. Select **Read logdata** on the *HOME* tab to display the *Logdata* window:

K	Remote Cor	figuration Tool - I	Logdata	
Select a log list to << select >> Runtime Interva		Read data	Save lo	ig data
- Runtime Daily - Events	44			^
				~

- 1. Select the list to read from the drop-down menu labelled Select a log list ...
- 2. Click Read data.

Remote Co	onfiguration To	ol - Log	data		x
Select a log list to read:					dia ana ana ana ana ana ana ana ana ana a
Runtime Daily 🗸 🗸	Read data		🛛 🔚 🛛 Save log da	ata	r
## read;LOGNR;YYYY-MM-D	D HH:MM:SS;FLO	WRATE;	TOTAL;	ACC.TOTAL;	
0000164;00164;2016-06-2	27 08:00:00;	0;	0;	0;	~
0000165;00165;2016-06-2	27 18:00:00;	0;	0;	0;	
0000166;00166;2016-06-2	28 08:00:00;	0;	0;	0;	
0000167;00167;2016-06-2	28 18:00:00;	0;	0;	0;	
0000168;00168;2016-06-2	29 08:00:00;	0;	0;	0;	
0000169;00169;2016-06-2	18:00:00;	0;	0;	0;	
0000170;00170;2016-06-3	30 08:00:00;	0;	0;	0;	
0000171;00171;2016-06-3	30 18:00:00;	0;	0.0;	0.0;	
0000172;00172;2016-07-0	1 08:00:00;	0;	0.0;	0.0;	
0000173;00173;2016-07-0	1 18:00:00;	0;	0.0;	0.0;	
0000174;00174;2016-07-0	2 08:00:00;	0;	0.0;	0.0;	
0000175;00175;2016-07-0	2 18:00:00;	0;	0.0;	0.0;	
0000176;00176;2016-07-0	3 08:00:00;	0;	0.0;	0.0;	
0000177;00177;2016-07-0	3 18:00:00;	0;	0.0;	0.0;	
0000178;00178;2016-07-0	4 08:00:00;	0;	0.0;	0.0;	
0000179;00179;2016-07-0	4 18:00:00;	0;	0.0;	0.0;	
0000180;00180;2016-07-0	4 08:00:00;	0;	0.0;	0.0;	
0000181;00181;2016-07-0	4 18:00:00;	0;	0.0;	0.0;	
0000182;00182;2016-07-0)5 08:00:00;	0;	0.0;	0.0;	
0000183;00183;2016-07-0)5 18:00:00;	0;	0.0;	0.0;	
0000184;00184;2016-07-0	6 08:00:00;	0;	0.0;	0.0;	
0000185;NO RECORD FOUNI)				
End of readout: Runtime	e Daily - 15390	82 - 201	7-02-09 13:36:	22	
Total number of retries	s: 0				
					× .

3. Click **Save log data** to save the list to your PC as a .csv file that you can import into—or open with—a spreadsheet program.

Remote Configuration Tool - Logdata 📃 💷	88
Select a log list to read: Events Read data	¢*
<pre>## read;LOGNR;YYYY-MM-DD HH:MM:SS;EVENT ;REGNO; OLD VALUE; NEW VALUE; Readout of Events for s/n 1539082 at 2017-02-09 13:41:25 There are 7 records in this list.</pre>	^
<pre>## read;LOGNR;YYYY-MM-DD HH:MM:SS;EVENT ;REGNO; OLD VALUE; NEW VALUE; 0000001;00001;2000-01-01 00:00:7ACTORY; 0000002;00002;2000-01-01 00:00:24;RESTART; 0000003;00003;2000-01-01 00:00:27;TOT CLR; 0000004;2000-01-01 00:00:57;VAR BUS;00120;0000001438;0000001433; 0000005;00005;2000-01-01 00:01:03;VAR BUS;00120;0000001433;0000001434; 0000006;00006;2000-01-01 00:01:28;VAR DIS;00033;000000000;000000002; 0000007;00007;2000-01-01 00:01:59;RESTART; 0000008;NO RECORD FOUND</pre>	
End of readout: Events - 1539082 - 2017-02-09 13:41:26 Total number of retries: 0	
	~

The device also saves a number of different events. Possible events are:

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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