MediaStation HD DVR Windows 7 Network Shares

Overview

Microsoft changed the way it deals with Samba shares in Windows 7. Windows 7 shares are no longer visible on the MediaStation by default. However by making some changes on Windows 7 it is possible to get it to work with the MediaStation. This Howto is divided into three stages. Depending on how the Windows 7 machine is setup you may not need to go through all stages.

Stage 1 – Sharing a Folder on Win 7

- Select a folder on the Windows 7 machine that is to be shared, or create a new one if it doesn't already exist.
- Right click on the folder and click Share with \rightarrow Specific people
- The following dialogue box will appear.

3 File Sharing	
Choose people to share with	
Type a name and then click Add, or click	the arrow to find someone.
guest	- Add
Name	Permission Level
🙎 Robert	Owner
I'm having trouble sharing	

- Type guest into drop down list and click the Add button to allow this user to connect.
- You can edit the Permission Level to Read or Read/Write to allow full access to this share.

Choose people to share with Type a name and then click Add, or click the arrow to find someone.	-	Add
✓ Add Name Permission Level ▲ Guest Read/Write ▼ ▲ Robert Owner	-	Add
Name Permission Level ▲ Guest Read/Write ▼ ▲ Robert Owner		Add
Name Permission Level ▲ Guest Read/Write ▼ ▲ Robert Owner		Add
Suest Read/Write ▼ Second S	Denne in sie en la	
Second Contraction	Permission Le	evel
Section Owner	Read/Write 🔻	•
I'm having trouble sharing		

- When you have edited the Permission Level, press the Share button to share this folder.
- Before connecting from the MediaStation, you will need to know the computer name and the workgroup of the Windows 7 machine.
- Click the Start button \rightarrow Right Click Computer \rightarrow Select Properties
- This will open a window similar to below:

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Control Panel >	System and Security 🔸 System	👻 🍫 🛛 Search Control Pan	el 🔎	
	system			
Control Panel Home	Manufacturer:	Dell		
Device Manager	Model:	Vostro 220		
Device Manager	Rating:	3.6 Windows Experience Index		
Remote settings	Processor:	Pentium(R) Dual-Core CPU E5400		
🚱 System protection		@ 2.70GHz 2.69 GHz		
🚱 Advanced system settings	Installed memory (RAM):	2.00 GB	~	
	System type:	32-bit Operating System		
	Pen and Touch:	No Pen or Touch Input is available for this Display		
	Dell support			
	Website:	Online support	=	
Computer name, domain, and workgroup settings				
See also	Computer name:	DUTEC-069	Change settings	
Action Center	Full computer name:	DUTEC-069		
Windows Update	Computer description:			
Performance Information and Tools	Workgroup:	WORKGROUP		
	Windows activation			

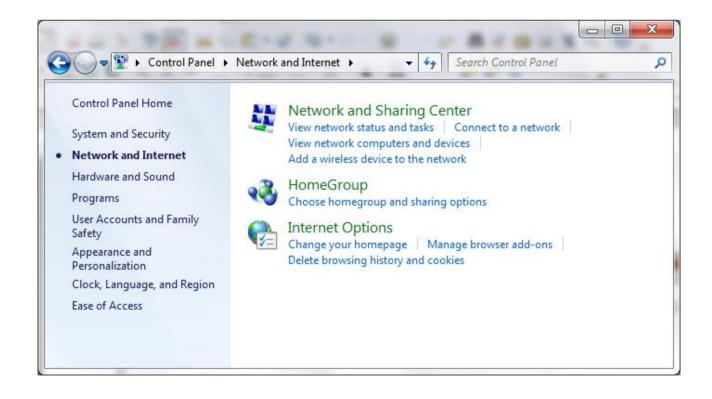
- Here you should be able to find the computer name and the workgroup name. The workgroup is normally called WORKGROUP.
- Note both of these
- Reboot the PC and MediaStation and you should now be able to connect to the Windows 7 share from the MediaStation.
- From the MediaStation press the **Browser** button on the remote.
- Under the All tab scroll down to Net and select it by pressing Enter on the remote
- Select your workgroup that you noted earlier from your windows PC.
- Then select your PC from the list, the Computer name from earlier.
- You should now see any shares from your PC, ignore any shares that end with a \$ sign.
- These are special shares that windows uses and are not normally visible on a PC, but because the MediaStation is not a PC it shows them.
- Select your share from the list and connect to it by pressing **Enter** on the remote.
- If you are presented with a login screen at any stage just ignore it and select OK. As we are using the guest account we don't need to provide login details.
- If you unable to connect then go to stage 2 and configure Windows 7 networking.

