DPAC2 WIRELESS BRIDGE PROGRAMMING TOOL INSTRUCTIONS

Tool Part No. - 913097

INITIAL REQUIREMENTS

- <u>Computer with hardwired Ethernet connection to</u> <u>configure the DPAC2 (Veyron) Wireless Bridge.</u>
- The customer must provide all network settings required.
- The correct DPAC2 kit for the respective scale model being serviced.

CONFIGURE THE COMPUTER

NOTE: The programming box and these instructions are to be used with DPAC2 modules only. The DPAC2 (Veyron module) can be identified by the words Veyron Module Only, seen on the board when the module is removed.



- 1. Use a small flat bladed screwdriver to pry the antenna wire from the connector on the DPAC2 module.
- 2. Use the T5 Torx screwdriver to remove the DPAC2 module from the Veyron board.
- 3. Plug the DPAC2 module in to the special programming box.
- 4. Connect the power adapter to the box and an AC outlet.
- 5. Connect the network (patch cable) between the box and the computer.



NOTE: The computer must be set to DHCP (automatic configuration) to program the bridge. Normally the computer is already configured for DHCP. If you are not sure, use the following procedure to verify the settings.

- 6. Select Start > Control Panel > Network Connections.
- 7. If the *Local Area Connection* shows *Connected*, then proceed to "**CONFIGURE THE DPAC2 MODULE**", otherwise continue.



- 8. Right click on *Local Area Connection* then left click on *Properties*.
- 9. Select **Internet Protocol (TCP/IP)** and click on the *Properties* button.

↓ Local Area Connection Properties ? 🗙				
General Advanced				
Connect using:				
Intel(R) PR0/1000 MT Network Conr				
This connection uses the following items:				
🗹 📮 QoS Packet Scheduler				
✓ T Network Monitor Driver				
Internet Protocol (TCP/IP)				
Install Uninstall Properties				
Description				
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.				
Show icon in notification area when connected Notify me when this connection has limited or no connectivity				
OK Cancel 21981				

- 10. Verify the circle next to "Obtain an IP address automatically" is selected.
- 11. Click OK to save settings.

lemer	Protocol (TCP/IP)	Properties	1
General	Alternate Configuration	n]	
You ca this cap the app	n get IP settings assigne bability. Otherwise, you n iropriate IP settings.	ed automatically if your netwo need to ask your network adm	rk supports ninistrator for
@ 0	btain an IP address aut	omatically	
LO L	lse the following IP addr	ress:	
IP a	ddress:		
Sub	net mask:		
Defa	ault gateway.	J = = 0	
()	btain DNS server addre	ess automatically	
EO L	lse the following DNS se	erver addresses:	
Pref	erred DNS server		
Alter	nate DNS server:		
			Advanced
			Connel

CONFIGURE THE DPAC2 MODULE

NOTE: A configuration utility (AMC) may also be used to configure the bridge but is not required. If a customer requires the utility it can be downloaded from www.bb-elec.com

- 1. Open the browser (Internet Explorer).
- 2. Enter 192.168.2.1 and press enter.
- 3. A sign in screen will appear.
- 4. Enter the default user name and password then click on the *OK* button.
 - User name: dpac (all lower case)
 - Password: dpac (all lower case)



- 5. Select Configuration from the main screen.
- 6. The "WLAN Settings" screen will be displayed.
 - "Wireless LAN Connection Type" Must be set to Infrastructure
 - "Wireless LAN Channel" Default is 1
 - "SSID" Enter the customer supplied System ID. Must match what is programmed in the Access Point
 - "Maximum Wireless Data Rate" Default setting is Auto
 - "Use Fixed Data Rate" Default is Disabled
 - "Wireless LAN Region" Default is United States
- 7. Click on *Commit* (scroll to bottom of page) to save settings.

GUATECH A DAG TECHNOLOGIES COMPARY				
Configuration لا Status لا	Certificates الا Network	Maintenance		
	WLAN Parameters	Current Values		
WLAN Settings	Wireless LAN Connection Type:	Infrastructure 🖌		
WLAN Security Settings	Wireless LAN Channel:	1 💌		
Network Settings	SSID:	hobart		
Serial Port Settings	Maximum Wireless Data Rate:	Auto 🗸		
Ethernet Settings	Use Fixed Data Rate:	Disabled V		
Advanced Settings	Wireless LAN Region:	United States		
Upload Configuration File	Commit Cancel	21165		

8. A confirmation screen will be displayed.

NOTE: Never click on the **Reload** button or all settings will be lost.

