

IPTV Setting

1. Use VLAN for IPTV

Suppose there is separate PVC for delivering IPTV. In this example, the special PVC is named br_8_36.

(i) Enable VLAN via the Advanced...|Port Mapping page.

The screenshot shows the Dynalink web interface. The navigation menu on the left includes: Local Network, Internet, IP Routing, Virtual Server, NAT ALG, Firewall, Quality of Service, and Port Mapping (highlighted). The main content area is titled "Port Mapping Configuration" and contains the following text: "This page allows you to configure various port mapping groups which contains specific Internet connections and LAN ports. The user data are only transmitted and received among the interfaces in the group." Below this is a note: "NOTE: DHCP server and all routing/firewall functions are only available at the Default group." There is a form for "Virtual LAN Function on Ethernet:" with radio buttons for "Disabled" and "Enabled" (selected), and "Apply" and "Cancel" buttons. Below the form is a table with the following data:

Group Name	Internet Connections	LAN Ports	Edit
Default	pppoe_0_100_1, br_8_36	Ethernet.1, Ethernet.2, Ethernet.3, Ethernet.4, Wireless	

At the bottom right of the table area is an "Add" button. The footer of the page shows: Firmware: 3.30j, ADSL2+ : A2p8021g.d19b, Wireless : 3.91.41.0.

(ii) Select a particular Ethernet port for IPTV. This example uses Ethernet 4 for IPTV. Give the group a name. Add the IPTV PVC and the Ethernet port picked to a group. This example shows the "IPTV channel" group consists of br_8_36 & Ethernet 4.

Dynalink Quick Start | Status | **Advanced** | Wireless | Voice | Management

Language: English

Local Network
Internet
 IP Routing
 Virtual Server
 NAT ALG
 Firewall
 Quality of Service
 Port Mapping

Modify Port Mapping Group

Available interfaces can be LAN ports or Internet connections of ATM PVC bridge mode.

Group Name: IPTV channel

Available Interfaces

- Ethernet.1
- Ethernet.2
- Ethernet.3
- Wireless

Add >

< Remove

Grouped Interfaces

- Ethernet.4
- br_8_36

< Back Apply

Selected interfaces will be removed from their existing groups and added to the new group. If you remove one interface from current group, this interface will be returned back to the Default group.

Firmware: 3.30j
 ADSL2+: A2pB021g.d19b
 Wireless: 3.91.41.0

(iii) After applying the settings there are two virtual LANs on the router. Ethernet ports 1-3 & wireless are for Internet data access via the default PVC pppoa_0_100_1; Ethernet port 4 is reserved for IPTV.

Dynalink Quick Start | Status | **Advanced** | Wireless | Voice | Management

Language: English

Local Network
Internet
 IP Routing
 Virtual Server
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 Quality of Service
 Port Mapping

Port Mapping Configuration

This page allows you to configure various port mapping groups which contains specific Internet connections and LAN ports. The user data are only transmitted and received among the interfaces in the group.

NOTE: DHCP server and all routing/firewall functions are only available at the Default group.


Virtual LAN Function on Ethernet: Disabled Enabled Apply Cancel

Group Name	Internet Connections	LAN Ports	Edit
Default	pppoa_0_100_1	Ethernet.1, Ethernet.2, Ethernet.3, Wireless	
IPTV channel	br_8_36	Ethernet.4	

Add

Firmware: 3.30j
 ADSL2+: A2pB021g.d19b
 Wireless: 3.91.41.0

2. Enable IGMP proxy via the Advanced...|Internet...|IGMP Proxy page.



Quick Start | Status | **Advanced** | Wireless | Voice | Management

Language: English

Local Network

- Internet
 - Connections
 - DNS Server
 - IGMP Proxy**
 - ADSL
- IP Routing
- Virtual Server
- NAT ALG
- Firewall
- Quality of Service
- Port Mapping

Firmware: 3.30j
ADSL2+: A2pB021g.d19b
Wireless: 3.91.41.0


IGMP Proxy Configuration

Enabling IGMP proxy function can allow the users on your local network to play the multimedia (video or audio) which sent from the servers on the Internet.

Internet Connection	IGMP Proxy Enabled
pppoe_0_100_1	<input checked="" type="checkbox"/>

Apply Cancel

3. Enable IGMP snooping via the Advanced...|LAN...|IGMP Snooping page.



Quick Start | Status | **Advanced** | Wireless | Voice | Management

Language: English

Local Network

- IP Address
- DHCP Server
- UPnP
- IGMP Snooping**

Internet

- IP Routing
- Virtual Server
- NAT ALG
- Firewall
- Quality of Service
- Port Mapping

Firmware: 3.30j
ADSL2+: A2pB021g.d19b
Wireless: 3.91.41.0

IGMP Snooping Configuration

With IGMP snooping, the IGMP packets will be monitored, the membership information will be recorded and processed, and the multicast traffic will only be forwarded to those LAN ports which are bonded to the subscribed multicast groups.

Enable IGMP Snooping

Apply Cancel