Cisco 300 Series Configuration for use with myMix

Before you start:

- You need a computer with a web browser application.
- You need the configuration files for the Cisco 300 Series on the hard drive of this computer They can be downloaded from <u>www.mymixaudio.com/ethernetswitches</u>
- You need one CAT5 cable to connect to one of the Fast Ethernet ports of the 300 Series switch.

For the configuration you should not have anything connected to the switch!

Power up the switch by plugging the power adaptor to the switch. The switch will take several minutes to boot up. Turn off your wireless adapter in your computer. Don't use any other LAN connection on your computer!

Change your computer's IP to the static address 192.168.1.100 (if you know how to do that you can go straight to topic 1).

Depending on which version of Windows you are using the steps to get to the Network Connections may vary here the steps for **Windows XP** (Vista and Windows 7 below)

On the Start Menu select the Control Panel and then select Network Connections.



In the Local Area Connections for your PC, select the Local Area Connection that is tied to the Ethernet port on the machine and right-click on it. A dialog menu will come up and at the bottom, select Properties.

Network Connections	- 68
He Edit View Favorites Tools Advanced Help	R
😋 Back • 🜍 · 🍠 🔎 Search 🔛 Folders 🛄 -	
eldress 🔍 Network Connections	💌 🔁 🚥
Network Tasks	
Greate a new connection	
Set up a home or small office network.	
😂 Change Windows Firewal	

Select the highlighted item and then select the Properties button on the lower right side.

🕹 Local Area Connection Properties 🛛 🔹 💽
General Advanced
Connect using:
B VMware Accelerated AMD PCNet Ad Configure
This connection uses the following items:
Client for Microsoft Networks
File and Printer Sharing for Microsoft Networks Image: Constraint of the state of the stateo
Internet Protocol (TCP/IP)
Install Uninstall Properties
Description
Allows your computer to access resources on a Microsoft

Under the Internet Protocol Properties, change the selection from "Obtain an IP address automatically" to "Use the following IP address." In the IP address, set it to 192.168.1.100 and the Subnet mask to 255.255.255.0. Click Ok to apply the settings, and then click Ok again for the previous Properties window.

Internet Protocol (TCP/IP) Properties 🛛 🕐 🔀			
General			
You can get IP settings assigned autor this capability. Dtherwise, you need to the appropriate IP settings. Obtain an IP address automatical	matically if your network supports ask your network administrator for ly		
IP address:	192.168.1.100		
Subnet mask:	255.255.255.0		
Default gateway:			
Obtain DNS server address automatically			
Preferred DNS server:			
Alternate DNS server:			
Advanced			

Your computers IP address is now set statically. (If you later want to use the LAN port for the internet, go back to the menu above and re-select obtain an IP address automatically).

Windows 7

Open Control Panel and click on "Network status and tasks"



Then click on "Change adapter settings"



Click on properties (right click)



Select IPv4, then properties:

📮 Local Area Connection 2 Properties 🛛	×
Networking	
Connect using:	
Intel(R) PR0/1000 MT Network Connection	
Configure	ר
This connection uses the following items:	
Gos Packet Scheduler Gos Packet Sched	
Install Uninstall Properties	
Description	
Allows your computer to access resources on a Microsoft network.	
OK Cance	el 🛛

Change to "Use the following IP address and enter 192.168.1.100 and subnet mask 255.255.255.0

Internet Protocol Version 4 (TCP/IPv4) Properties 🛛 👘 🔤			
General			
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.			
Use the following IP address:	ıγ		
IP address:	192.168.1.100		
Subnet mask:	255.255.255.0		
Default gateway:	· · ·]		
Obtain DNS server address automatically			
Preferred DNS cerver:	J C55C5,		
Alternate DNS server:	· · ·		
Validate settings upon exit	Advanced		
	OK Cancel		

Connect to the switch - transfer the configuration file and save it

1. Connect on Fast Ethernet Port of the switch to the LAN port of your computer with a network cable.

2. Open your web browser and type in the following address - http://192.168.1.254.

The log in page will come up:

uluulu Switch cısco	Username:
	Password:
	Language: <mark>English -</mark>
	Log In

3. Enter username and password to log in. If you haven't changed it before the default setting is:

user name: **cisco**

password : cisco

4. After you enter the password you will be prompted for a new password.

IMPORTANT NOTE: since 12/2011 there is a new firmware rev on the switches available (1.1.2).

If you see a rule about a minimum 8 digit password that means you have a switch with new firmware. Please carefully pay attention to the differences.

