# WyreStorm NetworkHD Switch Configuration Guide Pakedge SX Series Switches

# Pakedge series switches can be used for single switch networking only at present. In this guide the Pakedge SX-24P is used as an example.

Please note: If using POE with the NHD-000-CTL ensure that POE is disabled to one of the ports.

# Logging in to the Switch

1. Connect your PC to the switch and configure it's IP address to the same range of the switch (default 192.168.1.xxx). Enter the switch's web login IP address (default is **192.168.1.205**) to your browser and then press **Enter**.



- 2. Input your username (default is **"pakedge"**) and password (default is **"pakedges"**)
- 3. Then click Log In.

# **Resetting to Factory Defaults**

It is highly recommended that before starting you reset the switch to its factory default settings.

#### 1. Choose Management > Maintenance.



2. Choose Factory Default, then click Reset System.



The following prompt appears.



3. Just click **OK**, the following screen appears.

SX-24P (I) System	Ports	VLAN	Traffic	Managemèogout
Configuration File Firmware	<sup>Updat</sup> Please wait.	. Switch will reboot af	iter this step.	
The	device will gin passwo	Rebooting1%	tings includi n will reboo	ing t.
		Reset System	91	
		pakedgedevice&software inc		-

 $\ensuremath{\mathsf{Please}}$  wait until the switch completes the rebooting, you will need log in to the switch again.

# **IGMP Configuration**

#### **Basic configuration**

1. Choose Traffic > IGMP



2. Select Enable in the dropdown list of the item IGMP Status. Then click Apply.

SX-24P 🗊 System	Ports	VLAN	Traffic	Managemengout
1GMP				
IGMP Snooping Multi	cast Filtering Fast Leave Multic	ast Group		
		IGMP Global Setup		
	IGMP Status Enable	Multicast VLAN Registra	tion Status Disable v	
	_	Apply Clear		

# NETWORK HD

The following prompt appears.



3. Click **OK** and the following screen appears.

	5) »)		(	Ports		LAN (]	) Traffic		Managemeogout
↑) IGN	ЛР								
GMP Sno	opina	Multica	st Filtering	Fast Leave	Multicast Group	_			
	oping				Configured su	ccessfully!			
					IGMP Globa	al Setup			
			ICMP	Chature Er	able . Multimet VI	AN Desistration Status	Disable	_	
			IGMP S	Status	Multicast VL	AN Registration Status	Disable	•	
			IGMP !	Status Er	Apply	AN Registration Status	Disable	•	
			IGMP :	Status Er	Apply	AN Registration Status	Disable	•	
			IGMP S	Status Er Routing Port Age	Apply Group-general Query Max Response Time	AN Registration Status	Disable Host Port	Unknown Multicast Drop	
	ID	VLAN ID	IGMP : Querier State	Status Er Routing Port Age	Apply Group-general Query Max Response Time 10	AN Registration Status Clear Group-specific Query Max Response Time 2	Disable Host Port Age	Unknown Multicast Drop	
	ID 1	VLAN ID	IGMP : Querier State Enable	Status Er Routing Port Age 105	Abble Multicast VI	AN Registration Status Clear Group-specific Query Max Response Time 2	Disable Host Port Age 260	Unknown Multicast Drop Disable	

As shown in the figure above and marked by the green frame, move your mouse to the first row of the list, then click the pencil icon on the left.

Scroll down the page and select **Enable** in the dropdown list of **Unknown Multicast Drop**, then click **Apply**.



The switch will show a successful notification, in the first row of the list, the value of the column **Unknown Multicast Drop** should now say **Enable**, as marked by the red frame.



### **PoE Configuration**

For PoE switches, make sure to disable PoE in ports that are not used to power PoE devices and on one port of the NHD-000-CTL. For non-PoE switches, skip the following steps. This example shows how to disable PoE in ports 17-24 that are not used to power PoE devices.

1. Choose **Ports -> PoE.** 

SX 240 Experiment System Settings Security Time Range Management	Ports Port Settings Pot MAC Control	Configuration MAC VLAN Protocol VLAN Voice VLAN	Traffic QoS ACL STP IGMP DHCP Relay DHCP Snooping	Management Logout Maintenance SNMP LDP Syslog Network Diagnostics
	Traffic	) ( : Man	agement	
192.168.1.205/port_poe.html		pakedgedevice&software inc		

2. Select the ports not used to power PoE devices by clicking the corresponding icons. Once an icon selected, it will turn blue to indicate that the port is selected.

Please note: In the example, we assume that ports 17-24 are not used to power PoE devices. If actual applications vary, select ports according to the site's situation.



Scroll down the page and select **Disable** in the dropdown list of the item **PoE Power Status**, then click **Apply.** 



The round icons, marked with red frames, corresponding to ports 17-24 are gray which mean that PoE features are turned off.

SX-24P	24P 🗊 System		Ports		VLAN		C	Traffic		Management Logout		
2	4	6	8	10	12	14	16	18	20	22	24	
0 0 802.3at	002.3at	002.3at	0 0 802.3at	0 0 802.3at	0 0 802.3at	0 (0) 802.3at	0 0 802.3at	802.3at	802.3at	802.3at	802.3at	
Low 30(W) 	Low 30(W) 	Low 30(W)	Low 30(W)	Low 30(W) 	Low 30(W) 	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W) 	Low 30(W)	=
802.3at	3 002.3at	5 802.3at	7	9 802.3at	11 0 0 802.3at	13	15	17 802.3at	19	21	23	
 Low 30(W) 	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	Low 30(W)	
					Enabled pakedgedev	Operation	inc					