DI-764 Setup for BigPond Cable with BPA Login

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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 DI-764 and a network cable to your PC.

It should be as below:

CABLE MODEM → DI-764 → COMPUTERS 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 the router with BPA Login. Please make sure to follow the next few steps carefully.

- 1. Install BPA Login as a Standard Program this is essential in order to connect to the net.
- 2. Start BPA Login.
- 3. 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 password
Local Port:	5050
Default Domain:	nsw.bigpond.net.au

Config			
Username	dlinkaus		OK
Password	*****		Cancel
Local Port	5050	Set to 5050	if unsure
Default Domain	nswl bigpond.net.a	u	
onConnected run			
onDisconnected run			
🔽 Log to file	bpalogin.log		

4. Now click OK to save your configuration.

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

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- 6. 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.
- 7. Login to the router by opening your Internet Browser and typing 192.168.0.1 into the address bar.
- 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.
- 9. Now go to Home > WAN, in this page setup as below:

	-				-
	Home A	dvanced	Tools	Status	Help
	WAN Settings				
	Please select the app	propriate option	to connect to y	our ISP.	
L	Oynamic IP Addr	ess Choos from y	se this option to rour ISP. (For m	obtain an IP address ost Cable modem use	automatically ers)
	O Static IP Address	; Choos you b	se this option to y your ISP.	set static IP informat	ion provided to
L	O PPP₀E	Choos DSL u	se this option if ; isers)	your ISP uses PPPoE	. (For most
	C Others	PPTP	and BigPond C	able	
	O PPTP	(for E	urope use only)		
L	Dynamic IP				
	Host Name	DI-76	4 Wireless Rou	ter	(optional)
	MAC Address	00	- 80 - C8 Clone MAC Add	- 03 - 21 - C	1 (optional)
L	Primary DNS Address	s 61.9.1	92.14		
	Secondary DNS Addr	ess 61.9.1	92.15	(optional)	
	Secondary DNS Address	ess 61.9.1	92.15	(optional)	0

- 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 <u>To</u>	ols	Status	He
Vi	tual Server		5			
Vii	tual Server is	s used to allow	Internet users	access to L	AN services.	
		Enabled	C Disabled			
Na	me	BPA Login			Clear	
Dri	voto ID	19216802				
	vale ii	132.100.0.2				
Pr	otocol Type	Both 🗾				
Pri	vate Port	5050				
Pu	blic Port	5050				
Sc	hedule	Always				
		C =		• AM •	to 01 💌 . 00	
		C From tir	ne UI 💌 : UU			
		C From tir	ne 01 💌 : 00 ay Sun 💌 to	Sun 💌		
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Vi	tual Server	tir From tir da s List	ne 01 : 000 ay Sun to	Sun 💌		
Vi	rtual Server Name	s List	ne 01 ▼ : 100 ay Sun ▼ to Private IP	Sun Protoco	Apply Sc	Cancel hedule
Vi	tual Server Name Virtual Ser	s List	ne 01 ♥ : 00 ay Sun ♥ to Private IP 0.0.0.0	Sun Protoco TCP 21.	Image: 10 min and 10	Cancel hedule rays
Vi	tual Server Name Virtual Ser Virtual Ser	ver FTP ver HTTP	ne 01 ▼ : 00 ay Sun ▼ to Private IP 0.0.0.0 0.0.0.0	Protoco TCP 21. TCP 80.		Cancel hedule /ays /ays
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	tual Server Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser	ver FTP ver FTP ver HTTP ver HTTPS 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	Protoco TCP 21. TCP 20. TCP 44: UDP 53 TCP 25. TCP 111 TCP 23.	Image: Non-State Image: Non-State<	A ays A
	tual Server Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser	ver FTP ver FTP ver HTTP 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 0.0.0 0.0.0 0.0.0 0.0.0	Protoco TCP 21. TCP 80. TCP 44: UDP 53 TCP 15. TCP 11. TCP 23. UDP 50	Image: Non-Sector Image: Non-Sector Image: Non-Sector Apply Image: No	Cancel hedule /ays /ays /ays /ays /ays /ays /ays /ays
	tual Server Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser PPTP	ver FTP ver FTP ver HTTPs ver DNS ver SMTP ver POP3 ver Telnet	Private IP 0.0.00 0.0.00 0.0.000000	Protoco TCP 21. TCP 80. TCP 44: UCP 53. TCP 11. TCP 23. UCP 50 TCP 17.	Image: Non-Section Image: Non-Section Image: Non-Section Apply Image: Non-Section Alw	Cancel hedule /ays /ays /ays /ays /ays /ays /ays /ays
	tual Server Name Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser Virtual Ser IPSec PPTP NetMeetin	ver FTP ver FTP ver HTTP ver HTTPS ver DNS ver SMTP ver POP3 ver Telnet	Private IP 0.0.00 0.0.00 0.0.00 0.0.000000	Protoco TCP 21. TCP 80. TCP 44: UDP 53 TCP 25. TCP 111 TCP 23. UDP 50 TCP 17. TCP 17.	Ito I Control Apply Sc /21 alw /80 alw /53 alw /25 alw 0/110 alw 0/500 alw 23/1723 alw 20/1720 alw	vays rays rays rays rays rays rays rays r

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 Informati	on			
	Firmware Version	: 2.13 , Tue :	28 Jan 2003	
LAN				
MAC Addres	s 00-80-C8-03-21-C0			
IP Addres	s 192.168.0.15			
Subnet Mas	k 255.255.255.0			
DHCP Serve	r Disabled			
WAN				
MAC Addres	s 00-80-C8-03-21-C1			
Coursette	DHCP Client Conne	ected		
Connectio	DHCP Release	e DHCF	Renew	
IP Addres	s 144.136.118.11			
Subnet Mas	k 255.255.255.254			
Default Gatewa	y 144.136.118.1			
DN	E C1 O 100 14 C1 O 10	20.45		

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.

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- 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. 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