MediaConnect Firewall Settings

MediaConnect allows an enable Philips device to act as a computer monitor. The software runs on a computer that is connected to the same network as the Philips device. Once setup the customer can display the content of a computer on a TV. The programs the software uses are WFMCDMS.exe (creates a virtual set of speakers for the Philips device to use) and Wi-Fi MediaConnect.exe (the main program). Both these programs need to be enabled in any firewalls that are installed. Below are some of the popular firewall programs and the directions on how to configure them to work with the MediaConnect.

Windows 7/Vista Firewall Settings

If you have anti-virus software which does not have 3rd party firewall included then they will be protected by the Windows firewall. Complete the steps listed below to make sure the MediaConnect software is allowed to access the network.

1. The first time the customer start the MediaConnect software they will receive a popup security warranty like this:



Note: Make sure to check the box to 'Allow WFMCDMS to communicate on these networks' Click on [Allow access]

 Next we must double check the other programs have been set to correctly. Click on the Start button and type 'allow' in the search box as seen in the picture below. Then click on 'Allow a program through Windows Firewall.'



3. Click on [Change setting].

Allow programs to co To add, change, or remove a What are the risks of allowing	mmunicate through Window llowed programs and ports, click Cha a program to communicate?	s Firewall nge settings.	nae settinas	
Allowed programs and fea	hures			
Name		Home/Work (Private)	Public 4	
BranchCache - Conten	t Retrieval (Uses HTTP)	0		
BranchCache - Hosted	Cache Client (Uses HTTPS)			
BranchCache - Hosted	Cache Server (Uses HTTPS)		n	
BranchCache - Peer Di	scovery (Uses WSD)		- E -	
Connect to a Network	Projector			
Core Networking				
Distributed Transaction	Coordinator			
File and Printer Sharing				
HomeGroup				
iSCSI Service				
Media Center Extender	s			
Netlogon Service				
		Details	Remove	
		Allow anothe	at program	-

4. Scroll down until you see the items listed in the picture. Make sure both box are checked.

Allowed programs and features:			
Name	Home/Work (Private)	Public	
WFMCDMS			
☑ Wi-Fi MediaConnect			

5. If you do not see one of the programs listed above click on [Allow another program...]

Details	Remove	
Allow anoth	er program	

- Scroll down to until you see the Wi-Fi MediaConnect program and click allow.
 Note: Make sure both boxes are check to allow access on either network setting.
- If you do not see Wi-Fi MediaConnect click [Browse] and the program will be located at: C:\Program Files (x86)\Philips\Wi-Fi MediaConnect\ Wi-Fi MediaConnect.exe

Wininstall K-tite Codec Pack X64 Wininstall Live Support Chat for Web Site Uninstall Statistics Viewer for Web Site VoSubStrip Wi-Fi MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan	Winfistali K-Lite Coblec Pack X64 Subinistali K-Lite Coblec Pack X64 Subinistali Live Support Chat for Web Site Uninstall Statistics Viewer for Web Site UPS Widget 2 SobsubStrip WinFi MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan Windows Live Mail	Windows Div DMaker Windows Fax and Scan Windows Live Mail
Vininstall Statistics Viewer for Web Site Uninstall Statistics Viewer for Web Site UPS Widget 2 Work of MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan	Vulnistal Statistics Viewer for Web Site Uninstall Statistics Viewer for Web Site UPS Widget 2 VosubStrip Win7DSFilterTweaker Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan Windows Live Mail	Vininstal Eve Support Charlor Web Site Uninstall Statistics Viewer for Web Site UPS Widget 2 S VobSubStrip Wi-Fi MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Win7DSFilterTweaker Windows DvD Maker Windows Fax and Scan Windows Live Mail
UPS Widget 2 Vois Vois Vois Vois Vois Vois Vois Vois	Vinits an Statistics Viewen for Web Site Veb Si	UPS Widget 2 VobSubStrip Wi-Fi MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan Windows Live Mail
Win7DSFilterTweaker	VobSubStrip Wi-Fi MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan Windows Live Mail	VobSubStrip VobSubStrip Wi-Fi MediaConnect Win7DSFilterTweaker Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan Windows Live Mail
Windows Fax and Scan	Wi-Fi MediaConnect Wi-Fi MediaConnect Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan Windows Live Mail	Vorsubstrip Vorsu
Win7DSFilterTweaker Win7DSFilterTweaker Windows DVD Maker Windows Fax and Scan	WinFi MediaLonnect	Wi-H MediaLonnect
Win7DSFilterTweaker	WinZUSFILTER I Weaker	Win /DSHITER I Weaker
WinDUSHiter Weaker	Win/DSHitter i Weaker	Win ADSHITER I WEAKER
Windows DVD Maker	Windows DVD Maker	Windows DVD Maker
windows Fax and Scan	Windows Fax and Scan	Windows Fax and Scan
and a second sec	Windows Live Mail	Windows Live Mail
🤐 Windows Live Mail 🗸 👻		
<u>AB</u> 0/-		
📴 Windows Live Mail	20	49
The second s	- Da	-0

