## **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 o	f 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.

Image: Signer of the section of the	ile View Offline	e eRxP Se	etup Updates H	Help							
Communication settings - Click to close Port selection IP address or Name -tag Ethernet ▼ 192, 168, 1, 154 ▼ Edit IP-List	Open +	Save	Save in flash	Reset position	GearErrors	8 Reset	eliter setup	STOP Stop (F8)	AutoScan	MacTalk Version: 1.59.020	
Port selection     IP address or Name -tag     Motor status       Ethernet     192.168.1.154     Edit IP-List     Actual weboity     0 RP	Communication	n settings - (	Click to close							Status	
Ethernet 👻 192.163.1.154 👻 Edit IP-List Actual velocity 0 RP	Port selection	IP addre	ss or Name -tag							Motor status     Actual mode     Passive	
	Ethernet	▼ 192.168	3.1.154			<b>*</b>	Edit IP-List			Actual velocity 0 R	PM

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)

	100
/IS343 (Version 2.02, SN: 123457) Connected	

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	

Link Network Service Client	Serial   Optimization   Misc	connectBlu
SSID (AT*AGSSID)	Authentication Mode (AT*AGAM)	User Name (AT*AGUN)
Channel (AT*AGCH)	Encryption Mode (AT*AGEM)	- Active Key (AT*AGAFP)
Operational Mode (AT*AGOM)	Data Rate and Link Adaptation (AT*AGRTE)	Key (AT*AGFPWI)
Scan (AT*AGSCAN?)	y Scan	Clear Read Write
onsole		3

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

Connection — O Serial O TCP			Escape Sec	1100		
Serial			TCP	<u>et</u>	-	
COM Port Baud Rate	COM1 57600	*	IP Address Port	23	54	
Data Bits	8	~				
Parity	None	Ŧ				
Stop Bits	1	-				
Flow control	CTS/RTS	<b>*</b>				
nun fr				0 1		

- Select Wireless LAN SPA and click ok
- Select *TCP* connection and enter the follwing 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*

INEWORK SERVICE L	lient Serial Optimization Misc	connectBlu
-SSID (AT*AGSSID)	Authentication Mode (AT*AGAM)	User Name (AT*AGUN)
Channel (AT*AGCH)	Encryption Mode (AT*AGEM)	Active Key (AT*AGAFP)
Operational Mode (AT*AGO)	A)     Data Rate and Link Adaptation (AT*AGRTE)     Data Rate and Link Adaptation	Key (AT*AGFPWI)
Scan (AT "AGSCAN?)	Scan	Clear Read Write
onsole		

Press the AT Mode -button to enter configuration mode

Scan (AT*AGSC	AN?)	daptation	Clear	Read Write
Console AT*AILBA? 'AILBA:0012F3066B OK AT*AILVI? "AILVI? OK I	C9 '',''1.3.9 [11:12:44,Jan 23 2008]'',''1	.1","1.4.2.12","NXP"		
DisconnectDa	ta Mode 📗 🥅 Reset Module Going	g To Data Mode	Clear All	Read All Write All
CUM11 19200 8-N-1 No	Flow UXUU12F3066BC9 "	connectBlue","1.3.9 [11:12:44,Ja	an 23 2008j","1.1","1.4.2.12","N	<f< td=""></f<>

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.