Manual configuration of Cisco 300 Series switches- shown on SF302-08MP
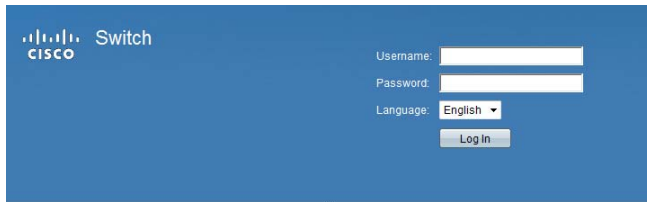
This sheet shows how to configure the 8 port Cisco SF 302-08MP switch for myMix.
If you have another model from the 300 Series the configuration is accordingly.

0. Connect to the Switch and Log-On

Power up the switch, and connect on Ethernet port with your computer. (We recommend to turn wireless off). Open your internet browser and connect to : 192.168.1.254 .
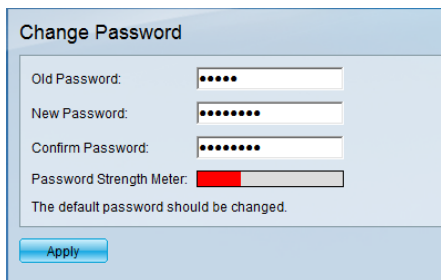You'll get to the log-on screen:
Username and password is: Cisco.

You will be prompted to create a new password. We suggest you use: password

1. Create VLAN 2, Name it AVB (or mymix....)
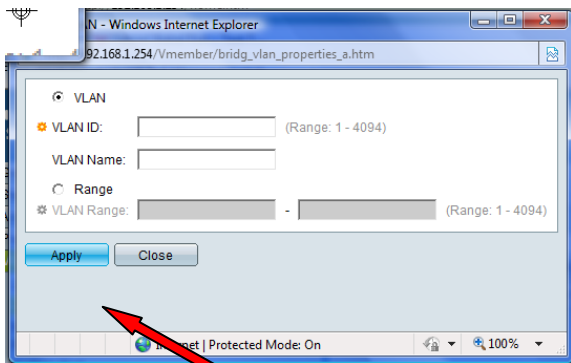
On the Getting Started Screen click on Create VLAN

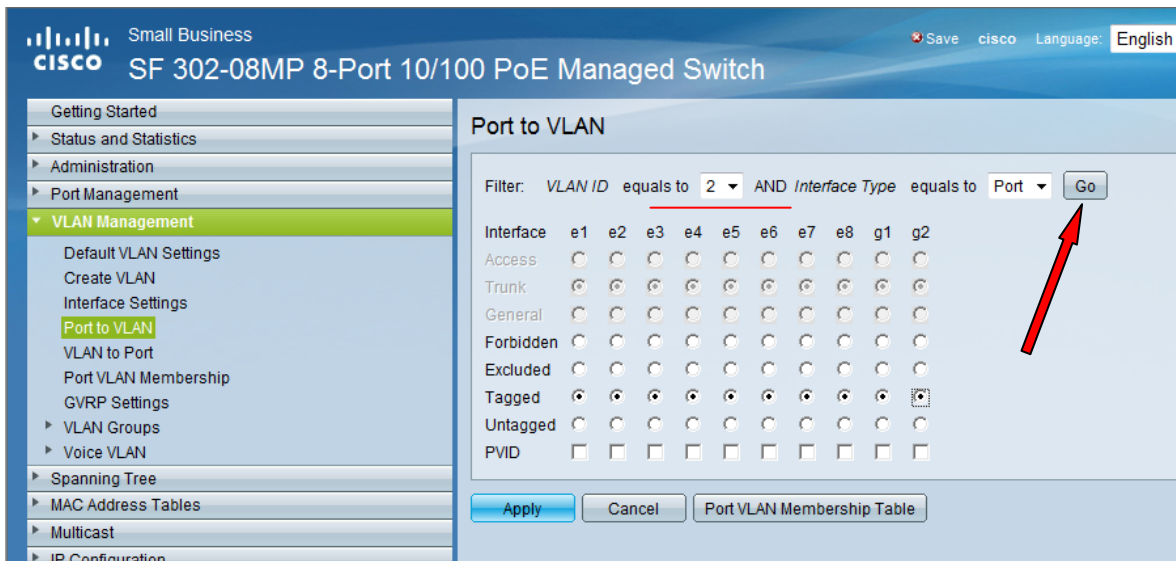Or in the main menu, navigate to VLAN Management |Create VLAN
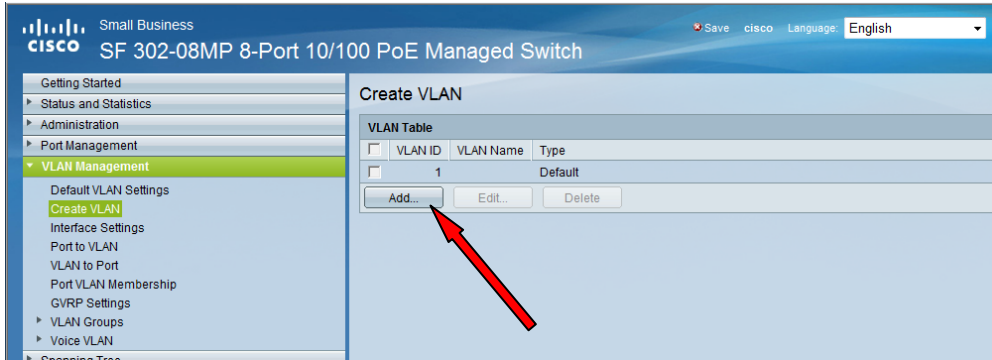
Press Add

