

Operating Manual – Configure Software



Document ID MANUAL-1899207337-25 Date: August 2022

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1 Introduction

Valeport Configure is a generic program developed to operate with a number of Valeport Instruments; a specific module being loaded for each.

This manual describes version 2.0.65 onwards, if you have an earlier version it is recommended to upgrade to the latest version in order to benefit from the latest functionality. In addition to improvements in performance version 2.0.65 also introduces software version monitoring to help you keep up to date with the latest developments of both Configure Software and the Instrument modules.

Configure can be downloaded from https://valeport.download

Valeport Configure can be used with the following instruments, both serial and ethernet enabled instruments can be configured:

- Hyperion
- uvSVX
- uvSVP
- Bathy2
- minilPS2
- Type 804 and Type 804 ExP
- Type 810 and Type 812

1.1 Limitations

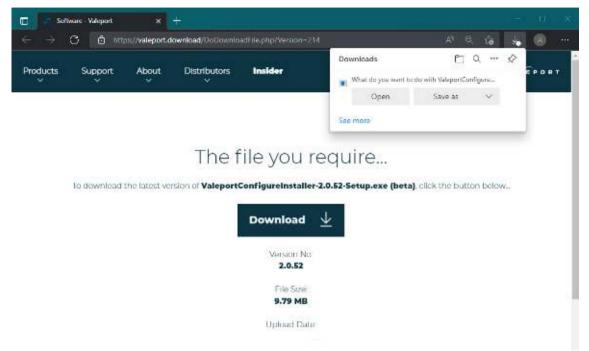
There is no data collection or recoding available.

Data can be 'copied' from the terminal window and then 'pasted' into another package for analysis.

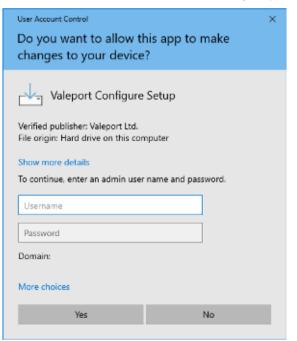


2 Installation

Download the software from https://valeport.download



Follow the directions on screen. You may require additional IT support to do this.







Continue to follow the on-screen instruction, select a new destination folder if required:

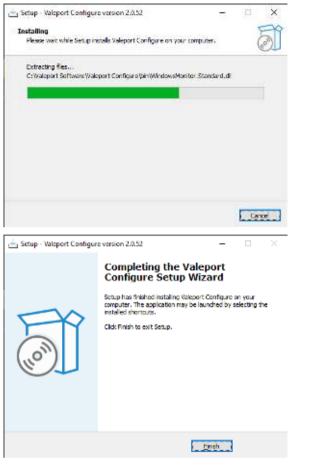
-	i.	X
		P
		Ø
wing faider.		
ent folder, did	Drowse.	
	Browse	612
10		
	wing folder. ent folder, did	ent folder, old: Drowse.

<u>N</u>ext

Select a desktop icon if required:

Select Additional Tasks Which additional tasks should be perfo					
the second s	med?		đ		
Select the additional tasks you would it Configure, then click Next.	ke Setup to perform wh	de installing Vale;	kirt		
Additional shortouts:					
Create a desktop shortout					
	<u>ti</u> edt	Nest	Cancel		
Next					
_					
Setup - Valeport Configure version 2/	0.52	Π.			
Ready to Install			FR		
Setup is now ready to begin installing v	Valeport Configure on y	our computer.	I		
262.220 1	ation, or dick Dack if yo	u want to review	or		
Click Install to continue with the instals change any settings.					
change any settings. Destination location:			1		
change any settings.	antigure				
change any settings. Destination location: C:Waleport Software/Waleport Co Additional fedeo: Additional shortcuts:	antigure		*		
change any settings. Destination location: C:Waleport Software/Waleport Co Additional fedeo: Additional shortcuts:	nnfaure		* *		
change any settings. Destination location: C:Waleport Software/Waleport Co Additional facto: Additional shortcuts:			4 3		
change any settings. Destination location: C: Wateport Software/Wateport Co Additional Index: Additional Indexis:	infigure <u>End</u> t	Jistel	s 3 Cent		





If selected a short cut will be placed on your desktop:





3 Software Settings - Set Up

On a primary installation, that is, no existing installation on the PC, click on the Set-Up Icon

