Setup for BigPond Cable with BPA Login

This guide has been provided to help BigPond cable users connect to the BigPond network and simulate the Heartbeat through your network.

Please find that we will need the following before we can continue:

- BPA Login software from SourceForge, can be found here: <u>http://bpalogin.sourceforge.net/</u>
- This Guide

Now that we have the necessities we can continue with the setup. Please connect the cable modem to the WAN port on the router and a network cable to your PC.

It should be as below:

CABLE MODEM → WAN-ROUTER-LAN → **COMPUTER'S NETWORK CARD**

Once connected as shown above, we will need to setup a Static IP address on your PC. Do the following to set this up:

• Windows 98/ME:

Start > Settings > Control Panel > Network > TCP/IP (Network Card) > PropertiesFrom here we will need to setup your IP addressing, please enter it as below:IP:192.168.0.2SUBNET MASK:255.255.255.0GATEWAY:192.168.0.1DNS:192.168.0.1Now apply these settings, reboot your PC and continue below:

• Windows 2000/XP:

Start > Control Panel > Network Connections > Local Area Connection > Properties > TCP/IPFrom here we will need to setup your IP addressing, please enter it as below:IP:192.168.0.2SUBNET MASK:255.255.255.0GATEWAY:192.168.0.1DNS:192.168.0.1Now apply these settings and continue below:

Now that we have an IP address set on our PC we can setup a connection to Bigpond with BPA Login. Please make sure to follow the next few steps carefully.

- 1. Uninstall or disable your Bigpond login software because you will be using BPALogin instead.
- 2. Install BPA Login as a Standard Program this is essential in order to connect to the Internet.
- 3. Start BPA Login.
- 4. Enter the configuration as shown below:
 - (make sure that you enter the correct state into the domain field, e.g. nsw, qld, wa, vic, etc...) Username: Your BigPond username
 - Password:Your BigPond passwordLocal Port:5050Default Domain:nsw.bigpond.net.au

Config	
Username	dlinkaus OK
Password	Cancel
Local Port	5050 📩 Set to 5050 if unsure
Default Domain	nswi, bigpond. net. au
onConnected run	
onDisconnected run	
Log to file	bpalogin.log

5. Now click OK to save your configuration.

6. You will now return to this screen, just minimise this for now.

🛞 BPALogin v2.0	
Not connected	Connect
	Config
BPALogin v2.0	About

- 7. Now that the BPA Login software is setup we will need to setup the router to forward the Telstra Heartbeat to the PC we have just configured.
- 8. You will now need to login to the router using the password and username that has been specified, or the defaults if left untouched. Start your Internet browser (ensure that any proxy settings are disabled. In Internet Explorer: look under Tools > Internet Options > Connection > LAN Settings). Then type the IP address of the router (the default IP address is 192.168.0.1) into the Location (for Netscape) or Address (for IE) field and press "Enter". For example: http://192.168.0.1. After the connection is established, you will see the web interface of the router. To log in, enter the Username as "admin" and leave Password field blank (factory settings).
- 9. Now go to Home > WAN, in this page setup as below:

People	Multi		I-764 /5GHz Wirele	ss Route
Home	Advanced	Tools	Status	Help
WAN Setting	s			
Please select	the appropriate optio	n to connect to yo	our ISP.	
Oynamic			obtain an IP address ost Cable modem use	
C Static IP		ose this option to by your ISP.	set static IP informati	ion provided to
C PPPoE		ose this option if y . users)	our ISP uses PPPoE	. (For most
C Others	PPT	P and BigPond Ca	able	
0	PPTP (for I	Europe use only)		
Dynamic IP				
Host Name	DI-7	64 Wireless Rout	ter	 (optional)
MAC Address	00	- 80 - C8 Clone MAC Add	a second s	1 (optional)
Primary DNS	Address 61.9	1.192.14		
Secondary DI	VS Address 61.9	.192.15 ((optional)	
			S	63 C
			Apply	Cancel Hel

- 10. One thing of recent that is vital is the cloning of your PCs MAC address. This is what Telstra will assign an IP to. If you have the wrong MAC address you will be unable to connect. This MAC address must be from the PC that was originally setup and working with the cable modem.
- 11. The next step is to setup the port redirections for the Telstra Heartbeat, this will be going to the PC we have just setup up. Please see an example configuration below:

Name:	BPA Login
Private IP:	192.168.0.2
Protocol Type:	Both
Private Port:	5050
Public Port:	5050
Schedule:	Always