VLAN ID: 2

VLAND Name: e.g. AVB
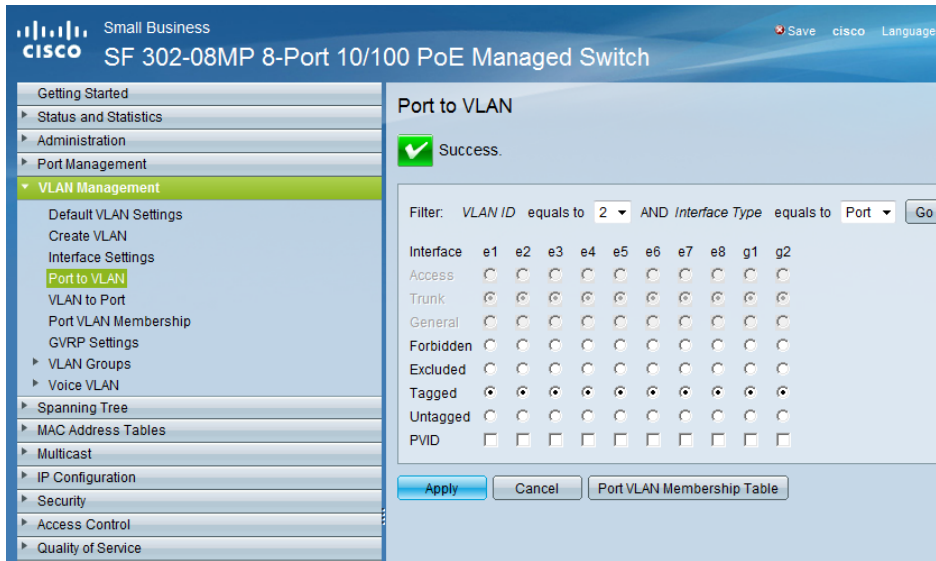
Press Apply, and then press Close.

