

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.

← → C A Not secure 192.168.0.1										0. G B
ት	tp-link	SYSTEM						Save →		
sy	ystem Info 🛛 🗸	Port Status							0	
	System Summary								-	
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Device Description System Time Daylight Saving Time LED On/Off ser Management rystem Tools	1 2 37 38	3 5 7 4 6 8 5 4 5 4 4 43 4 4 4 4 4 4 4 4 4 4 4 4 4	9 11 13 1 10 12 14 5 44 47 9 45 44 9	UNIT1 5 17 19 6 18 20 6 18 20 51 51	21 23 2 22 24 2 24 2	5 27 29 31 33 6 28 30 32 14 7 19 19 19 19	38 38		
EE Po SD Tim Co	EE DM Template me Range Dnrtoller Settings	System Info UNIT1 System D	Description:	JelStream 48-Port 48-Port PoE+	Gigabit and 4-Port	10GE SFP+ L2+ M	Managed Switch with			

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.

₽tp-link	SYSTEM	L2 FEATURES	L3 FEATURES	QoS	SECURITY	MAINTENANCE	Save 🗲 Log Out
Routing Table	Routing Con	fig	_				0
Interface	IPv4 Routing:	C Enable	9				
Static Routing	IPv6 Routing:	Enable	•				Apply
DHCP Service	Interface Co	nfig					



3. Under the Interface Config menu, click on Edit IPv4.

Interface	Config						
							🕂 Add 😑 Delete
	Interface ID	IP Address Mode	IP Address	Subnet Mask	Interface Name	Status	Operation
	VLAN1	Static	192.168.0.1	255.255.255.0		Up	Edit IPv4 Edit IPv6
Total: 1							

4. 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:	O None O Static O	DHCP O BOOTP
IP Address:	192.168.0.1	(Format: 192.168.0.1)
Subnet Mask:	255.255.255.0	(Format: 255.255.255.0)
		Apply

5. 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.

Ptp-link	SYSTEM L2 FE	ATURES L3 FEATURES	QoS	SECURITY	MAINTENANCE	🔊 Save
Switching V • Port	Port Config Po	Drt Isolation Loopback Det	tection			0
• DDM	Port Config					
• LAG	Jumbo:	9216	bytes (1518-9216)			
MAC Address		·				Apply
VLAN						
Multicast >	UNIT1	LAGS				
Coopping Tree	Dort	Tuna Description	e Ctatua	Crood	Duplay Flaw C	antral LAC



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

Ptp-link	SYSTEM L2 FEATURES L3 FEATURES QoS SECURITY MAINTENANCE	🙀 Save 🄁 Log Out
Switching >	Global Config Port Config Static Group Config	0
VLAN >		
Multicast 🗸 🗸	Global Config	
IGMP Snooping	MLD Snooping: C Enable	
MLD Snooping	Unknown Multicast Groups: O Forward O Discard	
• MVR		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.

Ptp-link	SYSTEM L2 FEATURES	3 FEATURES QoS	SECURITY	MAINTENANCE	Save 🗲 Log Out
Switching > VLAN >	Global Config Port Config	Static Group Config IG	MP Authentication		0
Multicast 🗸 🗸	Global Config				
IGMP Snooping	IGMP Snooping:	C Enable			
MLD Snooping	IGMP Version:	○ v1	○ v3		
• MVR	Unknown Multicast Groups:	O Forward 🚺 D	liscard		
Multicast Filtering	Header Validation:	Enable			
Multicast Info					Apply

8. 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





9. 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 Snoo	ping for VLA	AN				
VLAN ID:	1					
IGMP Snooping Status:	 Enable 					
Fast Leave:	Enable					
Report Suppression:	Enable					
Member Port Aging Time:	260	seconds (60-600)				
Router Port Aging Time:	300	seconds (60-600)				
Leave Time:	1	seconds (1-30)				
IGMP Snooping Querier:	Enable					
Query Interval:	60	seconds (10-300)				
Maximum Response Time:	10	seconds (1-25)				
Last Member Query Interval:	1	seconds (1-5)				
Last Member Query Count:	2	(1-5)				
General Query Source IP:	192.168.0.1	(Optional. Format: 192.168.0.1	1)			
Static Router Ports						
			UNIT1	LAGS		
					Canc	el

10. 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	>	Global Config	Port Config	Static Group Config	Authentication		
VLAN	>	Clobal Coning			Automication		
Multicast	\sim	Port Config					
IGMP Snooping		UNIT1	LAGS				
MLD Snooping			Port	IGMP Snooping	Fast Leave	LAG	
• MVR				· · ·	Enable 🔹		
Multicast Filtering			1/0/1	Enabled			^
Multicast Info			1/0/2	Enabled	Enable		
Spanning Tree	>		1/0/3	Enabled	Disable		
LLDP	>		1/0/4	Enabled	Enabled		
L2PT			1/0/5	Enabled	Enabled		
PPPoE			1/0/6	Enabled	Enabled		
			1/0/7	Enabled	Enabled		
			1/0/8	Enabled	Enabled		
			1/0/9	Enabled	Enabled		
			1/0/10	Enabled	Enabled		•
		Total: 52		52 entri	ies selected.	Cancel	Apply



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.



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 as been rebooted, EVO-IP is ready to be setup and used.

Ptp-link	SYSTEM	L2 FEATURES	L3 FEATURES	QoS	SECURITY	MAINTENANCE	Save	→ Log Out
System Info > User Management System Tools >	System Re System Reb	boot Reboot	Schedule					0
 Boot Config Restore Config Backup Config Firmware Upgrade DHCP Auto Install System Reboot System Reset 	Target Unit: Notes: To avoid dama	All Unit	the current configuration	n before reboot ng.			Reb	oot