	Home	Advan	ced To	ols S	tatus	Help
Vir	tual Server					
Vir	tual Server i	s used to allow	Internet users a	access to LAN s	ervices.	
		• Enabled	C Disabled			
Na	me	BPA Login		Clear	Ê.	
Dei	vate IP	192.168.0.2			-	
Pro	otocol Type	Both 🗾				
Pri	vate Port	5050				
Pu	blic Port	5050				
50	hedule	Always				
				1 4 4 4 1 4		A & A &
		C From tir	ne 01 💌 : 00	I AM I to lu		AM 🗾
			ne 01 💌 : 00 ay Sun 💌 to	Carl States and		AM 🗾
				Carl States and		AM 🗾
				Carl States and		
10		da		Carl States and	🤣 🌔	3 (
Vir	tual Server	da	ay Sun 💌 to	Sun 💌	Spply Co	3 (ancel H
Vir	Name	da rs List	ay Sun 💌 to Private IP	Sun 💌 Protocol	Apply Co Schedu	3 (ancel H
		da rs List ver FTP	ay Sun 💌 to	Sun 💌	Apply Co Schedu always	Cancel H ule
E	Name Virtual Ser Virtual Ser	da rs List ver FTP	Private IP 0.0.0	Sun Protocol TCP 21/21	Apply Co Schedu always always	ancel H ule
Γ	Name Virtual Ser Virtual Ser	da s List ver FTP ver HTTP ver HTTPS	Private IP 0.0.0 0.0.0	Sun Protocol TCP 21/21 TCP 80/80	Apply Co Schedu always always	ancel H ule
	Name Virtual Ser Virtual Ser Virtual Ser	da s List ver FTP ver HTTP ver HTTPS ver DNS	Private IP 0.0.0.0 0.0.0.0 0.0.0.0	Sun Protocol TCP 21/21 TCP 80/80 TCP 443/443	Apply Co Schedu always always always	Sancel H ule
	Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser	da ver FTP ver HTTP ver HTTPS ver DNS ver SMTP	Private IP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0	Sun Protocol TCP 21/21 TCP 80/80 TCP 443/443 UDP 53/53	Apply Co Schedu always always always always always always	ancel H ule
	Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser	da ver FTP ver HTTP ver HTTPS ver DNS ver SMTP ver POP3	Private IP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0	Sun Protocol TCP 21/21 TCP 80/80 TCP 443/443 UDP 53/53 TCP 25/25	Apply Co Schedu always always always always always always always	ancel H ule
	Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser	da ver FTP ver HTTP ver HTTPS ver DNS ver SMTP ver POP3	Private IP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0	Sun Protocol TCP 21/21 TCP 80/80 TCP 443/443 UDP 53/53 TCP 25/25 TCP 110/110	Apply Co Schedu always always always always always always always always	ancel H ule
	Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser	da ver FTP ver HTTP ver HTTPS ver DNS ver SMTP ver POP3	Private IP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0	Sun Protocol TCP 21/21 TCP 80/80 TCP 443/443 UDP 53/53 TCP 25/25 TCP 110/110 TCP 23/23	Apply Co Schedu always always always always always always always always always	S (ancel H ule
	Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser IPSec	da ver FTP ver HTTP ver HTTPS ver DNS ver DNS ver SMTP ver POP3 ver Telnet	Private IP 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0	Sun Protocol TCP 21/21 TCP 80/80 TCP 443/443 UDP 53/53 TCP 25/25 TCP 110/110 TCP 23/23 UDP 500/500	Apply Co Schedu always always always always always always always always always always always always always always	Sancel H ule

12. Now that all of the redirections are done we can now get an IP address of Telstra. This is done by going to the Status page and then clicking on DHCP Renew. You should get something similar to what is below:

Home /	Advanced	Tools	Status	Help
Device Information	1			
	Firmware Version	2.13 , Tue	28 Jan 2003	
LAN				
MAC Address	00-80-C8-03-21-C0			
IP Address	192.168.0.15			
Subnet Mask	255.255.255.0			
DHCP Server	Disabled			
WAN				
	00-80-C8-03-21-C1			
	DHCP Client Conne	cted		
Connection	DHCP Release	DHC	PRenew	
IP Address	144.136.118.11	20	2	
Subnet Mask	255.255.255.254			
Default Gateway	144.136.118.1			
DNS	61.9.192.14 61.9.19	2 15		

13. Now that the router setup is complete we now need to connect to Telstra via BPA Login. This is done by opening up the BPA Login program that we minimised earlier and clicking on the "Connect" button.

🛞 BPALogin v2.0	
Not Connected	Connect Config
BPALogin v2.0	About

14. This should now say "Connected" and display the blue icon in the system tray without the red exclamation mark through it. This will indicate that you are connected.

🔞 BPALogin v2.0	_ 🗆 ×
Connected	Disconnect Config
BPALogin v2.0	About

15. You should now be able to open your Internet browser and open a favourite or go to a web address.

Happy browsing.

Regards, Technical Support D-Link Australia