 If WFMCDMS is missing from the list you can add it by browsing to: C:\Program Files (x86)\Philips\Wi-Fi MediaConnect\WFMCDMS.exe. NOTE: Make sure both check boxes are selected. Press [OK] once you have verified that those programs are listed and enabled.

Allowed programs and features:			
Name	Home/Work (Private)	Public	-
WFMCDMS			
☑ Wi-Fi MediaConnect			

Norton Internet Security Settings

By default if a customer is using the Norton Internet Security 2011 or similar protection the MediaConnect software will be blocked. Please complete the settings listed below to allow the media connect software to work with the Norton.

1. Open the Norton Software. This is the main screen of the software.

Norton Internet Security	System Status: Secure					- >	C
	Settings	Performa	nce 🤝	Feedback	Account	Support +	
Computer Protection			Insight Pr	otection	Details	0	
Scan Now & History Oueranting	Application Datings		Antivirus			0	
	Application Raings		Antispywa	are		0	
Run LiveOpdale T minute ago F			SONAR F	rotection		0	
			Smart Fir	ewall		0	
Network Protection			Intrusion	Prevention		0	
Vulnerability Protection Network Secu	urity Map		Email Pro	otection		0	
			Identity Sa	afe		0	
Web Protection			Browser	Protection		0	
Logins Cards Parental Controls			Safe Surf	ing		0	
			Downloa	d Intelligence		0	
						9/8/2011 00:30 GMT Map Details ▶	
Norton SUBSCRIP 90 Days Ref	PTION STATUS: maining Subscribe		Activity Map	Online Family	Online Backup	Safe Web	

2. Click on the Network Security Map.

Norton Internet Security System Stat	tus: Secure				- ×
	Settings	Performance 🤝	Feedback	Account	Support >
Computer Protection		Insight Pro	otection	Details	0
Scan Now & History Quarantina Application R	latinge	Antivirus			0
	aunys	Antispywa	re		0
Run LiveOpdate 1 minute ago 🖡		SONAR P	otection		0
		Smart Fire	wall		0
Network Protection	<	Intrusion F	Prevention		0
Vulnerability Protection Network Security Map		Email Pro	tection		0
		Identity Sa	fe		0
Web Protection		Browser F	rotection		0
Logins Cards Parental Controls		Safe Surfi			0
		Download	Intelligence		(()
					9/8/2011 00:30 GMT Map Details ▶
SUBSCRIPTION STATU 90 Days Remaining Subs	S: cribe	Activity Map	Online Family 0	nline Backup	Safe Web

3. A Product Configuration window will open. If the customer has completed this before then it will open directly to the Network Security Map. Click **Continue**.

