



AquaCheck AquaLINK-B Config Tool Application

Instruction Manual

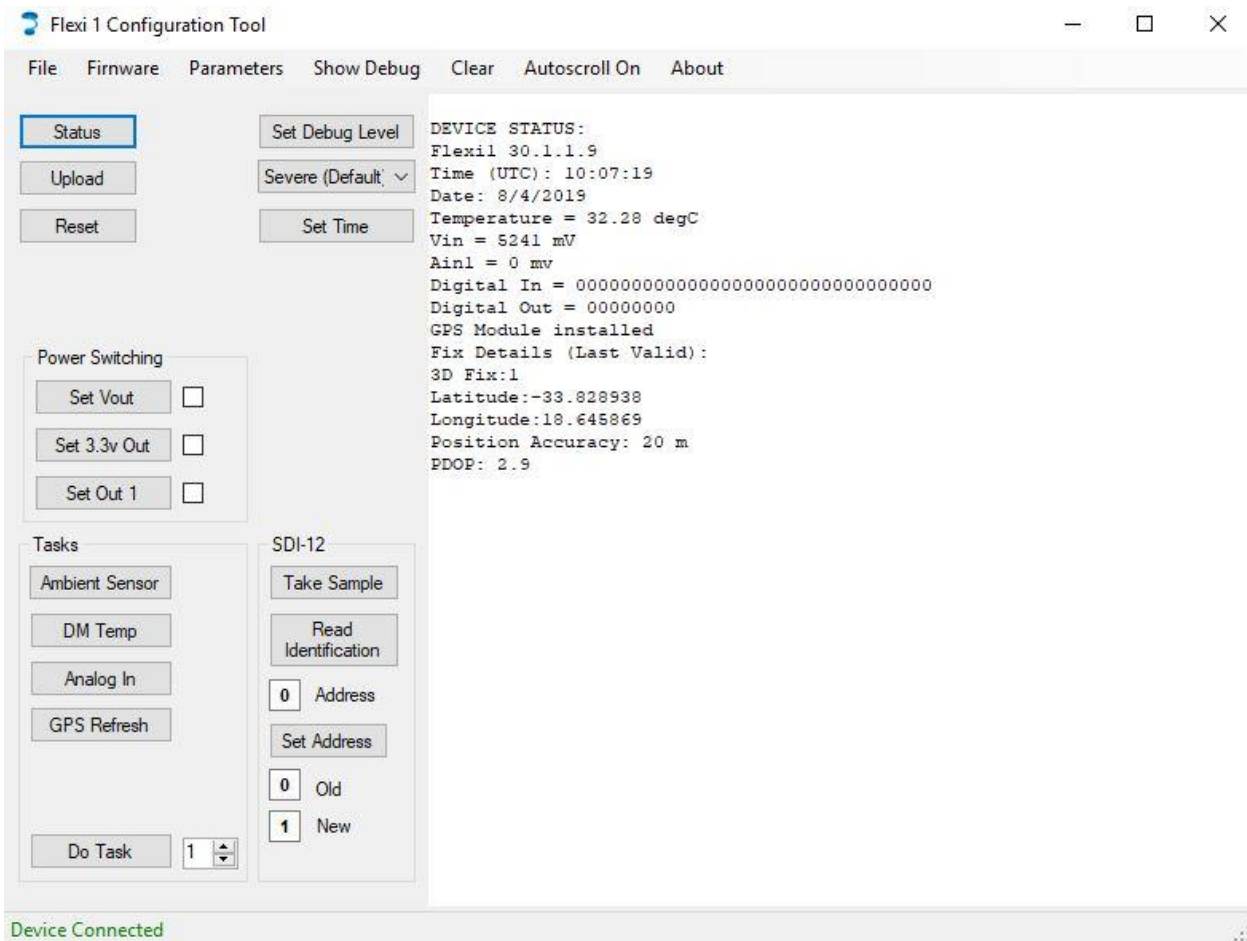




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Introduction

The AquaLINK-B has a USB interface. This allows testing and debugging via the Config Tool Application.