You will be presented with the following screen,

	t.number [Scrial			- 5 x
Instrument(s)	č				
Valeport Water					
 Hyperion 	1.0.1	Internet			
Туре 804 - ГВ	1.0.1	internet	Install		
Type 804	1.0.1	Internet	risian		
Type 810 Valeport	1.0.1	internet	Install All		
✓ miniiPS2	1.0.1	Internet			
uvSVX	1.0.1	internet			
Load From File				Uninstati Ali	Update All
Software					

Select the instruments you will use with Configure from the left-hand window and click Install, alternatively install all:

Instrument(s)					
Valeport Water					
Hypenco	101	internet			
Type: 804 - Fill	101	internet	105131		
Type 504	1.0.1	Internet	and the second s		
Type 510	1.0.1	Internet.	Install All		
Valeport			015298.091		
miniP82	1.0.1	Internet			
	1.0.1	Internet			
UVSVX					
UVSVX				UD OT BALLAD	Update At
				JOINT SEE AF	LIPSIC AT
I nad Finn Fik				LINE(SEE A)	LIPSON AT

Once installed the right-hand window will look like this:

Valeport	
Hyperion	1.0.1 🔵
minilPS2	1.0.1 🔵

The Hyperion and miniIPS2 modules are up to date as shown by the green indicators



After the initial installation, if you are on-line, you will be notified of any updates to an instrument module; there are indicators to help identify those files that need to be updated.

Valeport Hyperion miniIPS2 uvSVX	1.0.1 1.0.1 1.0.1	file file file	Install	Valeport Hyperion miniIPS2	A Green India signifies that Instrument Mode up to A Red India signifies that t	t the ule is date	1.0.1
Valeport Water Type 804 - FR	1.0.1	file	Install All		is an update avai	lable	
Type 804	1.0.1	file					
Type 810	1.0.1	file					
Load From File	sent a zip f	downloaded o ile with new In ick here to loa	strument	U	ninstall All	Upd	ate All
Software							
Check for updates no			figure Software			1.1	Close

3.1 Manually Load a .json File

If you are not 'on-line' you can update the Instrument Modules manually – they will have a .json extension. There are .json files of all the Instrument Modules available on Valeport.Download. Equally a .json file could be emailed to you or downloaded prior to going to the field.

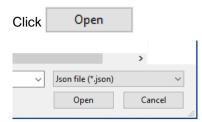
Similarly, Valeport can supply special Modules should that be necessary.

When you receive a .json file first, save it to a local directory. In the example that follows - Bathy2.json.

Click Load From File find the required .json file and selected it. Note, be sure to select .json from the file type dropdown list, bottom right

	Po	rt Settings					0
	Connection to Post contrib	1. Contraction of the local sector of the loca					
	2 Wikase Configura-Lada						
)	Instrument(s)						
	Valeport Varier Sector/2 Hypositer position - Hit	100 oftens 101 oftens 101 oftens	nstal	Valeport Hyperan mintPS2	101 G 101 G		
	yse 804 yse 810 Valéport refetES2	d Open ← → ← † <mark>5</mark> .) Organne – Newtadae	+ Caktoy +	Configuração e tamén	e.	6 ,P sad	Companyor Ho En • El • Ø
	Load From Fild	d Gool area h Solgerorak	1	riana In Arlande kon In Debydjich	Done modified Anticipited 1917 don to do do do do do do Anticipited 1918	Type E.O.M.The E.O.M.The F.O.M.The	354
	Software	🔛 Saansen 🏊 LoosiBik (C)	* *	E Paro na par	Second Lines		He print.
	Flees for nothing to						
				(
		Tierace	sulayizlar			i v limte)o Geografi	wei – – – – – – – – – – – – – – – – – – –





This will copy the .json file so it is available in the Instrument(s) options window:

		×
Bathy2 1.0.0 internet Hyperion 1. Hyperion 1.0.1 internet Hyperion 1. Type 804 - FR 1.0.1 internet Install Type 804 1.0.1 internet Install Type 810 1.0.1 internet Install Valeport Install All Install All Valeport Install All Uninstall All Valeport Uninstall All Update		
Hyperion 1.0.1 internet Type 804 - FR 1.0.1 internet Type 804 1.0.1 internet Type 810 1.0.1 internet Valeport Install All winilPS2 1.0.1 uvSVX 1.0.1 John Stall All Load From File		
Type 804 - FR 1.0.1 internet Type 804 1.0.1 internet Type 810 1.0.1 internet Valeport miniIPS2 1.0.1 internet uvSVX 1.0.1 internet Valeport UvisvX 1.0.1 internet UvisvX 1.0.0 custom Load From File Uninstall All Uninstall All Uninstall All Uninstall All Uninstall All Uninstall All Uninstall All Uninstall All Uninstall All	.0.1	•
Type 804 1.0.1 internet Type 810 1.0.1 internet Valeport Install All minilPS2 1.0.1 internet uvSVX 1.0.1 internet ✓ Bathy2 1.0.0 custom	.0.1	•
Type 804 1.0.1 internet Type 810 1.0.1 internet Valeport miniIPS2 1.0.1 internet uvSVX 1.0.1 internet ✓ Bathy2 1.0.0 custom Load From File Uninstall All Update		
Valeport Install All minilPS2 1.0.1 internet uvSVX 1.0.1 internet ✓ Bathy2 1.0.0 custom		
Valeport minilPS2 1.0.1 uvSVX 1.0.1 internet ✓ Bathy2 Load From File Uninstall All Update		
uvSVX 1.0.1 internet ✓ Bathy2 1.0.0 custom Load From File Uninstall All Update		
V Bathy2 1.0.0 custom Load From File Uninstall All Update		
Load From File Uninstall All Update		
Software	All	
Software		
Check for updates now C	lose	

Select the 'custom file' (shown as ticked ✓ above) and then Click Install.

Instrument(s)					
Valeport Water]	Valeport	
Bathy2	1.0.0	internet		Bathy2	1.0.0
Hyperion	1.0.1	internet		Hyperion	1.0.1
Type 804 - FR	1.0.1	internet	Install	minilPS2	1.0.1
Type 804	1.0.1	internet	mətan		
Type 810	1.0.1	internet	Install All		
Valeport			Install All		
minilPS2	1.0.1	internet			
uvSVX	1.0.1	internet			
Bathy2	1.0.0	custom			
Load From File				Uninstall All	Update All
Check for updates not	N				Close

The file will now be available to use:



3.2 Check for Configure App Update

Clicking on Check for updates now:, when on line will check the installed version against the latest available from Valeport.Download. If it is up to date you will be informed:

Software
Installed version 2.0.52 is the latest.
Check for updates now

If there is an update you will be presented with the following window:

Valeport Configure ver. 24	152 - Update	7	ш	×
Version 2.0.54 is ready	to Install.			
Auto Update	Go to download page	Mute curre	unt unde	

Auto Update the software will be loaded onto your PC leaving your existing Instrument modules in place

Go to download page you will be taken to the Valeport.Download site where you can download the software manually and install at your leisure.

Mute current update if you would rather not load the new version you can 'mute' the upload for 7 days after which you will be informed again as shown below:

Valeport Water				Valeport		
Hyperion	1.0.1	internet		Hyperion		1.0.1
Type 804 - FR	1.0.1	internet	In stall	minilPS2		1.0.1
Type 804	1.0.1	internet	Install			
Type 810	1.0.1	internet				
Valeport			Install All			
minilPS2	1.0.1	internet				
uvSVX	1.0.1	internet				
Load From File				Uninstall All	Upd	ate All
Software						
	. 2.0.55					
Muted Installer Version						
Software	. 2.0.55					



4 Setting Up the Software

On running up the software you will be presented with the following Interfacing window.

By default, the software will be set to serial, the port number and baud rate used in your last session

😳 Valeport Configure 2.0.52								×
	Port S	Settings						۵
	nnection type: Port number: Baudrate:	Serial COM8 19200	<!--</th--><th>Port Settings</th><th>Softwar Instrument Module S</th><th></th><th></th><th></th>	Port Settings	Softwar Instrument Module S			
Toggle switch to show\hide advanced Port settings	Parity: Data Bits: Stop Bits: Handshake:	None 8 One None	> > > >	Advanced Port Settings				
Use evaluatio	on config files: Instrument:	Load Defa	iults	Alternative Instrument Module Site (not monitored for updates)	Drop down menu to select the Instrument to be configured	D		
	Offline Mode:	Connec	t	Select to enter the software with no instrument connected				
						_	_	_

Set your COM port as required.

