

Configuration of JVL-EW4 modules

All JVL wireless modules are preconfigured with the same simple standard configuration that will run and offer a wireless link from a basic wireless network to a JVL motor.

These configurations include a specific IP address in the module and no encryption. The EW4 modules can be configured to meet local IT policies regarding encryption etc.

Basic configuration of EW4 modules:

SSID:	JVL_EW4
Encryption:	NO
IP:	192.168.1.154
TCP/UDP PORT:	23
Subn. Mask:	255.255.255.0
GateWay:	192.168.1.1
Ch:	11
DHCP:	Disabled

Note! If the module is configured with a different IP address the address is written on a sticker attached to the antenna.

With the above mentioned parameters it is possible to configure a wireless access point or another device to access the EW4 module.

A wireless accespoint needs to be configured with the above mentioned parameters, in order to establish a connection.

Pay attention to the SSID (JVL_EW4), the IP address range and the gateway settings. Usually accesspoint devices are configured with the ip address 192.168.1.1 but other settings may occur.

If the WLAN network is setup correctly it is possible to “PING” the JVL_EW4 module by following these steps:

Open the “**RUN**” –dialog in windows:

Start->Run

Enter **command** or **cmd**

An new screen opens with a DOS prompt, enter the following:

Ping 192.168.1.154

If the connection is correctly setup it should be possible to ping the module and the following appears in the DOS window:

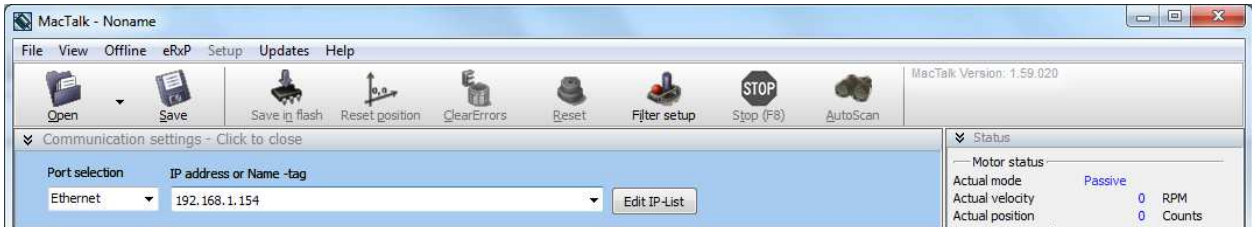
To stop the Pinging process, press <CTRL> + <PAUSE>
Connect to the motor using JVL MacTalk (Version must greater than V1.50.002).

```
H:\>ping 192.168.1.154
PING 192.168.1.154 : 56 data bytes
64 bytes from 192.168.1.154: icmp_seq=0 ttl=255 time=0 ms
64 bytes from 192.168.1.154: icmp_seq=1 ttl=255 time=0 ms
```

Connect to the motor using MacTalk.

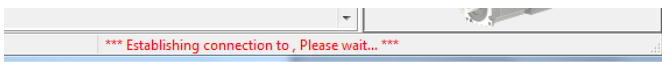
Make sure that the MacTalk version is greater than V1.59.002.

Open MacTalk and change the communication settings to “Ethernet”. Enter the IP address for the JVL motor.



Now MacTalk will try connecting to the motor using the IP address of the motor on port 23, which is the default port for the JVL WLAN module.

When the motor is found the status line will change from:



To (in this example it is connected to a MIS343-motor)