Product Configuration		
Product Configuration		Help
1. Initialize 2. Finish		
Initialization Required		
We need to initialize a network component in or initialization will temporarily disrupt your network	der to complete your request. k connection.	This
Do you want to continue?		
Norton	Cancel	Continue

4. This screen is displayed.

Product Configuration	
Product Configuration	<u>Help</u>
1. Initialize 2. Finish	
Initializing Component	
Initialization may take a few moments. Please allow the process to	complete.
Norton	
5. Click Close.	
Product Configuration	
Product Configuration	<u>Help</u>
1. Initialize	
Initialization is complete.	
Norton	Close

6. A window that tells the customer what all these settings are is displayed. Check the **Do not show this again** box and click **OK**.

	Network Security Overview		x
WIRELESS NETWORK SECURE work Details [Edit]	Wireless Security > Remote Monitoring Network Map Trust Controls	Your WIRELESS SECURITY status will be displayed on the left-hand side of the main Network Security Map screen. EXAMPLE:	[Edit]
al in Network: 2 [+] [_] note Monitoring nputer Discovery: OFF [Setup]	Summary The Wireless Security feature helps you to de not secure. A secure connection must include When your wireless connection is NOT secur you might solve the problem. You will also re- not cure.	termine whether your connected wireless network is secure of a strong wireless encryption (such as WPA). re, click on the 'Why Is it Not Secure' link for in the your on hor ceive a warning when you attempt to trust a court on that is	w
	Do not show this again	ок	

7. Click on **Edit** under Network Details. Notice all the devices at the top say PROTECTED.



MediaConnect Firewall Settings Norton Internet Security Settings

8. Click Edit.

Philips Current Network Name: Philips Trust Level: PROTECTED [Edit] Network Details Property Value Adapter Name Wireless Network Connection 2	
Current Network Name: Philips Trust Level: PROTECTED [Edit] Network Details Property Value Adapter Name Wireless Network Connection 2	
Trust Level: PROTECTED [Edit] Network Details Property Value Adapter Name Wireless Network Connection 2	
Network Details Property Value Adapter Name Wireless Network Connection 2	
Vetwork Details Property Value Adapter Name Wireless Network Connection 2	
Network Details Property Value Adapter Name Wireless Network Connection 2	
Property Value Adapter Name Wireless Network Connection 2	
Adapter Name Wireless Network Connection 2	
Adapter Description Intel(R) Centrino(R) Ultimate-N 6300 AGN #2	
Gateway IP Address 192.168.0.1	
Ostaway Bhysical Address 00 4B 44 60 04 FF	
Galeway Physical Address 00-1B-11-62-94-FE	
SSID Philips	

9. Select FULL TRUST and click OK.

Select a	nas a trust level of: PR	DIECTED
۲	S FULL TRUST	Sets your network's trust level to FULL TRUST. All devices not specifically set to a different trust state will use this setting.
0	SHARED	FULL TRUST devices are monitored only for known attacks and infections; all other traffic from devices in your network is permitted. This setting is recommended only when the device
0	O PROTECTED	cannot reach your computer in more secure Trust states.
0		

10. Notice the Trust Level is FULL TRUST now. Click **OK.**

letwork Name Philips Current Network Name: Phili rust Level: FULL TRUST	DS dit 1	
Property	Value	
Adapter Name	Wireless Network Connection 2	
Adapter Description	Intel(R) Centrino(R) Ultimate-N 6300 AGN #2	
Gateway IP Address	192.168.0.1	
Gateway Physical Address	00-1B-11-62-94-FE	
SSID	Philips	

11. The network is now set to FULL TRUST and Wi-Fi MediaConnect should not have any problems connecting. Click on **Close** to exit. Now close the MediaConnect on the computer and open it again. Run the MediaConnect from the TV or PC based on model of device. It should connect.