Use the drop-down menu to select your instrument, only those installed from the software and Instrument Module dialogue will be shown.

Click on the Connect button to interface to the instrument and enter the software.

Should there be an issue with the connection or the baud rate, after a short delay you will be presented with the following screen. Investigate the issue and try again:

😳 Valeport Configure 2.0.52	Instrument: Hyperion		×
	Port S	Gettings	0
	Connection type:	Serial	
	Port number;	COMB	
	Baudrate:	19200 -	
•			
	Instrument.	Hyperion v	
	Offline Mode:	D	
		Instrument not intempted. Please check Comport and Baud rate. Connect	



If you have no instrument connected to the software you can still enter the Configurator by ticking the Offline Mode box.

	-	
Instrument:	Hyperion	~
Offline Mode:	\checkmark	

In Offline Mode it is possible to set up a 'Profile' settings file of all the generic editable settings, but nothing specific to an instrument such as serial number, calibrations dates or site information. This file can then be loaded into sets of instruments to insure they all have identical setups.

4:4	Valeport Configure 2.0.78	Instrument configuratio	on: Hyperion		0 	×
File	Open Profile Save Profile	ATIONS SAMPL	ING			
	Save Profile As					
	Save Snapshot Close Configuration Exit	rion Parameter Serial Number	Sulforhodamin 75100	e B 🔽		
	F	irmware Version	0903707A12 Feb	8 2021 15:59		
	PC	B Serial Number	1012523			
		Calibration Date	5;2;21			
		Site information	valeport tests			
						8
\$P	/HY2,90,9,0.203,,ppb,,,,M1,*24 /HY2,90,9,0.159,,pb,,,,M1,*28 /HY2,90,9,0.163,,ppb,,,,M1,*21					
\$P >	/HY2,90,9,0.155,,ppb,,,,M1,*24					
	Enable Timestamp					

Save the profile and use it in the future to set up instruments identically.

Open a Profile to load the settings into the software and then upload the settings into the instrument with the Update Instrument button



4.1 Snapshot

-0- -0-	Valeport Configure 2.0.78	Instrument configuratior	: Hyperion				_	×
File								
	Open Profile	ATIONS SAMPLIN	IG					
	Save Profile							A
	Save Profile As	_						
	Save Snapshot	rion Parameter	Sulforhodamine B	~				
	Close Configuration Exit	Serial Number	75100					
		irmware Version	0903707A12 Feb 8 202	21 15:59				
	PC	B Serial Number	1012523					
		Calibration Date	5;2;21					
		Site information	valeport tests]		
								٧
	UV20000167 M1*25							
	/HY2,90,9,0.167,,ppb,,,,M1,*25 /HY2,90,9,0.158,,ppb,,,,M1,*29							
	/HY2,90,9,0.195,,ppb,,,,M1,*28 /HY2,90,9,0.124,,ppb,,,,M1,*22							
>	τητε, 56, 5, 6, τε 4, βρο _{μα} (θη, 22							Y
E	Enable Timestamp							
	RUN	Configure for	or EnviroLog	Read Instrument	Update Instrument		Back	
_		5						
Clic	k Save Snapshot	to record	a text file with	all the settings r	ecorded.			



4.2 Ethernet Interface

The software can also be used in Ethernet protocol by using the drop-down menu option

😳 Valeport Configure 2.0.52					0	×
	Port S	Settings				0
	Connection type:	Serial	(v)			
	Port number:	Serial Ethernet				
	Baudrate:	19200	(v)			
9						
	Instrument;	1	[v]			
	Offline Mode:	Ċ.				
		Connect				

Edit the IP Address and Port as required:

😳 Valeport Configure 2.0.52		- 0	×
Port S	Settings		¢
Connection type: IP Address:	Ethernet 🗸		
Port:	23		
Instrument: Offline Mode:			
	Connect		

Software Operation 5

Once interfaced to the instrument you will be presented with the specific controls for that instrument. In the example below, a Hyperion. For details of a particular instrument you should refer to that specific manual.