2. Assign all AVB Ports as Tagged on VLAN 2

Navigate to VLAN Management | Port to VLAN

Select VLAN 2 and press go

Mark all ports that are used for myMix as Tagged (typically all Ports on the switch)
Press Apply.
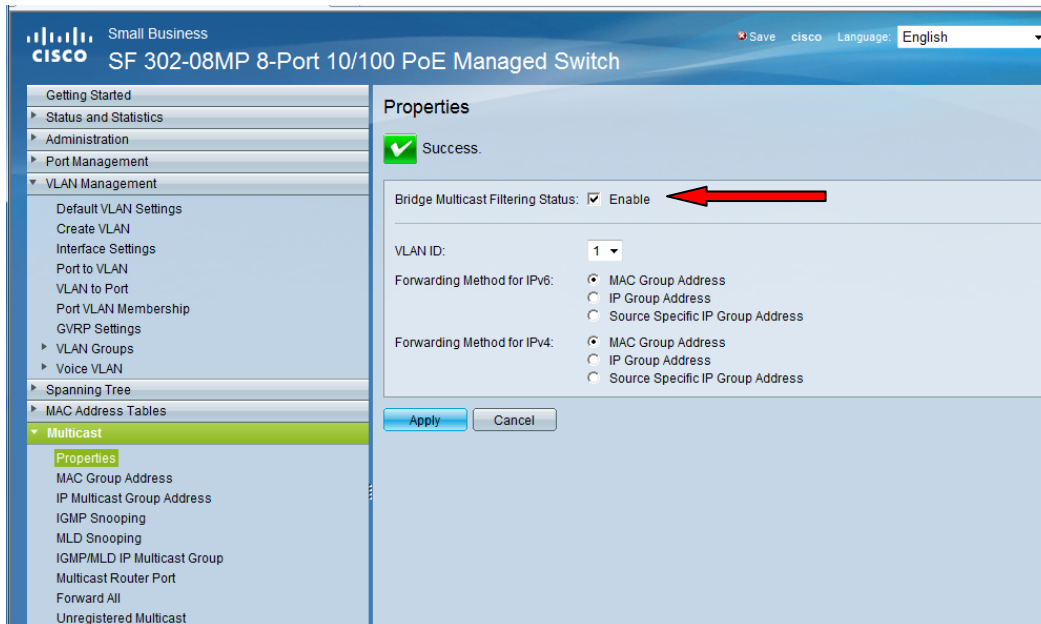

3. Enable Bridge Multicast Filtering

Navigate to Multicast | Properties

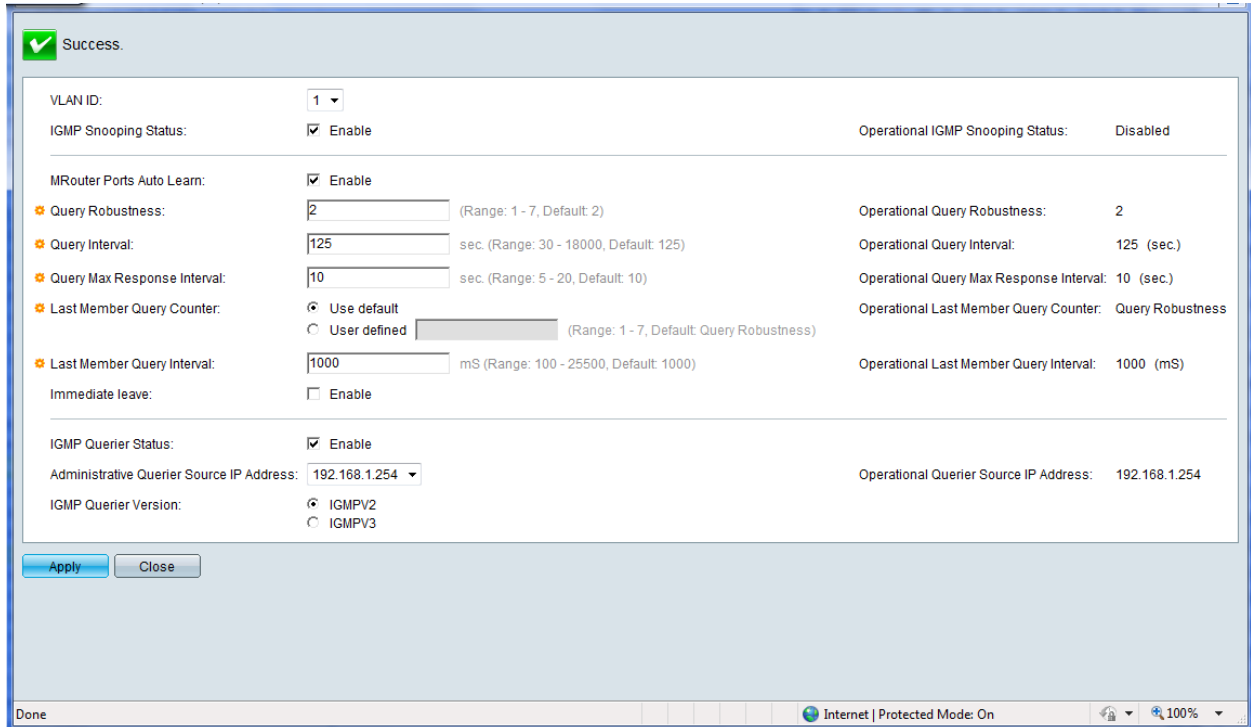Check Bridge Multicast Filtering Status Enable
Press Apply