Downloading and installing the software

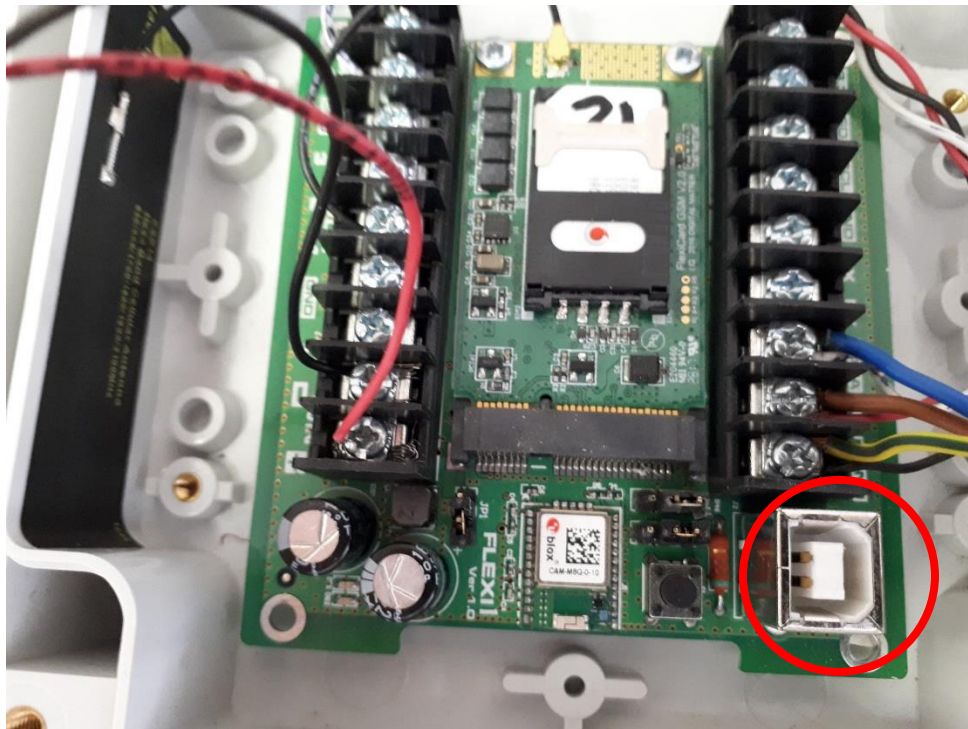
The software can be downloaded from the following link:

<https://aquacheck.zendesk.com/hc/en-us/sections/360003792611-Product-AquaLINK-B>

The AquaLINK-B Config Tool Application can be started by double clicking on Flexi1 Config Tool.exe