	Setting grouped			
ormation Communications Sampling	Setting grouped in tabs			
Communications				
Baud Rate	19200bps 🗸			
Address Mode				
Instrument Address Address Mode	10 - Instrument settir OFF - can be configure			
Aodbus RTU				
fodbus RTU Modbus Enabled	OFF V			
	OFF			
	OFF		T.	
Modbus Enabled	OFF		Terminal	
Modbus Enabled	OFF		Terminal window	
Open Close the terminal window to see comms	OFF			
Open Close the terminal window to see comms	OFF			
Open Close the terminal	OFF	/		

There are function buttons across the bottom of the window, some are common to all instruments and some are specific to the instrument selected.

- Once in the software, click on the Read Instrument button to download the existing settings •
- If you change any settings click on the Update Instrument to up load the new setting(s) •
- Any special function buttons will appear here, in this example Configure for EnviroLog •
- Once configured set the instrument to run mode • after a watchdog period the instrument will return to run mode automatically •
 - Back button will return you to the Interfacing window The

If you hold the mouse over the label for a particular setting, a help window will appear. In the example below, Baud Rate.

	t configuration: Hypenon	- 0	×
	S SAMPLING		
COMMUNICATIONS			
Ba	ud Rate 19200bps Y		
Address Mode	Sct Instrument Baud Rate 2400, 4800, 9600, 19200, 115200 or 230400		
Instrument / Addres			
Modbus RTU			
Modbus I	Enabled OFF V		
	Enabled OFF v		
) 87.90/2022 13.51/201 [0.9992 Ha] 87.90/2022 13.51/201 [1.Hz] 87.94 87.9	Enabled OFF v 2500.9.0.183.ppbM1-2F 290.9.0.183.ppbM1-27 2.303.0.163.ppbM1-21 2303.0.163.ppbM1-21 230.9.0.137.ppbM1-21		
) 08/90/2022 13:51:03 (0.999 Hz) 08/90/2022 13:51:03 (1 Hz) 58/90/2022 13:51:04 (0.990 Hz) 58/90/2022 13:51:04 (0.991 Hz)	2,90,9,0,182,,ppb,,,M1,-24- 2,90,9,0,182,,ppb,,,M1,-24- 2,90,9,0,156,,ppb,,,M1,-27- 2,90,9,0,162,pb,,,M1,-21		

Enable Timestamp select the Enable Timestamp option to include a timestamp on each line of data



If you change a setting, the label will become bold as will the Tab label. In the example below, the Instrument Address setting label and the Communications Tab title.

C Weigent Carrigane 2.0.52 Instrument: Hypercen				-	13	\times
le.						
nformation Communications Sampling						
Communications						*
Baud Rate	19200bps 👻					
Address Mode						
Instrument Address	10 4					
Address Mode	O New:					
Modbus RTU	10 instrument 20					
Modbus Enabled	OFF Y					
)						
#701						а.
#701 09 #040						
MT						
Enable Timestamp	Contigure for EnviroLog	Read Instrument	Update Instrument	Back		Ē.

If you hold the mouse over the settings window the instrument's setting status will appear. In the example above the new Instrument Address is 10, while the programmed Address is 20. Click on the Update Instrument button to upload the setting, that is 10, in the example above.

To set the instrument into a Run Mode select the RUN button at the bottom of the screen.

5.1 Using the Software with a Modbus enabled Instrument

In Valeport instruments there is a 'fall back' mode in which serial communications can be achieved with a Modbus enabled instrument without the need to reconfigure the terminal settings.

#098;1 will set the instrument into this mode. This is the default setting.



6 Manual Commands

If there is a requirement to send manual commands to the instrument, they should be typed into the terminal window as shown below:

😨 Valeport Ce	onfigure 2.0.52 Instrument: Hyperion		- 0 0
Ele			
Information	Communications Sampling		
Commun	nications		
BESSILENA	Baud Rate	19200bos (V)	
Address	Mode		
	instrument Address	10 😪	
	Address Mode	OFF -	
Modbus	RTU		
an and a sub-	Modbus Enabled	OFF v	
	Type the requir here and press	ed commands ENTER	
2			
: /			
	1132, pob., M1, 28		
1	nestamp		
Enable Int	RUN	Configure for Envirol.og Read Instrument	Update Instrument Back

First interrupt the instrument by sending multiple # symbols followed by the ENTER key. When you see ERROR, you have successfully interrupted the instrument. It is now in a command mode and will accept configuration commands.

In the above example #028 has been sent to put the unit into RUN mode. You can see a single data string after the #028 command is sent.

- Type #028 at the command prompt
- Press ENTER, don your keyboard