SG350X, Sx550X: Unable to Change XG Port Settings on a Switch

Date Identified

March 30, 2016

Date Resolved

N/A

Products Affected

Model	Firmware Version	Fixed In
S G 3 5 0 X , Sx550X	2.2.0.x	2.3.0 .130

Issue Description

The XG port setting cannot be changed to disable negotiation and set speed at the same time via the web-based utility of the switch.

Resolution

Upgrade the firmware of the switch to the latest version. For instructions, click here.

Workaround

If you do not want to upgrade the firmware of the switch for some reason, you can perform the following workaround:

Step 1. Log in to the web-based utility of your switch. The default username and password is cisco/cisco.

Note: If you already have changed the password or created a new account, enter your new credentials instead.
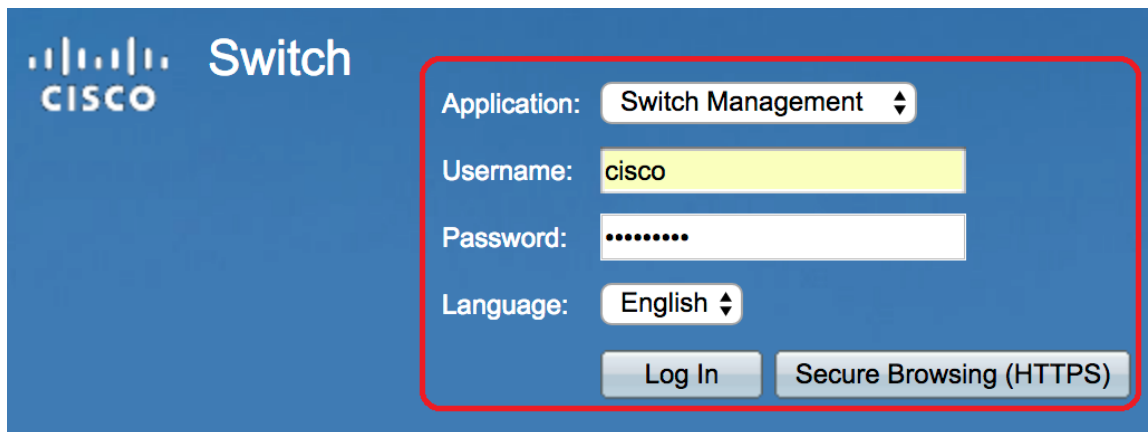
Step 2. Choose **Port Management > Port Settings**.
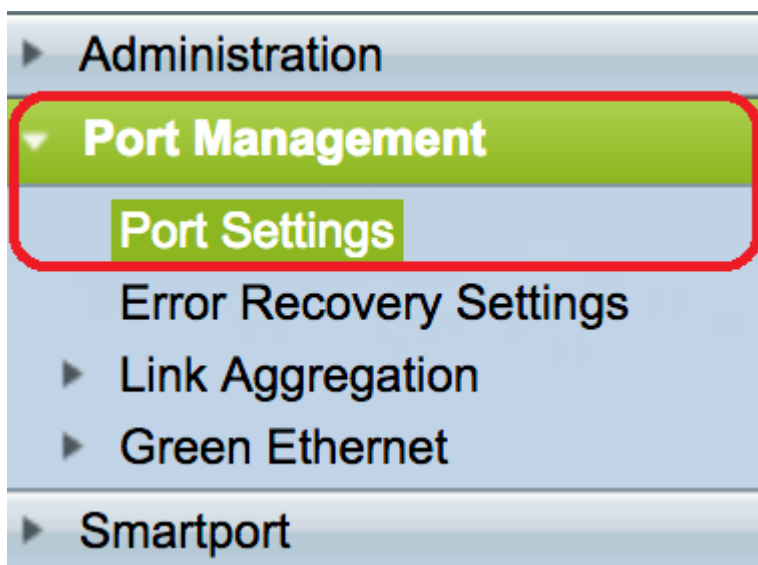
Step 3. In the Port Settings Table, click the radio button that corresponds to the port that you want to configure then click **Edit**.

