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.

silester Switch	Usemame.
	Password Language English •
	Login

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

cisco SF 302-0	a 08MP 8-Port 10/100 PoE Managed Switch	With most larger Ergint • page land bay
 Status and Statistica Administration 	Getting Started	
PotManagement ViLAN Management	This page provides easy steps to configure your device	
 Spanning Tree 	V Initial Setup	Guick Access
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Or in the main menu, navigate to VLAN Management |Create VLAN

Getting Started Status and Statistics	Create VLAN
Administration	VLAN Table
Port Management	VLAVID VLAVName Type
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Default VLAN Settings CID211VLAN Interface Settings Port to VLAN VLAN to Port Port VLAN Membership GVRP Settings * VLAN Groups * Voice VLAN	Add. Edt. Delete

Press Add

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VLAN VLAN D: (Range: 1 - 4094)		_		5	
VLAN Name: O Range Ø VLAN Range: -		(Ra	ange: 1 - 40	94)	
Apply Close					
🚱 Notet Protected Mode: On	- 6	•	€ 100%	•	

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

CISCO SF 302-08MP 8-Port 10/1	00 PoE I	Ma	nag	ged	I SI	wito	:h				Save Save	cisco		English
Getting Started	Port to V		J											
Status and Statistics		- "												
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Default VLAN Settings	Access	C	С	C	C	C	C	C	C	C	C			
Create VLAN	Trunk	6	6	6	6	0	6	6	6	0	6			
Interface Settings	General	C	C	C	C	C	C	C	C	C	C			
Port to VLAN	Forbidden	C	C	C	C	C	C	C	C	C	C			
VLAN to Port	Excluded	C	C	C	C	C	C	C	C	C	C		-	
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Multicast	Apply		Gai	icel		Fort	LAN	wenne	ersn	prau				
IP Configuration														

Select VLAN 2 and press go

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

cisco SF 302-08MP 8-Port 10/10	0 PoE I	Ma	nag	ged	I SI	vito	h		-	-	_			
Cetting Started Status and Statistics	Port to V	LAN	J											
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Default VLAN Settings Create VLAN	Filter: VL	AN I	D e	quals	to 3	2 -	AND	Inte	rface	Type	equals to	Port	- 0	Go
Interface Settings	Interface	e1	02	83	e4	e5	86	e7	88	g1	g2			
Port to VLAN	Access	0	C	C	C	C	C	C	6	C	C			
VLAN to Port		F	Æ	F	æ	æ	17	6	F	F	G			
Port VLAN Membership	General	C	C	C	C	C	C	C	C	C	C			
GVRP Settings	Forbidden	C	C	C	C	C	C	C	C	C	C			
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* Security		-												
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3. Enable Bridge Multicast Filtering

Navigate to Multicast | Properties

Check Bridge Multicast Filtering Status Enable Press Apply

Getting Started F Status and Statistics	Properties	
Administration Port Menanement	Success.	
VLAN Management Default VLAN Settings Create VLAN Interface Settings Port to VLAN VLAN No Port Port VLAN Nembership GVRP Settings * VLAN Groups * Voice VLAN * Spanning Tree	Bridge Multicast Filtering Status: Enable VLAN ID: Forwarding Method for IPv6 Gr MAC Group Address Gr IP Group Address Forwarding Method for IPv4 Gr MAC Group Address Forwarding Method for IPv4 Gr MAC Group Address Gr IP Group Address Gr Source Specific IP Gr Source Specific IP Gr Source Specific IP Gr Source Specif	
MAC Address Tables MAC Address MAC Group Address IP Multicast Group Address ICMP Snooping MLD Snooping IGMP/MLD IP Multicast Group Multicast Router Port Forward All Unregistered Multicast	Apply Cancel	

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

VLAN ID:	1 -			
IGMP Snooping Status:	Enable		Operational IGMP Snooping Status:	Disabled
MRouter Ports Auto Learn:	Enable			
Ouery Robustness:	2	(Range: 1 - 7, Default: 2)	Operational Query Robustness:	2
Query Interval:	125	sec. (Range: 30 - 18000, Default. 125)	Operational Query Interval:	125 (sec.)
Query Max Response Interval:	10	sec. (Range: 5 - 20, Default: 10)	Operational Query Max Response Interval:	10 (sec.)
Last Member Query Counter:	@ Use default		Operational Last Member Query Counter:	Query Robustnes
	C User defined	(Range: 1 - 7, Default: Query Robustness)		
Last Member Query Interval:	1000	mS (Range: 100 - 25500, Default 1000)	Operational Last Member Query Interval:	1000 (mS)
Immediate leave:	Enable			
IGMP Querier Status:	Enable			
Administrative Querier Source IP Address:	192.168.1.254 -		Operational Querier Source IP Address:	192.168.1.254
IGMP Querier Version:	G IGMPV2			
	C Dame va			
Apply Close				

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.

SMR	P Snoop	ing											
	Snooping	Status: 🗭 Enable											
40	phy	Cancel											
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	VLANID	IGMP Snooping Operational Status	Router IGMP Version	MRouter Ports Auto Learn	Robustness	interval (sec.)	(duery Max Hesponse Interval (sec.)	Query Counter	interval (mSec.)	Leave	Status	Version	IP Address
	VLANID	IGMP Snooping Operational Status Enabled	Router IGMP Version V3	MRouter Ports Auto Learn Enabled	Robustness 2	interval (sec.) 125	Query Max Hesponse Interval (sec.) 10	Query Counter 2	Interval (mSec.) 1000	Leave	Status Enabled	Version v2	P Address 192.168.1.25