			ASilver NEW	
WIRELESS NETWORK	MY DC	Device Name:	ASliver	[Edit]
JECONE		Adapter	Intel Corporate	
etwork Details		Manufacturer:	DESKTOP PC	[Details]
[Edit]		Security Status:	Secure	[Botano]
hilips 🔽		Connection:	ONLINE	
atal in Notwork: 2		Physical Address:	00-24-D7-35-E1-0C	
		IP Address:	fe80::f8ea:e4c7:bdb9:3b9a%15	
emote Monitoring omputer Discovery: OFF [Setup]				

MediaConnect Firewall Settings Norton Internet Security Settings

12. Make sure the MediaConnect is set to Allow in the program list. Click on [Settings] from the main Norton screen.



13. Navigate to the [Network Settings], click on [Configure] to the right of the Program Control text.

🔀 Settings		-	_		
Settings				Help & Su	ipport ►
Computer Settings					•
Network Settings				Use Section Defaults	*
Welcome Screen			On		
Instant Messenger Scan			On	Configure [+]	?
Intrusion Prevention			On		?
Intrusion AutoBlock				Configure [+]	
Intrusion Signatures				Configure [+]	
Notifications			On		
Exclusion List				Purge [+]	
Network Security Map				Purge [+]	?
Communication Port		31077			
Welcome Screen			On		
Smart Firewall			On		?
Advanced Settings				Configure [+]	
Program Control				Configure [+]	
Trust Control				Configure [+]	
Block All Network Traffic			Unblocked	l.	? -
Web Settings					•
Miscellaneous Setting	S				•
Parental Controls					•
Norton	Default All	Apply		OK Canc	el

14. Scroll to the bottom of the list and set **WFMCDMS** to **Allow** by clicking on the drop down arrow. And click [OK].

	Program A	ccess
÷	Dropbox C:\Users\Alex Silver\AppData\Roaming\Dropbox\bin\Dropbox.exe	Auto
	Host Process for Windows Services C:\Windows\System32\sychost.exe	Auto
Q	Microsoft Office Communicator 2007 R2 C:\Program Files (x86)\Microsoft Office Communicator\communicator.exe	Auto
8 80	ProvideSupportConsole C:\Program Files (x86)\Provide Support\Live Support Chat for Web Site\ProvideSupportCons	Auto
8	Skype C:\Program Files (x86)\Skype\Phone\Skype.exe	Auto
1	System System	Auto
	WFMCDMS C\Program Files (v86)\Philine\Wi-Ei MadiaConnect\WEMCDMS ave	Allow

15. If this window pops up click on [Yes].

Program Control			
Save Change	s?		
You have chang changes?	ed your settings.	Do you want to s	ave these
changes:			
	Yes	No	

- 16. All the settings have been added to allow complete control to the MediaConnect software. If the software will still not connecting you can disable the whole Norton firewall to test if Norton is really blocking the software or if it is the router.
- 17. Click the switch next to [Smart Firewall] on the main screen and select a time you want the firewall to turn back on and press [OK]. The firewall is now completely off. If the MediaConnect is still not working submit the router to the portal.



McAfee Security Settings

If the customer is using McAfee 2010 or older then the MediaConnect will not work. They must have the 2011 or 11.x or later. McAfee is aware of the problem and has listed information about the issue on their website. Until the customer can upgrade the firewall must be disabled when attempting to use the MediaConnect software or any other service that uses DLNA. Please see CCB58 for more info.

- 1. Double-click the **M** icon in your taskbar.
- 2. Click on [Firewall] and then on [Settings].



3. Click on [Turn Off].



4. Select a time for the Firewall to turn back on and click [Turn Off].

Turn Off Fi	rewall?	
Firewall protects yo personal informati Are you sure you w	our PC against intruders who can h on, and polices the information you ant to turn it off?	ijack your PC or steal Ir PC sends and receives.
When do you want	to resume Firewall:	
In 15 minutes		

