



## C2G 29975 Luxul Ethernet Switch User Guide

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**Luxul Ethernet Switch Quick Setup Guide  
For C2G AV over IP Devices**



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### Introduction

This document covers the basic setup requirements for a Luxul Ethernet Switch. The setup examples and screenshots shown are for the Luxul model AMS-1208P, but these instructions are similar and applicable to other Luxul Ethernet Switch models.

## C2G Ethernet Switch Setup Requirements

All C2G AV over IP Encoders (Transmitters) and Decoders (Receivers) require IGMP support to be enabled on the Ethernet Switch and it is recommended that Jumbo Frames are enabled.

Also, note that all models below work on a 1G Ethernet Switch.

The below table specifies the IGMP and Jumbo Frames requirement per C2G AV over IP Encoder / Decoder model.

AV over IP Model	Ethernet Switch BW Required	IGMP Required	Jumbo Frame Recommended
29975	1G	X	X
29976	1G	X	X

## Ethernet Switch Setup

### Enabling IGMP

Follow the steps below to enable the IGMP feature on the Ethernet Switch. For further details on navigating through the Ethernet Switch web server menus, please refer to the Ethernet Switch manual.

**Step 1:** Access the Ethernet Switch web server

- Locate the Ethernet Switch default IP address
- Make sure your computer is on the same subnet as the Ethernet Switch (your network administration can assist you with this if required)
- Enter the Ethernet Switch IP address into a browser

### Step 2: IGMP Snooping Configuration

- Navigate to the menu: [Configuration → IPMC → IGMP Snooping → Basic Configuration]
- Set the configuration as shown below, and then click [Save]

Model: AMS-1208P  
Firmware Version: v4.0.6

**IGMP Snooping Configuration**

Global Configuration	
Snooping Enabled	<input checked="" type="checkbox"/>
Unregistered IP/MCv4 Flooding Enabled	<input type="checkbox"/>
IGMP SSM Range	232.0.0.0 / 8
Leave Proxy Enabled	<input checked="" type="checkbox"/>
Proxy Enabled	<input type="checkbox"/>

**Port Related Configuration**

Port	Router Port	Fast Leave	Throttling
+	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<->
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
8	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited
12	<input type="checkbox"/>	<input checked="" type="checkbox"/>	unlimited

Save Reset

- Navigate to the menu: [Configuration → IPMC → IGMP Snooping → VLAN Configuration]
- Click [Add New IGMP VLAN] Enter the settings shown below, and then click [Save]

Model: AMS-1208P  
Firmware Version: v4.0.6

**IGMP Snooping VLAN Configuration**

Start from VLAN: 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	Querier Election	Querier Address	Compatibility	PRI	RV	QI (sec)	QRI (0.1 sec)	LLQI (0.1 sec)	URI (sec)
<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.0.0.0	IGMP-Auto	0	2	125	100	10	1

Add New IGMP VLAN

Save Reset

Step 3: Save the above configuration changes

- Navigate to the menu: [Administration → Configuration → Save startup-config]
- Click on [Save Configuration]

## Enabling Jumbo Frames

Follow the steps below to enable the Jumbo Frames feature on the Ethernet Switch. For further details on navigating through the Ethernet Switch web server menus, please refer to the Ethernet Switch manual. Take note that by default, the jumbo frames feature may already be enabled.

## Step 1: Enable Jumbo Frames

- Navigate to the menu: [Configuration → Ports → Ports]
- For each port, set the “Maximum Frame Size” allowed, which in this case is the value “9600”, and then click [SAVE]

## Step 2: Save the above configuration changes

- Navigate to the menu: [Administration → Configuration → Save startup-config]
- Click on [Save Configuration]

## Preparing for System Installation

The Ethernet Switch is now properly configured to support C2G AV over IP devices with respect to IGMP and Jumbo Frames.

**Note** that C2G AV over IP Encoders (Transmitters) and Decoders (Receivers) is set by default with DHCP enabled.

If however, you intend to disable the DHCP on the Encoders (Transmitters) and Decoders (Receivers), then please take note that the default Static IP address for the Transmitters is 192.168.168.55, and for the Receivers is 192.168.168.56.

**Note** that in order for the entire system to operate correctly, the Ethernet Switch, C2G Encoders (Transmitters) and Decoders (Receivers), and the C2G Network Controller must all be on the same subnet. Devices with DHCP enabled will adjust automatically to the correct subnet, while devices with DHCP disabled, may need to be set by the user to the correct subnet, if not already set correctly. Your network administrator can assist with this configuration if you are not familiar with how to accomplish this task.

If you are having issues that require further assistance, please contact the respective device manufacturer for the device in question. For C2G device-related questions, please contact C2G Customer Technical Support at 800-506-9607.

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## Documents / Resources

 <p>C2G A Legrand Company</p> <p>Luxul Ethernet Switch Quick Setup Guide</p> <p>For C2G AV over IP Devices</p> <p>0 30211-014</p>	<p><a href="#">C2G 29975 Luxul Ethernet Switch</a> [pdf] User Guide 29975, 29976, Luxul Ethernet Switch</p>
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## References

-  [Welcome to Legrand - Legrand](#)
-  [Home, Office and Data Center Cable Products | Cables To Go | C2G](#)
-  [Professional AV Equipment and Devices | Legrand AV](#)

Manuals+.