5. Set unregistered multicast to be filtered on all myMix Ports (typically all ports)

Navigate to Multicast | Unregistered Multicast

Getting Started	Lipropietorod Multicast
Status and Statistics	Onegistered Multicast
Administration	Unregistered Multicast Table
Port Management	Ellar Interface Tune equals to Red - Co
 VLAN Management 	Piter. menace type equals to Port + Go
Default VLAN Settings	Entry No. Interface Unregistered Multicast
Create VLAN	1 e1 Forwarding
Interface Settings	C 2 e2 Forwarding
Port to VLAN	C 3 e3 Forwarding
VLAN to Port	C 4 e4 Forwarding
Port VLAN Membership	C 5 e5 Forwarding
GVRP Settings	C 6 e6 Forwarding
 VLAN Groups 	C 7 e7 Forwarding
 Voice VLAN 	C B eB Forwarding
 Spanning Tree MAC Address Tables 	C 0 at Enverting
 MAC Address Tables 	C 10 c2 Fermina
• Multicast	10 g2 Forwarding
Properties	Copy Settings Edit
MAC Group Address	
IP Multicast Group Address	C Edit Unregistered Multicast - Windows Internet Explorer
M D Seconda	🖉 http://192.168.1.254/multiBridge/bridg_multicast_unregistered_e.htm?intednd: 😣
IGNPMLD IP Multicast Group	
Multicast Router Port	Interface: C Port e1 - C LAG II -
Forward All	
Unregistered Multicast	Unregistered Multicast. (* Forwarding
IP Configuration	< Pittering
Security	Look Close
Access Control	
Quality of Service	
▶ SNMP	
	🕒 Internet Protected Mode: On 🛛 🖓 👻 🔍 100% 💌 🖉

Select Radio Button for first myMix Port

Press Edit

Select Filtering

Press Apply

	stered M	luiticest Te	Die
ner.	Interface	Type equi	als to Port - Go
E	ntry No.	Interface	Unregistered Multicast
	1	e1	Filtering
	2	#2	Forwarding
	3	43	Forwarding
	4	#4	Forwarding
	5	e5	Forwarding
	6	85	Forwarding
	7	67	Forwarding
		48	Forwarding
	9	g1	Forwarding
	10	92	Forwarding
	Copy Sett	ings	E.M.
	tp://192.1	68.1.254/m	ultiBridge/bridg_multicast_unregistered_e.htm?inted
n) H	Succer rface registered	ss. d Multicast	Port et C LAG - C Forwarding Fittering

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

Unr	egistere Success.	d Multic	ast	
Unr	egistered M	ulticast Ta	ble	
Filte	er: Interface	Type equa	als to Port 👻 Go	
	Entry No.	Interface	Unregistered Multicast	
0	1	e1	Filtering	
0	2	e2	Filtering	
C	3	e3	Filtering	
0	4	e4	Filtering	
C	5	e5	Filtering	
0	6	e6	Filtering	
0	7	e7	Filtering	
С	8	e8	Filtering	
0	9	g1	Filtering	
0	10	g2	Forwarding	
	Copy Sett	ings	Edit	

6. Exempt PTP Traffic from Filtering

Under Multicast, go to MAC Group Address



Select Add

htp://2923581251/multicert/MACMulticertStrop_add.htm						
Success.						
O VLANID:	(Range: 1 - 409-0)					
MAC Group Address:						
Apply Close	+					
	C					

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

VLAN ID:			1										
MAC Group	p Add	ress	01:	10:19	00:00	00:00							
Filter: Inte	rtace	Туре	e equ	als to	Po	rt +	G	0				2	
Interface	e1	e2	e3	e4	e5	e6	e7	e8	g1	92	Ť		
Static	æ	æ	æ		æ	æ	æ	æ	æ	•			
Dynamic	C	C	C	C	C	C	C	C	C	C			
Forbidden	C	C	C	C	0	C	C	0	C	C			
None	С	C	С	С	С	С	с	С	С	С			

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.

Copy Files - Windows Internet Explorer	
🖉 http://192.168.1.254/kubrick/confirmBox.htm	Save o
Please note: navigation to other screens while copy operation is in progress will abort the process.	Switch
OK Cancel	ration
	Running configuration
	Backup configuration
1	Mirror configuration
🚭 Internet Protected Mode: On 🛛 🖓 🔻 🍕 100% 👻 📑	Startup configuration Backup configuration
Log	
de/Backup Firmware/Language	

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:

VLAN ID:	1 -	
IGMP Snooping Status:	Enable	
MRouter Ports Auto Learn:	Enable	
Query Robustness:	2	(Range: 1 - 7, Default 2)
Query Interval:	125	sec. (Range: 30 - 18000, Default: 125)
Query Max Response Interval:	10	sec. (Range: 5 - 20, Default: 10)
Last Member Query Counter:	Use default User defined	(Range: 1 - 7, Default: Query Robustness)
Last Member Query Interval:	1000	mS (Range: 100 - 25500, Default: 1000)
Immediate leave:	Enable	
IGMP Querier Status:	Enable	
Administrative Querier Source IP Address:	192.168.1.254 •	New IP address
IGMP Querier Version:	IGMPV2 C IGMPV3	

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

								rt	r Po	oute	Ro	Multicast
											ess.	
•	Version 4	equals to	ion e	Vers	ID IP	AN	•	0 2	uals t	D eq	AN I	Filter: VL
		g2	g1	e8	e7	e6	e5	e4	e3	e2	e1	Port
		C	0	0	0	0	0	0	0	0	0	Static
		0	C	0	C	C	C	C	C	0	0	Dynamic
		0	0	0	0	0	0	0	0	0	0	Forbidden
		0	\bullet	\bullet	\odot	\odot	\odot	\odot	\bullet	\odot	\odot	None
								_				
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		• • • • •	0000	0000	0000	0000	0000		C C C C	C C C Car		Static Dynamic Forbidden None

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.