5. Click on [Done].

	A Home
MCATEE Total Protection	About
	? Help
	×
Firewall: Off	x
Firewall: Off Firewall protects your PC against intruders who can hijack you information, and polices the information your PC sends and re	× r PC or steal personal ceives. <u>Learn more</u>
Firewall: Off Firewall protects your PC against intruders who can hijack you information, and polices the information your PC sends and re	x r PC or steal personal cceives. <u>Learn more</u>
Firewall: Off Firewall protects your PC against intruders who can hijack you information, and polices the information your PC sends and re	x r PC or steal personal ceives. <u>Learn more</u> Restore Defaults

6. The Red will turn to black. The McAfee firewall is off now. You can use the MediaConnect software. To turn the firewall back on just click back on [Settings] and then [Turn On]. **Note:** If the customer is using 2011 or 11.x or later the software should work by defaults. The customer may have change the program settings to block the software.



7. Make sure the MediaConnect software is set to Full in the program list.

8. From the Firewall settings page click on [Internet Connections for Programs].

WMCAfee Total Protection		_ × ∰ Home ⊕ Navigation ⊛ About ? Help
Your computer is secure (r	o action require	d) WcAfee SECURE
Firewall: On Firewall protects your PC against intruders why information, and polices the information your P	o can hijack your PC (C sends and receive	× or steal personal s. <u>Learn more</u>
	Turn off	Restore Defaults
Security Levels		~
Smart Advice and Advanced Settings		~
Firewall History		~
Internet Connections for Programs		~
My Network Connections		~
Ports and System Services		~
Attack Detection		~
Net Guard		~

9. Scroll to WFMCDMS and click on [Edit].

📎 🏥 Windows Logon Application	Full	On	-
🕥 <i>i</i> Internet Explorer	Full	On	
🕥 👿 McAfee Service Host	Full	On	
🕥 👿 McAfee Update Launcher	Full	On	6
> 👿 McAfee	Full	On	
🕥 📧 Spooler SubSystem App	Full	On	
	Outgoing	On	+

10. Use the drop down box to change the setting to Full and click on [Save]. Now all the settings have been changed to allow Full Access. If the MediaConnect still doesn't work submit it the router to the portal for review.

Decide which programs can acc	ess the Internet, and use Net Guard to prevent
inem from making risky connecti	ons. <u>Learn more</u>
Edit Program	
Program:	
C:\program files (x86)\philips	\wi-fi mediaconnect\wfmcdms.exe
Access	
Full 💌	
Net Guard:	
On	
C Off	
C OII	

100

To determine which version of McAfee software you have installed please refer to the table below.

With and Spread Dotaction Vinite And Dotaction <th>Affected Operating Systems: Windows XP Windows Vista Windows 7</th> <th>You are using 2011 McAfee Total Protection, Internet Security Suite, or AntiVirus Plus To locate the build numbers for your software click the About link in the upper, right corner. Below is a list of builds for the 2011 products: SecurityCenter: 11.x VirusScan: 15.x Personal Firewall: 12.x SiteAdvisor: 3.x Anti-Spam: 12.x Parental Controls: 13.x Anti-Theft File Protection: 2.x QuickClean and Shredder: 11.x</th>	Affected Operating Systems: Windows XP Windows Vista Windows 7	You are using 2011 McAfee Total Protection, Internet Security Suite, or AntiVirus Plus To locate the build numbers for your software click the About link in the upper, right corner. Below is a list of builds for the 2011 products: SecurityCenter: 11.x VirusScan: 15.x Personal Firewall: 12.x SiteAdvisor: 3.x Anti-Spam: 12.x Parental Controls: 13.x Anti-Theft File Protection: 2.x QuickClean and Shredder: 11.x
We product looks like: Image: State of the s	My Operating System is: Windows XP Windows Vista Windows 7	You are using 2010 McAfee Total Protection, Internet Security Suite, or AntiVirus Plus To locate the build numbers for your software click the Navigation link in the top, right corner, then click the About link in the list on the left side. Below is a list of builds for the 2010 products: SecurityCenter: 10.x VirusScan: 14.x Personal Firewall: 11.x Anti-Spam: 11.x Parental Controls: 12.x Anti-Theft File Protection: 1.x Build numbers should only be required by Technical Support agents.
My product looks like:	My Operating System is: Windows 2000* Windows XP Windows Vista * The 2009 products will run on Windows 2000, but this operating system is no longer supported by Microsoft.	You are using 2009 McAfee Total Protection, Internet Security Suite, or VirusScan Plus To locate the build numbers for your software click the About link in the lower right corner. Below is a list of builds for the 2009 products: SecurityCenter: 9.x VirusScan: 13.x Personal Firewall: 10.x Anti-Spam: 10.x Parental Controls: 11.x