4. Enable IGMP Snooping and IGMP Querier on both VLAN 1 & VLAN 2
Navigate to Multicast | IGMP Snooping

Check IGMP Snooping Status Enable
Select radio button in front of VLAN 1
Press Edit

Check IGMP Snooping Status Enable
Check IGMP Querier Status Enable
Press Apply

Select VLAN 2
Check IGMP Snooping Status Enable
Check IGMP Querier Status Enable
Press Apply
On the IGMP Snooping Screen you should see both VLANS with the information below.
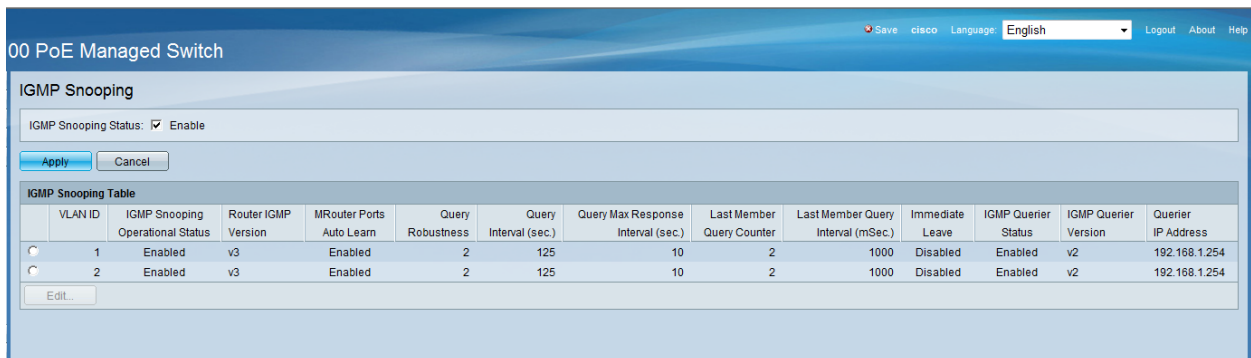
5. Set unregistered multicast to be filtered on all myMix Ports (typically all ports)

Navigate to Multicast | Unregistered Multicast

Select Radio Button for first myMix Port

Press Edit

Select Filtering

Press Apply

Select First port and press Copy Settings

Enter 2-8 (or 2-9 if you want to include G1 port) into: field. On SF300-24P typically E1 to E24

If you plan to use G2 as uplink port, leave G2 on forwarding! (On SF300-24P, G1-4 on forwarding)

