

TP Link

Switch Configuration

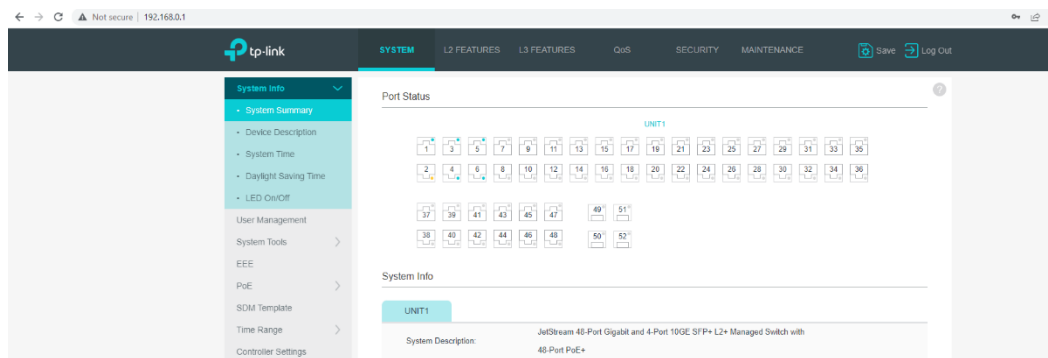
The EVO-IP HDMI over IP System has been tested and confirmed to work with the following TP Link Switches:

TL-SG3428MP, TL-SG3428XMP, TL-SG3452P, TL-SG3452XP

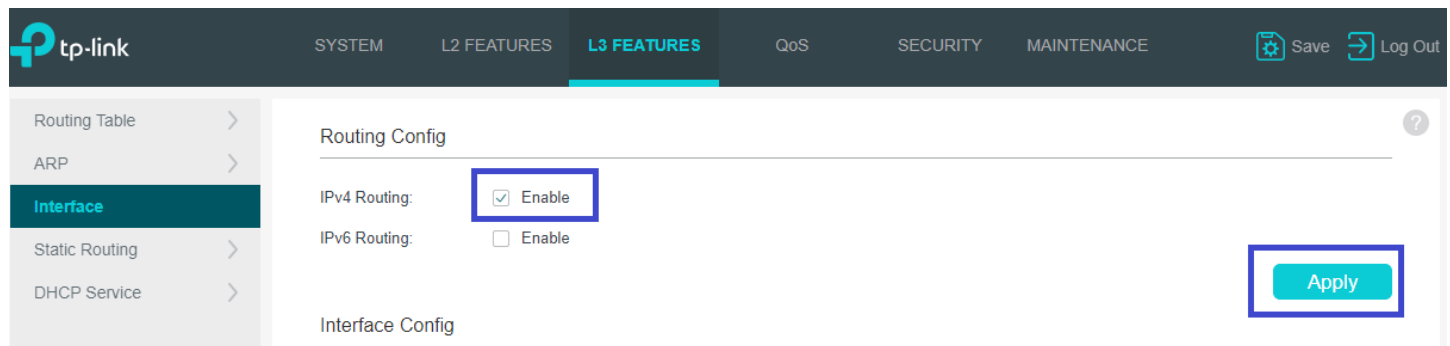
Below are screenshots (used with TL-SG3452XP) showing the configuration needed to get the system up and running. Please refer to their manual and instructions on how to get access to the TP-Link user interface to change the settings below.

Single Switch Systems:

1. Connect your computer and switch to the same network. Type in the default IP address of the TP-Link switch into a browser (192.168.0.1 in this case) and enter the default username and password of **admin**. You will be asked to change the password. Enter the NEW password and select **Log In** to get into the user interface.



2. By default, the IP address of the switch may be set to DHCP. To set this to static, select **L3 Features**, then **Interface**. Click to **Enable IPv4 Routing** then click **Apply**.



- Under the **Interface Config** menu, click on **Edit IPv4**.

Interface Config

+ Add - Delete

| <input type="checkbox"/> | Interface ID | IP Address Mode | IP Address | Subnet Mask | Interface Name | Status | Operation |
|--------------------------|--------------|-----------------|-------------|---------------|----------------|--------|--|
| <input type="checkbox"/> | VLAN1 | Static | 192.168.0.1 | 255.255.255.0 | | Up | Edit IPv4 Detail |
| Total: 1 | | | | | | | |

- Under the **Modify IPv4 Interface** menu, click to **Enable Admin Status**, select **Static**, and enter the desired IP address and Subnet Mask. When the information is correct, click on **Apply**.