If you have the original release firmware (1.0.27) you can leave the field for the new password blank.

If you have new firmware use: Pa\$\$word

Once the password change is accepted, you will see the "Getting Started" page.

cisco SF 302-0	s 8MP 8-Port 10/100 PoE Managed Switch	Within class Language English • Loped About	
Getting Startled 9 State and Statistics 4 Administration 1 Port Management 9 VLAN Management 9 Spanning Tree 9 MAC Address Tables 9 MAC Address Tables 9 MAC Address Control 9 Access Control 9 Access Control 0 Quality Concon 9 System 9 Quality Concon	Getting Started This page provides easy steps to configure your device Initial Setup Change Device #Address Crashy Device #Address Configure Port Setings Image Device Status System Summary Port Statistics Rich Resteries View Log	Cluring Device Password Ungradue Device Stithean Backup Device Condiguation Create M/C Based ACL Create Passed ACL Configure Port Milmoting	
	Other resources - Surged Function		

5. On the left side under Administration, select File Management and then Download/Backup Configuration/Log. Select as transfer method "via HTTP". Save Action should be on "Download".

New firmware version will be on transfer via HTTP already.



Screen view with original firmware.

SF 302-08MP 8-Port 10/100 ×	•	<u> </u>
← → C (S) 192.168.1.250/	/csc592e568/home.htm	\$ \$
CISCO SF 302-08M	cisco Language: English Cogout P 8-Port 10/100 PoE Managed Switch	About Help
Getting Started Status and Statistics	Download/Backup Configuration/Log	
System Summary Interface Etherlike	Transfer Method: O via TFTP via HTTP/HTTPS	
GVRP 802.1x EAP TCAM Utilization	Save Action:	
Kmon View Log Administration	Source File Name: Choose File No file chosen Destination File Type: Startup configuration Backup configuration	
System Settings ► Management Interface User Accounts Idle Session Timeout	Apply Cancel	
 ▶ Time Settings ▶ System Log ▼ File Management 		
Upgrade/Backup Firmwa Active Image Download/Backup Config	Ψ	

Screen view with firmware 1.1.2.

Click Browse / Choose file and navigate to the location of the configuration file.

Make sure you select the correct file for your switch!. There are configuration files for different models.

Name	Date modified	Туре	Size
🔁 myMix_Cisco300Series_Config	01.08.2011 17:03	Adobe Acrobat D	368 KB
SF300-24P_g4_Uplink	07.04.2011 10:03	Text Document	2 KB
SF300-48P_g4_Uplink	07.04.2011 10:04	Text Document	2 KB
SF302-08_g2_Uplink	07.04.2011 10:02	Text Document	2 KB
SF302-08MP_g2_Uplink	07.04.2011 10:02	Text Document	2 KB
SG300-10_G1-G8_Uplink	31.08.2011 17:15	Text Document	2 KB
SG302-08_All_Uplink	21.04.2011 15:20	Text Document	2 KB

Select Destination File Type: Running configuration.

6. Hit Apply. Confirm the notification that you should not change windows while download is active.

7. You'll get a prompt that the download was successful. You can also see the size of the data transferred. It should show about 1600kb. If this shows 0kb, the transfer was not successful.

Now if you have the original firmware the setting needs to be saved, follow through steps 8,9, 10.

IF you have the new firmware 1.1.2. the setting has been transferred to the startup configuration only (not running config) to make it active Reboot the switch (takes 2 minutes or so to power up) then test it (11).

In the original firmware the file has been copied to the running configuration and need now to be saved in the startup configuration. If configuration of the switch has been touched a "Save" indicator with a little red icon in the top bar:



8. In Administration , File Management

Go to Copy/Safe Configuration



Source File Name: Running configuration Destination File Name: Startup configuration

9. Hit Apply. The "Save" icon will disappear. As long as it is present the setting has NOT been saved.

10. Once confirmed that the configuration file has been saved : **Reboot the switch**.

In new firmware the settings become only active after rebooting.

Note: the myMix configuration files have as password a blank field. So next time you want to log on, user name: cisco, pw:_____ (leave empty). If you can't log on with that information and need to use the "Pa\$\$word" to log on, then the config files has not been transferred correctly. Repeat.

11. To verify the correct setting

connect two myMix devices to the Fast Ethernet ports

send audio from one to the other device. You should hear the audio clear and crisp.

Also check under Settings –Administration – About this myMix the Master Clock Address: this should be the same on both devices. If that's not the case, repeat the procedure.

If you follow the above instructions your myMix system should work perfectly.