press Apply

6. Exempt PTP Traffic from Filtering

Under Multicast, go to MAC Group Address

Select Add

Enter 1 for VLAN ID and for the MAC Group Address 91:e0:f0:00:ff:00

Select Apply
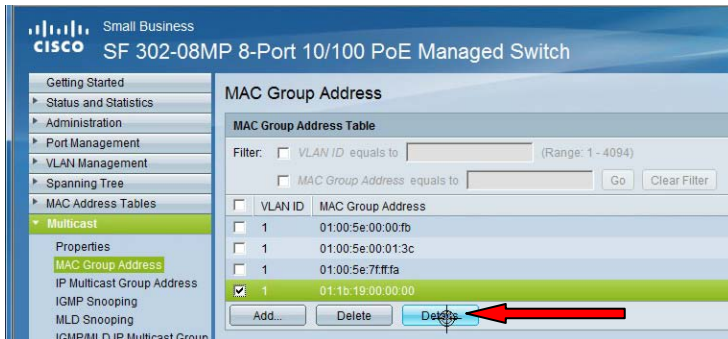
Check the MAC address that was just added and select Details
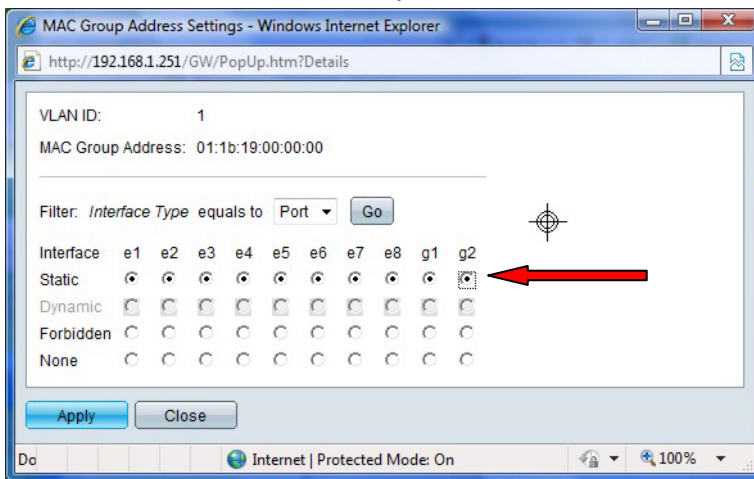
Under the MAC Group Address Settings, change the setting from none to static for each port and select Apply

7. Save all settings
Press Save on top bar (To the left of Language drop down)
You'll get a prompt not to move to other screens while in progress. Press OK.
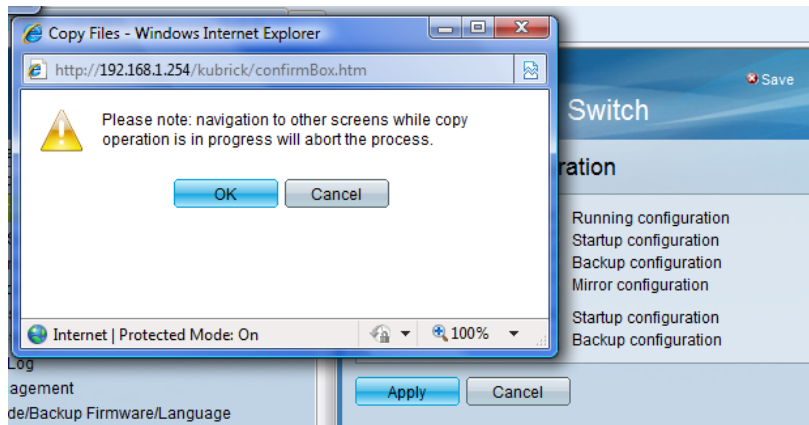
Additional steps to configure Gigabit ports as uplink:

Note when you use more than one switch you also need to set different IP addresses, within the same gateway.. Cisco 300 Series is by default set to 192.168.1.254, so you could use any address between 192.168.1.2 and 192.168.1.253. We recommend to use .240 to .252. We recommend to put a label with the new IP adress on the switch.

On the Getting Started Page you'll find the link to change the IP address.

Check the box Static

Type in a valid IP address and check the New IP address enable now.

Apply.

After you changed the IP address you need to log on again.

After you have logged in with the new IP address, go to Multicast – IGMP Snooping:

Check IGMP Querier and update to the new IP address:

Make sure the GB port(s) you want to use for uplink is/are part of the VLAN2 and tagged.

To check: VLAN Management | Port to VLAN, Select VLAN ID=2, Press GO, the Gig port for uplink should be set as Tagged.

Go to Multicast | Multicast Router Port

Select VLAN2

Press GO

Select Static for Gig uplink port (e.g. G2, or any GB port that should work as uplink)

Press Apply

Save Settings

Press Save (next to Language, top screen)

Press Apply

The switch is now configured to be used with other switches (that also have an uplink port and a different IP address).
NOTE: never connect a myMix unit to an Uplink Port- as it's forwarding all traffic it can easily overload the 100MB connection and cause distorted audio.

Note: in the same menu where you save the current configuration to startup configuration you can also save a backup file of the setup on your computer via HTTP.