Modify IPv4 Interface

Interface ID: VLAN1

Admin Status: Enable

Interface Name: (Optional. 1-16 characters)

IP Address Mode: None Static DHCP BOOTP

IP Address: (Format: 192.168.0.1)

Subnet Mask: (Format: 255.255.255.0)

[Apply](#)

- Next, select the **L2 Features** tab at the top of the screen, and select **Port** on the menu bar on the left of the screen. In the field next to **Jumbo** enter **9216** and click on **Apply**.

tp-link SYSTEM **L2 FEATURES** L3 FEATURES QoS SECURITY MAINTENANCE Save Log Out

Switching

- Port
- DDM
- LAG
- MAC Address

VLAN >

Multicast >

Port Config Port Isolation Loopback Detection

Port Config

Jumbo: bytes (1518-9216)

[Apply](#)

UNIT1 LAGS

| Port | Type | Description | Status | Speed | Duplex | Flow Control | LAG |
|------|------|-------------|--------|-------|--------|--------------|-----|
| | | | | | | | |

- Within the **L2 Features** tab, select **Multicast** from the menu bar on the left, then **MLD Snooping** from the dropdown menu. Under **Global Config**, click to **Enable MLD Snooping**, then select **Apply**.

tp-link SYSTEM **L2 FEATURES** L3 FEATURES QoS SECURITY MAINTENANCE Save Log Out

Switching >
VLAN >
Multicast ▾
• IGMP Snooping
• **MLD Snooping**
• MVR

Global Config Port Config Static Group Config

Global Config

MLD Snooping: **Enable**

Unknown Multicast Groups: Forward Discard

Apply

- Next, while still in the **L2 Features** tab and under the **Multicast** dropdown menu, select **IGMP Snooping**. Under the **Global Config** tab, click to **Enable IGMP Snooping**, select **V2**, and select to **Discard Unknown Multicast Groups**. Click **Apply** once finished.

tp-link SYSTEM **L2 FEATURES** L3 FEATURES QoS SECURITY MAINTENANCE Save Log Out

Switching >
VLAN >
Multicast ▾
• **IGMP Snooping**
• MLD Snooping
• MVR
• Multicast Filtering
• Multicast Info

Global Config Port Config Static Group Config IGMP Authentication

Global Config

IGMP Snooping: **Enable**

IGMP Version: v1 **v2** v3



Unknown Multicast Groups: Forward **Discard**

Header Validation: Enable

Apply

- Under the **IGMP VLAN Config** menu, select the edit icon on the right hand side of the menu to edit the settings.

IGMP VLAN Config

| VLAN ID | IGMP Snooping Status | Fast Leave | Report Suppression | IGMP Snooping Querier | Dynamic Router Ports | Static Router Ports | Forbidden Router Ports | Operation |
|----------|----------------------|------------|--------------------|-----------------------|----------------------|---------------------|------------------------|---|
| 1 | Enabled | Enabled | Enabled | Enabled | | | |   |
| Total: 1 | | | | | | | | |

- Select to enable the following settings, and make sure the **General Query Source IP** matches the IP address of the switch setup in Step 4. Click **Save** once you are finished.

Configure IGMP Snooping for VLAN

VLAN ID: 1

IGMP Snooping Status: Enable

Fast Leave: Enable

Report Suppression: Enable

Member Port Aging Time: seconds (60-600)

Router Port Aging Time: seconds (60-600)

Leave Time: seconds (1-30)

IGMP Snooping Querier: Enable

Query Interval: seconds (10-300)

Maximum Response Time: seconds (1-25)

Last Member Query Interval: seconds (1-5)

Last Member Query Count: (1-5)

General Query Source IP: (Optional. Format: 192.168.0.1)

Static Router Ports

UNIT1 LAGS

- Within the **IGMP Snooping** menu, select the **Port Config** tab. Click on the checkbox to select all ports, then click under the **Fast Leave** heading and select **Enable**. Click on **Apply** once finished.

Switching >

VLAN >

Multicast

- IGMP Snooping
- MLD Snooping
- MVR
- Multicast Filtering
- Multicast Info

Spanning Tree >

LLDP >

L2PT

PPPoE

Global Config Static Group Config IGMP Authentication

Port Config

UNIT1 LAGS

| | Port | IGMP Snooping | Fast Leave | LAG |
|-------------------------------------|--------|---------------|------------|-----|
| <input checked="" type="checkbox"/> | | | Enable | |
| <input checked="" type="checkbox"/> | 1/0/1 | Enabled | Enable | --- |
| <input checked="" type="checkbox"/> | 1/0/2 | Enabled | Enable | --- |
| <input checked="" type="checkbox"/> | 1/0/3 | Enabled | Disable | --- |
| <input checked="" type="checkbox"/> | 1/0/4 | Enabled | Enabled | --- |
| <input checked="" type="checkbox"/> | 1/0/5 | Enabled | Enabled | --- |
| <input checked="" type="checkbox"/> | 1/0/6 | Enabled | Enabled | --- |
| <input checked="" type="checkbox"/> | 1/0/7 | Enabled | Enabled | --- |
| <input checked="" type="checkbox"/> | 1/0/8 | Enabled | Enabled | --- |
| <input checked="" type="checkbox"/> | 1/0/9 | Enabled | Enabled | --- |
| <input checked="" type="checkbox"/> | 1/0/10 | Enabled | Enabled | --- |

Total: 52 52 entries selected.

11. Once you are finished, click on **Save** in the upper right corner to save the settings you enabled to ensure that no settings are lost in the event of a power failure.



12. After the settings of the switch have been saved, go to the **SYSTEM** tab on the top of the screen, then **System Tools**, then select **System Reboot** to reboot the switch. Once the switch has been rebooted, EVO-IP is ready to be setup and used.