Port Settings Table

Filter: Interface Type equals to [Port of Unit 1 ▾] [Go]

	Entry No.	Port	Description	Port Type	Operational Status	Port Speed	Duplex Mode	LAG	Protection State
○	1	XG1		10G-Copper	Down				Unprotected
⦿	2	XG2		10G-Copper	Up	10G	Full		Unprotected
○	3	XG3		10G-Copper	Up	10G	Full		Unprotected
○	4	XG4		10G-Copper	Down				Unprotected
○	5	XG5		10G-Copper	Down				Unprotected
○	6	XG6		10G-Copper	Down				Unprotected
○	7	XG7		10G-Copper	Down				Unprotected
○	8	XG8		10G-Copper	Down				Unprotected
○	9	XG9		10G-FiberOptics	Down				Unprotected
○	10	XG10		10G-FiberOptics	Down				Unprotected
○	11	XG11		10G-FiberOptics	Down				Unprotected
○	12	XG12		10G-FiberOptics	Down				Unprotected
○	13	XG13		10G-FiberOptics	Down				Unprotected
○	14	XG14		10G-FiberOptics	Down				Unprotected
○	15	XG15		10G-FiberOptics	Down				Unprotected
○	16	XG16		10G-FiberOptics	Down				Unprotected
○	17	OOB		1000M-Copper	Up	1000M	Full	N/A	N/A

[Copy Settings...] [Edit...]

Note: In this example, XG2 is chosen.

Step 4. Uncheck the Auto Negotiation **Enable** check box to disable auto negotiation then click **Apply**.

Auto Negotiation: ☐ Enable   Operational Auto Negotiation: Enabled

Administrative Port Speed: ○ 100M   Operational Port Speed: 10G
                          ○ 1000M
                          ⦿ 10G

Auto Advertisement: ☑ Max Capability ☐ 1000 Full   Operational Advertisement: Max Capability
                    ☐ 100 Full
                    ☐ 10000 Full

Preference Mode: ⦿ Slave
                    ○ Master

Neighbor Advertisement: 100 Full 1000 Full 10000 Full

Flow Control: ○ Enable
                    ⦿ Disable
                    ○ Auto Negotiation

MDI/MDIX: ○ MDIX   Operational MDI/MDIX: MDIX
                    ○ MDI
                    ⦿ Auto

Protected Port: ☐ Enable

                                              Member in LAG:

[Apply] [Close]

Step 5. Click the port speed from the Administrative Port Speed area.

Auto Negotiation:	☐ Enable	Operational Auto Negotiation:
Administrative Port Speed:	○ 100M **◉ 1000M** 10G	Operational Port Speed:

Note: In this example, 1000M is chosen.

Step 6. Click **Apply** then click **Close**.

Auto Negotiation:	☐ Enable		Operational Auto Negotiation:	
Administrative Port Speed:	○ 100M ◉ 1000M ○ 10G		Operational Port Speed:	
Auto Advertisement:	☑ Max Capability ☐ 1000 Full ☐ 100 Full ☐ 10000 Full		Operational Advertisement:	Unknown
Preference Mode:	◉ Slave ○ Master			
Neighbor Advertisement:	Unknown			
Flow Control:	○ Enable ◉ Disable ○ Auto Negotiation			
MDI/MDIX:	○ MDIX ○ MDI ◉ Auto		Operational MDI/MDIX:	
Protected Port:	☐ Enable			
			Member in LAG:	

Apply   Close

Step 7. (Optional) Click the **Save** button to save the settings to the startup configuration file.

⊗ Save   cisco   Language: English

F8T 16-Port 10G Stackable Managed Switch

Port Settings

Jumbo Frames: ☐ Enable

Jumbo frames configuration changes will take effect after saving the configuration and rebooting the switch.

Apply   Cancel

Port Settings Table

Filter: *Interface Type* equals to   Port of Unit 1 ⬍   Go

	Entry No.	Port	Description	Port Type	Operational Status	Port Speed	Duplex Mode	LAG	Protection State
○	1	XG1		10G-Copper	Down				Unprotected
○	2	XG2		10G-Copper	Up	1000M	Full		Unprotected
○	3	XG3		10G-Copper	Up	10G	Full		Unprotected
○	4	XG4		10G-Copper	Down				Unprotected

You should now have successfully disabled the auto negotiation and changed the port speed setting through the web-based utility of the switch.