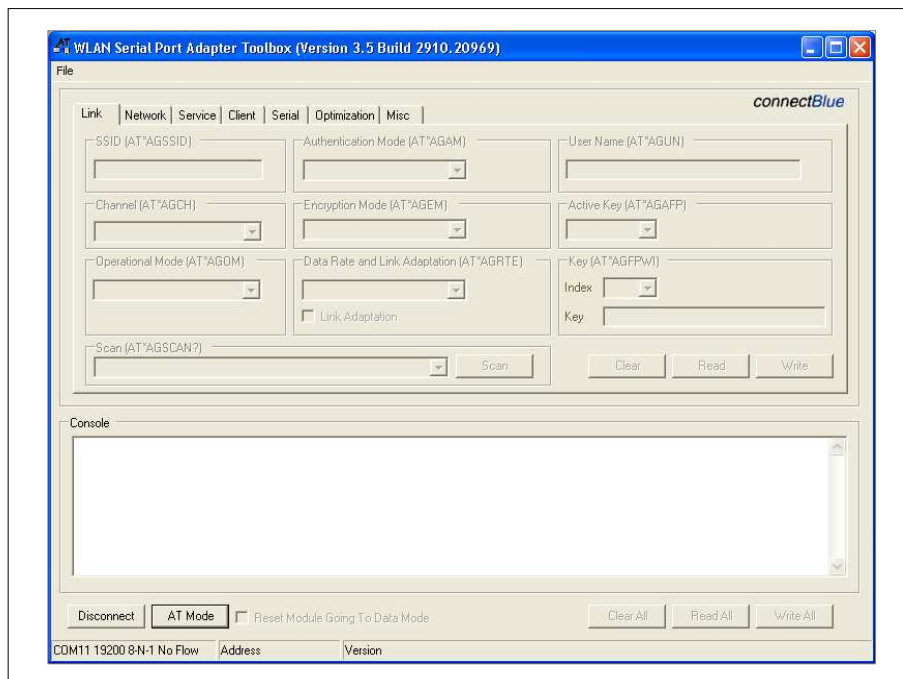


Although the EW4 module is pre-configured when leaving JVL it is sometimes critical that a module can be set up to meet local administration rules etc.

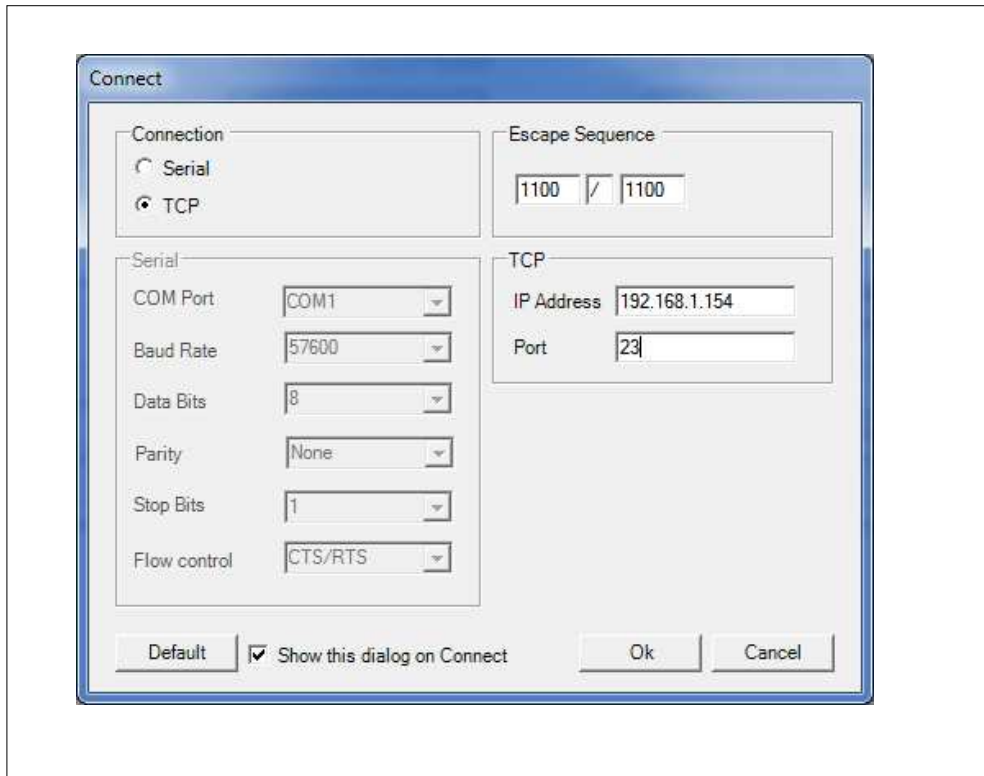
To make these configurations install and run the *WLAN Serial Port Adapter Toolbox* supplied. To do this installation please run the: **Setup_Toolbox_vX.X.exe**

The latest version can be downloaded following this link:

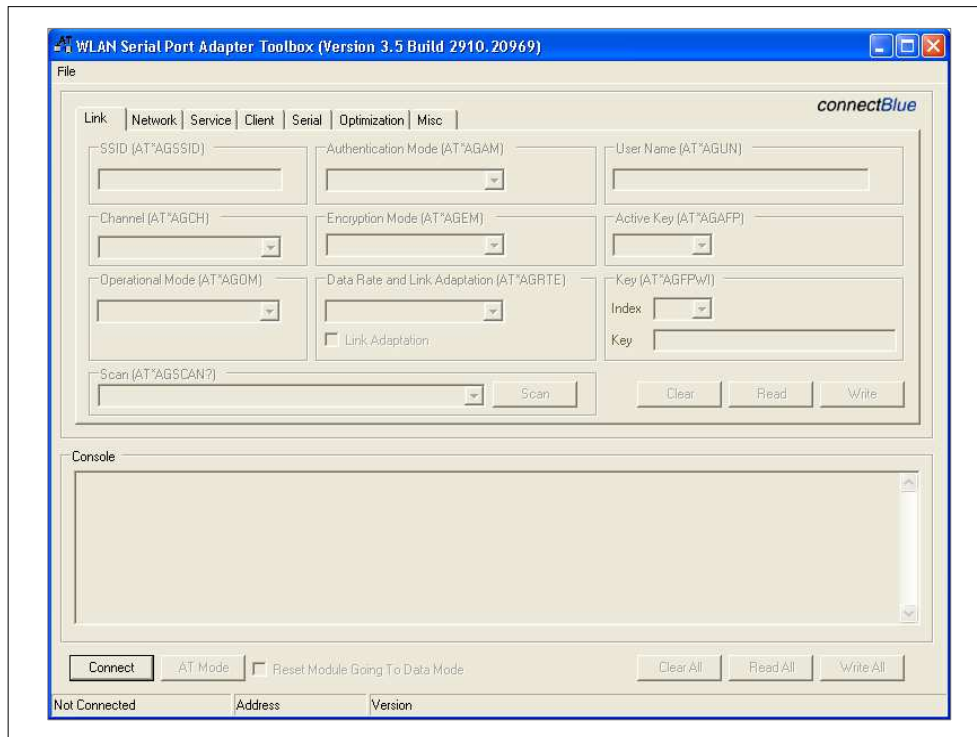
<http://support.connectblue.com/download/attachments/4128782/Setup+Toolbox+%28CB-2138-20%29.zip?version=1&modificationDate=1384527916000>



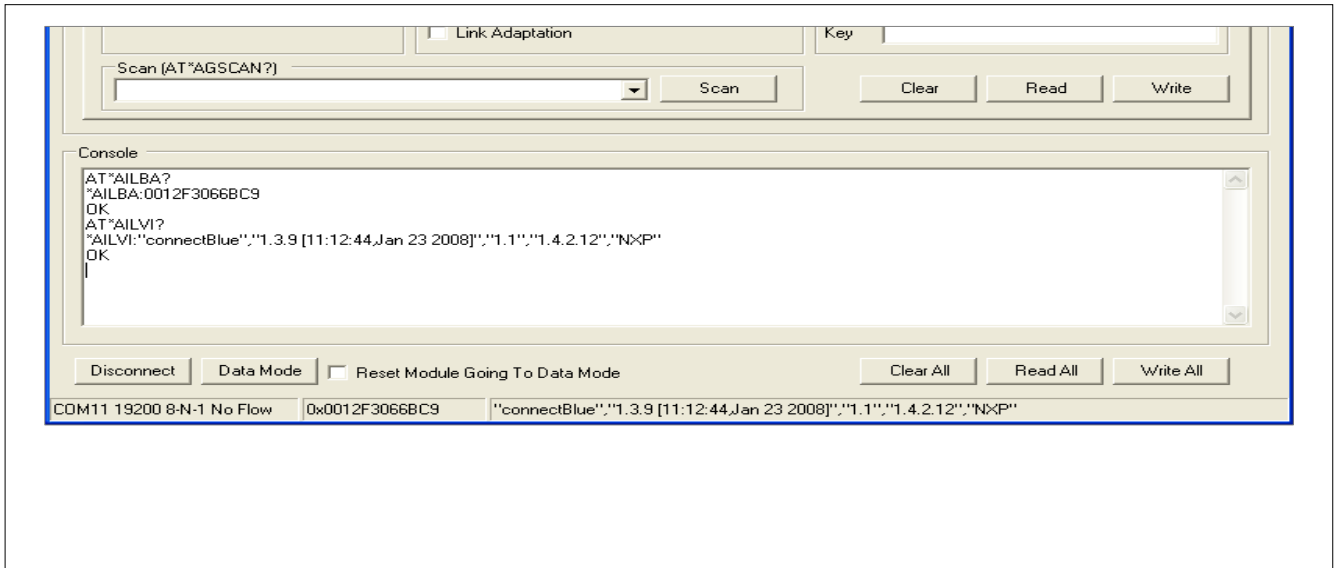
then S.P.A.T is executed the following screen appears.



- Select **Wireless LAN SPA** and click **ok**
- Select **TCP** connection and enter the following IP address: **192.168.1.154**(if the IP address differs from standard, the correct IP address is entered here)
- Enter port: **23** and click **ok**



Press the *AT Mode* -button to enter configuration mode



When the module enters configuration mode the *Console* box is updated with various information. Now the module is ready to be configured.

- Press the *Read All* –button to retrieve all parameters from the module.

Remember to press the Write button to save the changed data in the module Some changes only work when the module is rebooted (IP addresses, port no. etc), that is power recycling.

Remember to put the module in Data mode (by pressing the Data mode button) and then Disconnect the module before power down. At power up the new changes will have effect.

Please observe that some changes may affect the ability to make a connection to the module afterwards ex. IP address changes etc. so it is very important to be very careful when making such changes.