Trend Micro Security Setting

By default the 2012 version of the Trend Micro Internet Security or the Total Protection does not block the MediaConnect software. I need to check the program list to make sure the customer did not block the program. Please follow the direction listed below to check the program list and add the Philips folder to the safe list.

- 1. Open the Trend Micro software from the desktop or the task tray next to the clock.
- 2. Click on the Setting icon.

Protecte Thank you for trial will expir	d r trying Trend Micro Titanium Maximum Securi re on 10/13/2011.	O <u>Support</u> C
Security Summary	O threats stopped in the past month	~
Viruses & Spyware	0 stopped	
Web Threats	0 stopped	
Parental Controls	Set up now	>
System Tuner	Set up now	>
Subscription	Expires on 10/13/2011	>
Tools Q Scar	• • • • • • • • •	

3. Click on [Exception Lists] from the left and then on [Add].



4. Click on [Browse] and then [OK].



MediaConnect Firewall Settings Trend Micro Security Setting 5. Browse to the Philips folder and click on [Open]

If the customer has a 64 bit version of windows the path will be: C:\Program Files (x86)\Philips If the customer has a 32 bit version of windows the path will be: C:\Program Files\Philips **Note:** Make sure to only click once on the Philips folder and do not open it. We want to add the whole folder to the safe list.

Look in:	📙 Program F	iles (x86)	- 🕒 😰 🐨	
æ	Name	*	Date modified	Туре
-	🔽 🍌 Philip	5	6/17/2011 11:56 AM	File fol
Recent Places	Provid	le Support	8/29/2011 4:14 PM	File fol
	📙 Quick	Time	5/31/2011 11:01 AM	File fol
	🔒 Refere	ence Assemblies	7/14/2009 1:32 AM	File fo
Desktop	📕 Roxio		6/14/2010 6:21 PM	File fol
	🚺 Skype		7/6/2011 9:10 AM	File fo
60-50	🌗 Spotif	у	7/22/2011 2:26 PM	File fol
Libraries	🍌 STMic	roelectronics	6/14/2010 6:14 PM	File fo
	退 Sumat	traPDF	8/30/2011 3:23 PM	File fo
	🄰 Syster	nRequirementsLab	8/8/2011 1:05 PM	File fo
Computer	📙 UPS W	/idget	6/27/2011 10:26 AM	File fo
	VIDBC	X NW03	8/29/2011 2:18 PM	File fol
	Ninda	ows Defender	7/14/2009 1:37 AM	File fol
Network	•	m		,
	File name:		-	Open
	Files of type:	[++		Canaal

6. The next screen will show the picture below. Confirm the settings are correct and click on [OK].

Add an Item	
Click Browse to find a file or folder that belongs on the list.	
Browse C:\Program Files (x86)\Philips	
OK Cancel	

7. The next screen shows that the whole Philips folder was added to the safe list. Click [OK] and close Trend Micro. This will make sure the MediaConnect is not blocked. If the customer is cannot connect please submit the info to the portal.

Internet & Empil Controls	Scans and other kinds of monitoring will ignore any	thing you add to the list.
internet & Email Controls	Name 🔺	Туре
Exception Lists	C:\Program Files (x86)\Philips	Folder
Websites		
Websites Wireless connection		
Websites Wireless connection Other Settings		
Websites Wireless connection Other Settings		
Websites Wireless connection Other Settings		