Connecting the device

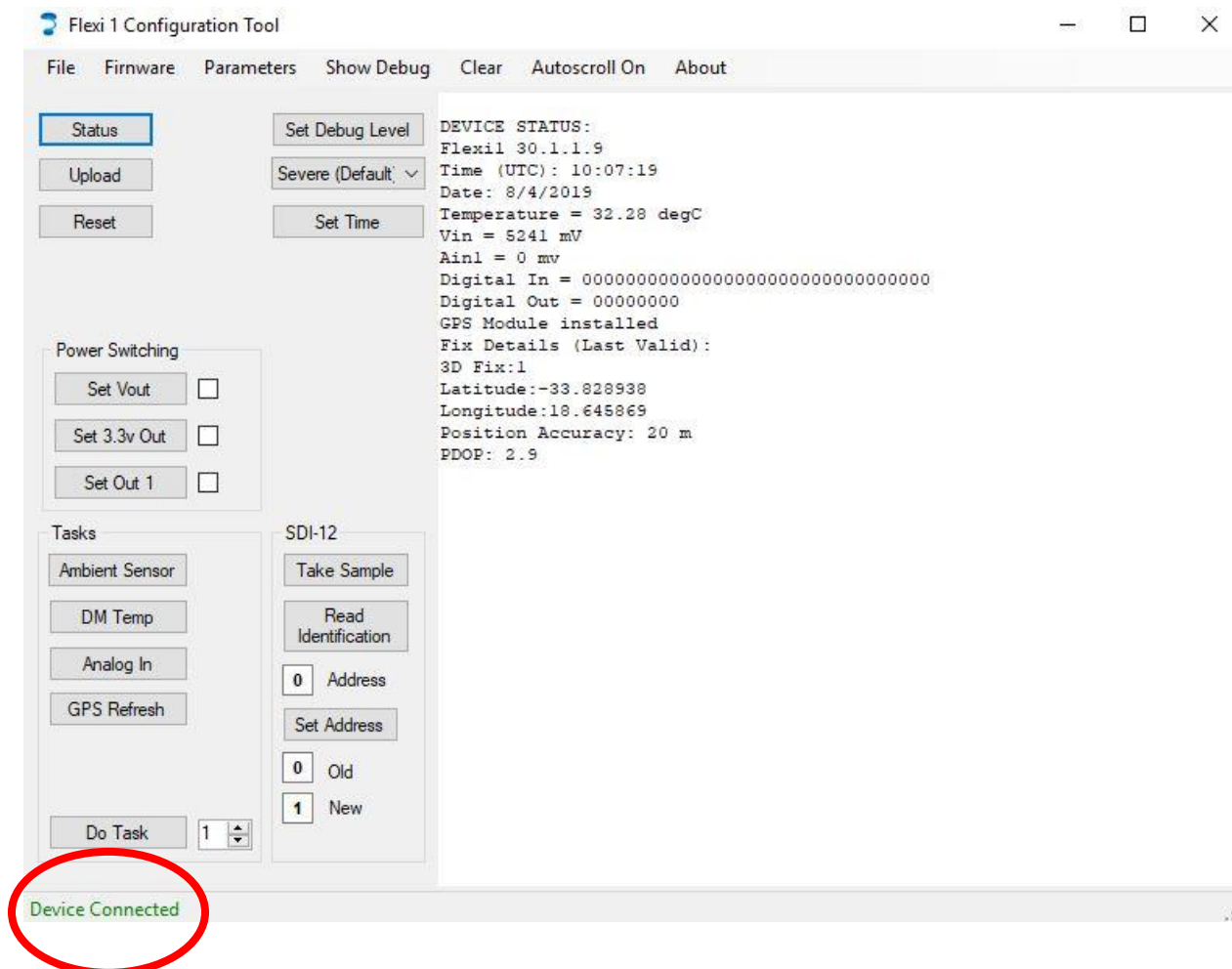
The AquaLINK-B can be connected via an usb cable to your pc. See connector below:





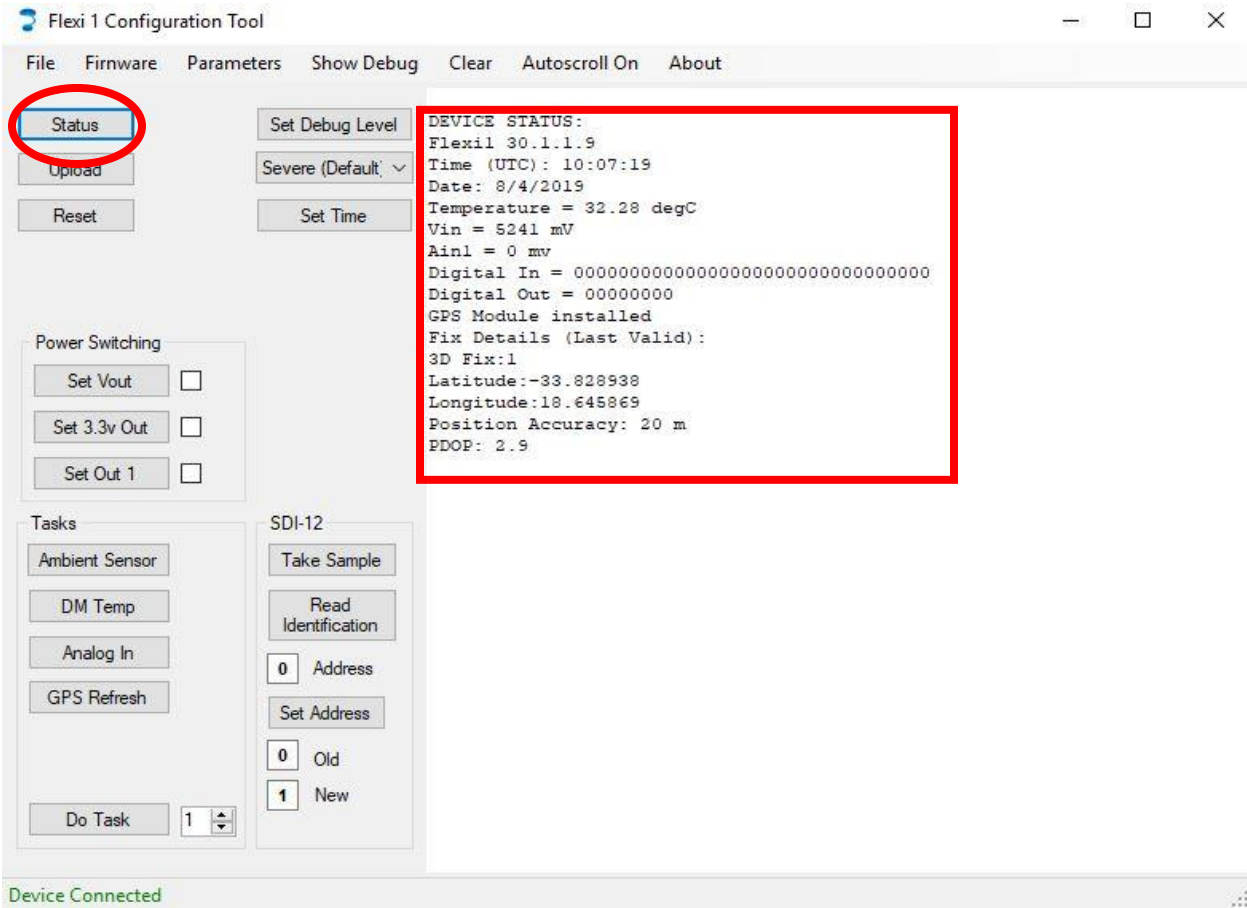
Retrieving device status

After connecting the device via the usb cable the status should show Device Connected:



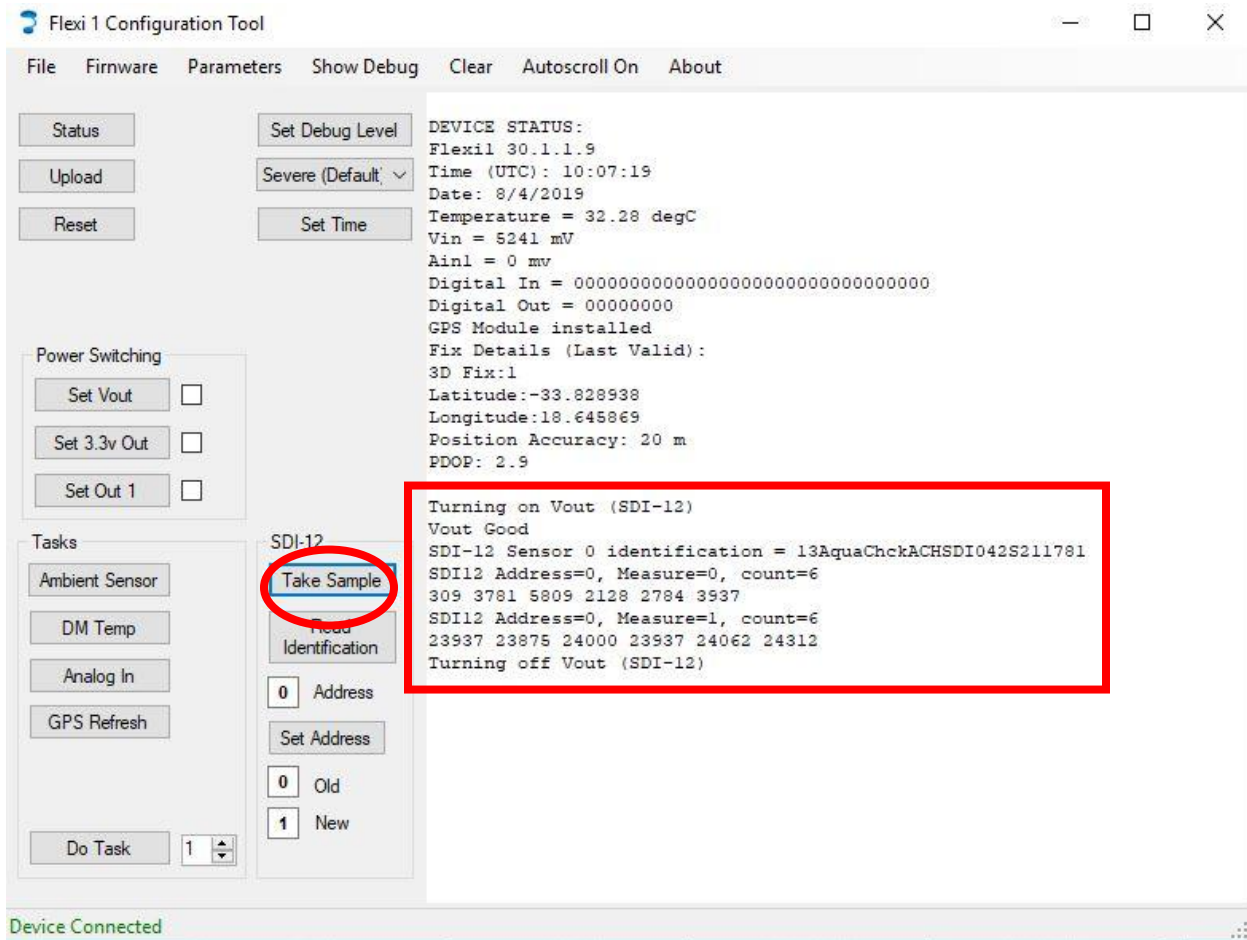


Click on Status – take a moment to observe the result:



Taking probe sample

Click on Take Sample - take a moment to observe the result:



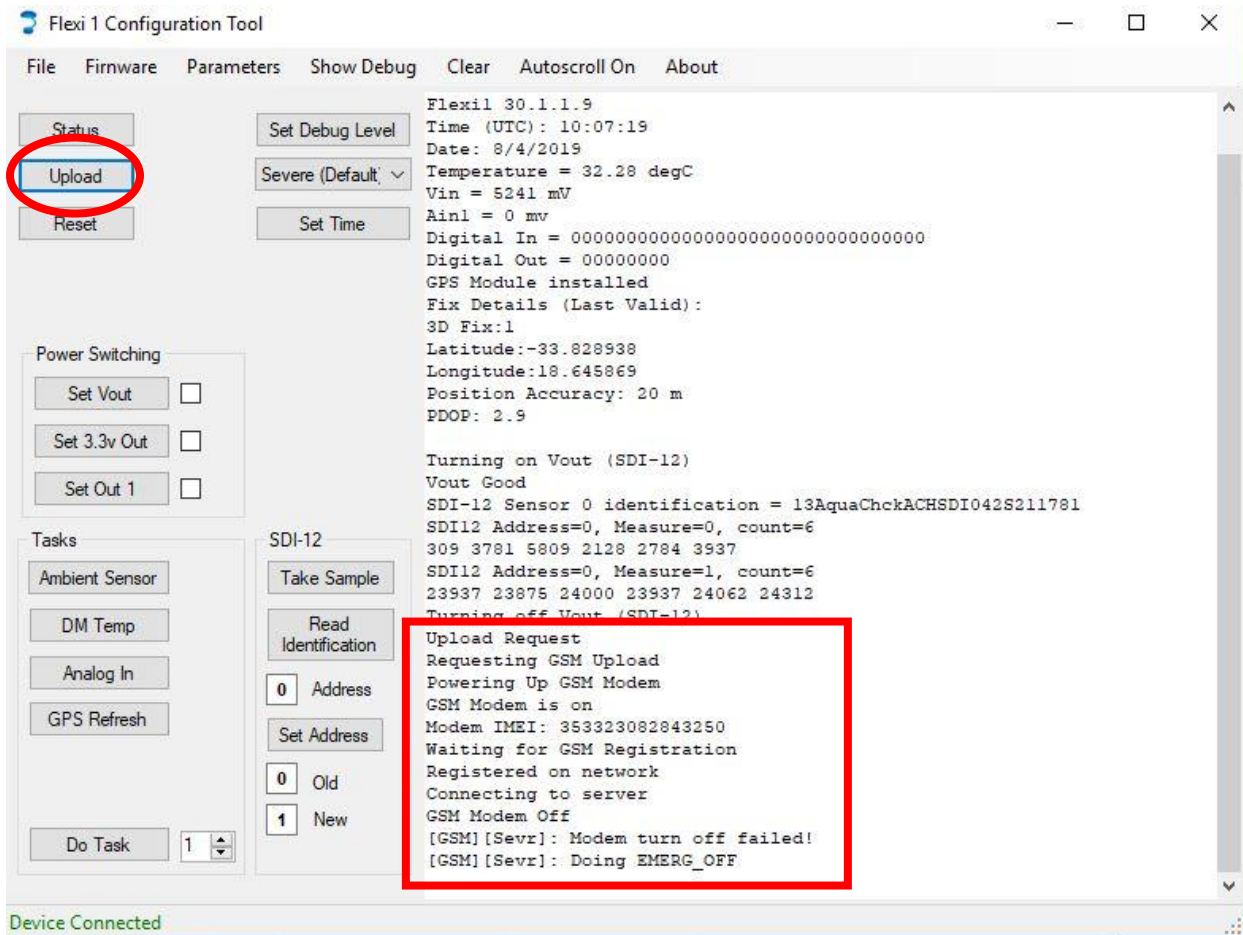
The screenshot shows the 'Flexi 1 Configuration Tool' interface. The 'Take Sample' button in the 'SDI-12' section is circled in red. The main window displays the following device status and sensor data:

```
DEVICE STATUS:  
Flexil 30.1.1.9  
Time (UTC): 10:07:19  
Date: 8/4/2019  
Temperature = 32.28 degC  
Vin = 5241 mV  
Ain1 = 0 mv  
Digital In = 00000000000000000000000000000000  
Digital Out = 00000000  
GPS Module installed  
Fix Details (Last Valid):  
3D Fix:1  
Latitude:-33.828938  
Longitude:18.645869  
Position Accuracy: 20 m  
PDOP: 2.9
```

