How to set DSL-302G from default PPPoA mode into IPoA mode Version: 1.0 Date: 2 June 2003 Written by: Steven Sia

- 1) Connect the Ethernet port from DSL-302G to PC running the web browser.
- 2) Interface to DSL-302G as per normal via http://10.1.1.1/
- In this example, we will set it from the default PPPoA mode so a default restore is required as shown below. Select "Reboot From Default Configuration" and click on "Reboot".



4) Check under "Bridging > ATM VCC". Make sure you have defined the VPI/VCI and Mux Type (VC-Mux or LLC) correctly.

**IMPORTANT:** You MUST confirm all these settings with your ISP. In this example, VPI/VCI = 8/35 and Mux Type = LLC as per most ISP's network requirement. If your ISP is using 8/35 and VC-Mux, then move on to step 8)

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DSL-302G Configuration Manager GU	l - Microsofi	i Inte	rnet	Explorer	
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a D-Link			A	TM VC Co	nfiguration
<u>Ouick Configuration</u> <u>System View</u>	т	his pa	ige is	used to viev	w and configure ATM VCs
	Interface	¥PI	VCI	Мих Туре	Max Proto per AAL5 Action(s)
	aal5-0	8	35	VC	1
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Interp://10.1.1.1/MainPage?id=17#					🥩 Internet

5) Click on the "pencil" icon (Edit) above. Select "LLC" below and click on "Submit".

🚰 ATM VC Interface - Modify - Microsoft Internet Explorer					
ATM VC Interface -	Modify				
Basic Information	n				
VC Interface:	aal5-0				
VPI:	8				
VCI:	35				
Мих Туре:					
Max Proto per AAL5:	2				
Submit Cancel	Help				
Copyright © 2002 D-Link, Inc. Al	l rights reserved.				

6) Click on "Close" to close the small page.



7) You will see that the Mux Type is changed to "LLC" now.



8) Go to "WAN > PPP", click on the "trashcan" icon (on the right) and "OK" to delete it. Then, click "Submit" button to save in temporary memory.



9) Go to "WAN > IPOA", click on "Add".	
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D-Link Building Networks For People	
🔄 D-Link IP over ATM (IPoA) Configuration	
Ouick Configuration         This Page is used to View, Add and Delete IPoA Interfaces.           System View         System View	
Interface     Interface     RFC     Lower     Peer IP     Confg IP     Netmask     Gateway     Status     Active Address	tion:
DSL Status No IPoA Interface!	
DSL Mode	
Add Map Refresh Help	
IPOA         Copyright © 2002 D-Link, Inc. All rights reserved.	
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10) Enter your IPoA Configuration IP Address as given to you by your ISP, including Netmask and Gateway IP Address. In this example, the customer IP = 203.1.1.2/30 (255.255.252) and ISP's

Gateway IP = 203.1.1.1

Click "Submit" and then "Close" to close the small page.

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IPoA Inte	erface - Add				
IPoA Ir	nformation				
IPoA Interface:	ipoa-0 💌				
Conf. IP Address:	203 1 1 2				
Netmask:	255 255 252				
RFC 1577:	O Yes ⊙ No				
Use DHCP:	<ul> <li>○ Enable</li> <li>○ Disable</li> </ul>				
Default Route:	<ul> <li>⊙ Enable</li> <li>○ Disable</li> </ul>				
Gateway IP Address:	203 1 1 1				
Submit	Cancel Help				
Copyright © 2002 D-Li	nk, Inc. All rights reserved.				

11) Click on the "Ma	p" button on the righ	it (NOT at the bottom).	
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🔄 D-Link			IP ove	r ATM (IP	'oA) Coni	figuration			
Ouick Configuration		This Page is used to View, Add and Delete IPoA Interfaces.							
E C LAN	Interface	Interface RFC Sec Type 1577	Lower Interface	Peer IP Address	Confg IP Address	Netmask	Gateway Address	Status	Action
DSL Mode	ipoa-0	Public No	-	-	203.1.1.2	255.255.255.252	203.1.1.1		Map
EOA EOA IPOA NAT			Add	Мар	Refresh	Help			
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12) Then, simply click "Add" as below and you should see the "aal5-0" becomes available under Lower I/F as shown in the next figure. Click "Close".

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IPoA Interface - Map						
IPoA Map Information						
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PoA Interface - Map - Micro	IPoA Internet Explore IPoA Internet IPoA Map In IPoA Interface: Lower Interface: Close	r Face - Map nformation ipoa-0 Lower I/F Action aal5-0 aal5-0 Help				

## 13) You should see the whole entry which looks like below.

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E C KAN	Interface	Interface R Sec Type 15	FC Lower 577 Interface	Peer IP Address	Confg IP Address	Netmask	Gateway Address	Status	Action
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EOA - IPOA			Add	Мар	Refresh	Help			
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14) Go to "WAN > NAT" and confirm that it is "Enable" then click "Submit".

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D-Link Building Networks For People								
🔄 D-Link Net	work Address Translation (	(NAT) Configuration						
Quick Configuration       Image: System View       Use this page to configure       Image: System View       the IP addresses of you	Network Address Translation, a : Ir LAN computers to new address 	security protocol in which the device translates es before sending data out on the Internet.						
E S WAN	NAT Options: NAT Glo	bal Info 💌						
DSL Status	💿 Enable 🛛 Dis	sable						
DSL Mode								
	NAT Global Inform	nation						
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NAT	TCP Close Wait(sec):	60						
E <u>Bridging</u>	TCP Def Timeout(sec):	60						
🗄 🧰 Admin	UDP Timeout(sec):	300						
	ICMP Timeout(sec):	5						
	GRE Timeout(sec):	300						
	Default Nat Age(sec):	240						
	NAPT Port Start:	5000						
	NAPT Port End:	51023						
Submit	Global Stats Can	cel Refresh Help 🖌						
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16) Now, your IPoA connection should be up and running now. Simply set your PC's IP address to "Obtain IP Address automatically" (restart if asked), you should be able to surf the Internet now. Please consult your ISP if you are unsure what your ADSL connection type is (PPPoA, PPPoE, Bridge RFC1483 or IPoA), what values VPI/VCI and Mux type (VC-Mux or LLC) are, or how to set up the DSL-302G ADSL modem accordingly.

 $\sim$  End of Document  $\sim$