NOTE: Do not click on **Reboot** at this time. Other settings must be entered first.

GUATECH						
Status کا Configuration	Certificates د	M Network	Maintenance لا			
WLAN Settings WLAN Security Settings Network Settings Serial Port Settings Connection Settings	Conf	igurat	ion change	s committ	ed succes	sfully
Advanced Settings						21166

- 9. Click on "WLAN Security Settings"
- 10. The "WLAN Security Settings" screen will be displayed.
 - "Authentication Type" Default is Auto
 - "Wireless LAN Security Type" Use the drop down box and select the customer provided security type

Example: Customer wants to use WPA-PSK security type. Select the **WPA-PSK** type using the drop down box. Enter the Pre Shared Key in the WPA Pre Shared Key (PSK) box.

11. Click on *Commit* (scroll to bottom of page) to save settings.

STATECH A rate transmission constant S Status S Configuration S Certificates S Network S Maintenance				
WLAN Settings	Authentication Type:	Auto 💌		
WLAN Security Settings	Wireless LAN Security Type:	WPA-PSK		
Network Settings Serial Port Settings	LEAP User Name:			
Connection Settings	LEAP Password:			
Ethernet Settings	Default WEP Key:	1 🛩		
Advanced Settings	WEP Key 1:			
	WEP Key 2:			
Upload Configuration File	WEP Key 3:			
Delete Configuration File	WEP Key 4:			
	WPA Pre Shared Key (PSK):	•••••••	21167	

12. A conformation screen will be displayed.

NOTE: Never click on the **Reload** button or all settings will be lost.

NOTE: Do not click on **Reboot** at this time. Other settings must be entered first.

- 13. Click on Network Settings.
- 14. The "Network Settings" screen will be displayed.

NOTE: Static IP address must be used when using the DPAC2 (Veyron) module.

- DHCP must be disabled.
- "Module Static IP Address" Enter the customer supplied IP Address for the bridge and scale.
- "Module Subnet Mask" Enter the customer supplied Subnet Mask values.

- "Gateway IP Address" Enter the customer supplied Gateway Address.
- Leave all other settings to default settings.

15. Click on *commit* to save settings.

a status a Coninguration .	Network Decembers	Current Values
WLAN Settings WLAN Security Settings	DHCP: DHCP Client Name:	Disabled V Airborne778206
Network Settings Serial Port Settings Connection Settings	DHCP Request Retransmission Mode: DHCP Request Retransmission Interval:	Exponential Interval V 15
Ethernet Settings Advanced Settings Upload Configuration File List Configuration Files	DHCP Acquire Limit: DHCP Fallback:	90 Enabled V
	Fallback to Last DHCP IP Address: Save Last DHCP IP Address as Fallback IP Address: Fallback IP Address:	Disabled V Disabled V
Delete Configuration File	Fallback Gateway IP Address:	0.0.0
User Configuration OEM Configuration	Module Static IP Address: Module Subnet Mask:	192.168.10.1
WPA Configuration	Gateway IP Address: DNS Server1 IP Address:	192.168.10.1 0.0.0.0 21168

- 16. A conformation screen will be displayed.
- 17. At this point if all settings are correct, click on **Reboot**. The bridge will save all settings, reboot, and the Browser connection will be lost.
- 18. Disconnect DPAC2 programming box from computer and power supply.
- Remove the DPAC2 module from the programming box and use the T5 Torx screwdriver to re-attach it to the Veyron board.
- 20. Re-connect antenna wire to connector on the DPAC2 module.
- 21. **Important.** Write the IP address that was configured in the bridge somewhere on the scale such as under the platter.
- 22. Install hardware using instructions included with kit.
- 23. NOTE: <u>The scale must be set to DHCP</u> (automatic) configuration when used with <u>EPCP-1. Ultima. and any Quantum with</u> firmware prior to -30. The IP address displayed by the scale is 192.168.2.100. The same IP address is displayed in <u>all</u> scales. You will not be able to ping this address from other scales or computers on the network.