Turning on Vout (SDI-12)
Vout Good
SDI-12 Sensor 0 identification = 13AquaChckACHSDI042S211781
SDI12 Address=0, Measure=0, count=6
309 3781 5809 2128 2784 3937
SDI12 Address=0, Measure=1, count=6
23937 23875 24000 23937 24062 24312
Turning off Vout (SDI-12)

Uploading data to TWS Server

Click on Upload - take a moment to observe the result:



The screenshot shows the 'Flexi 1 Configuration Tool' interface. The 'Upload' button is circled in red. The main display area shows the following log output:

```
Flexi1 30.1.1.9
Time (UTC): 10:07:19
Date: 8/4/2019
Temperature = 32.28 degC
Vin = 5241 mV
Ain1 = 0 mv
Digital In = 00000000000000000000000000000000
Digital Out = 00000000
GPS Module installed
Fix Details (Last Valid):
3D Fix:1
Latitude:-33.828938
Longitude:18.645869
Position Accuracy: 20 m
PDOP: 2.9

Turning on Vout (SDI-12)
Vout Good
SDI-12 Sensor 0 identification = 13AquaChckACHSDI042S211781
SDI12 Address=0, Measure=0, count=6
309 3781 5809 2128 2784 3937
SDI12 Address=0, Measure=1, count=6
23937 23875 24000 23937 24062 24312
Turning off Vout (SDI-12)

Upload Request
Requesting GSM Upload
Powering Up GSM Modem
GSM Modem is on
Modem IMEI: 353323082843250
Waiting for GSM Registration
Registered on network
Connecting to server
GSM Modem Off
[GSM][Sevr]: Modem turn off failed!
[GSM][Sevr]: Doing EMERG_OFF
```

The 'Upload Request' section is highlighted with a red box. The status bar at the bottom indicates 'Device Connected'.

After the upload was completed the following should be observed on the TWS -

<https://tws.aquacheck.co.za/>

Device Id	Distributor	Dealer	Last Connected	Last Probe Data	Channels
181326	-	-			
<u>181326</u>	AquaCheck South Africa	AquaCheck - TEST	29m 8s	28m 51s	A: ACWEB B: -