Stage 2 – Configure Windows 7 Networking

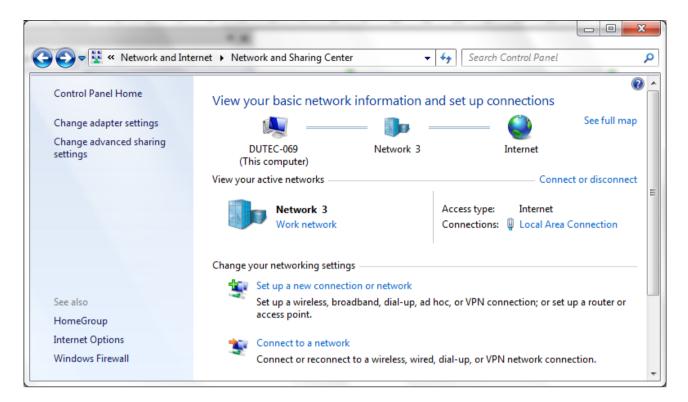
• Click Start \rightarrow Control Panel \rightarrow Network and Internet



• From here open Network and Internet by clicking on Network and Sharing. This should open a window similar to below.



• Now click on Network and Sharing Center to open a window similar to below.



- Here you will see your computer, in this case DUTEC-069, the network it is connected to, Network 3 and also the Internet if it's available.
- On the second line you will see the network details. Under it you will see the network location, which in this case is Work network.
- This must be either Home network or Work network. If it says Public network, change it to either Home or Work network by clicking on it to open the following window.

	* #	
🕞 👬 Set Netv	vork Location	
Select a l	ocation for the 'Network 3' network	1
	ter is connected to a network. Windows will automatically apply the correct tings based on the network's location.	
	Home network If all the computers on this network are at your home, and you recognize the this is a trusted home network. Don't choose this for public places such as coffee shops or airports.	:m,
	Work network If all the computers on this network are at your workplace, and you recognize them, this is a trusted work network. Don't choose this for public places such coffee shops or airports.	
	Public network If you don't recognize all the computers on the network (for example, you're a coffee shop or airport, or you have mobile broadband), this is a public network and is not trusted.	in
Treat all <u>Help me ch</u>	future networks that I connect to as public, and don't ask me again. oose	
		Cancel

- Here you can select either Home or Work as the network.
- When you have done this return to the **Network and Sharing Center** and verify that you have either Work or Home as the network location.
- In the **Network and Sharing Center** now select **Change advanced sharing settings** from the right hand side of this window.
- In the window that opens verify that the current profile is either Work or Home. It should say Home or Work(current profile).
- Network discovery should be On.
- File and printer sharing should be On.
- Public folder sharing should be Off.
- File sharing connections should be set to 128 bit.
- Password protected sharing should be Off.
- HomeGroup connections should be set to: Use user accounts and passwords to connect to other computers.
- When you have made this changes click on the **Save changes** button to save your new settings.
- You can now reboot your MediaStation and PC and try connection from the MediaStation as explained at the end of Stage 1. If you are still unable to connect, then proceed to Stage 3.

Stage 3 – Advanced configuration

• Click Start and enter gpedit.msc into the search box and then press enter to open the Local Group Policy Editor.

J Local Group Policy Editor		-			
File Action View Help					
Local Computer Policy	Local Computer Policy				
Computer Configuration Image: Software Settings	Select an item to view ite description	Name			
Windows Settings	Select an item to view its description.	Name Computer Configuration			
 Administrative Templates User Configuration 		🔏 User Configuration			
Software Settings					
▷ I Windows Settings					
Administrative Templates					
	Extended Standard				

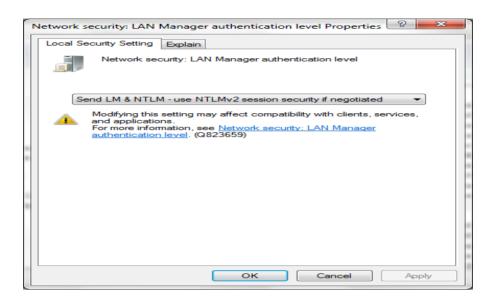
- Here you need to open Computer Configuration → Windows Settings → Security Settings → Local Policies → Security Options
- This will open a window similar to below.

Local Group Policy Editor				
ile Action View Help				
• 🔿 🚈 📰 🗙 🗟 👔 🧊				
Software Settings	*	Policy	Security Setting	
Windows Settings		Accounts: Administrator account status	Enabled	
Name Resolution Policy		Accounts: Guest account status	Enabled	
Scripts (Startup/Shutdown)		Accounts: Limit local account use of blank passwords to co	Enabled	
Deployed Printers		Accounts: Rename administrator account	Administrator	
Security Settings		Accounts: Rename guest account	Guest	
 Account Policies Local Policies 		Audit: Audit the access of global system objects	Disabled	
Audit Policy		Audit: Audit the use of Backup and Restore privilege	Disabled	
E User Rights Assignment		Audit: Force audit policy subcategory settings (Windows Vis	Not Defined	
Security Options	Ξ	B Audit: Shut down system immediately if unable to log secur	Disabled	
Windows Firewall with Advanced Security		B DCOM: Machine Access Restrictions in Security Descriptor D	Not Defined	
Network List Manager Policies		B DCOM: Machine Launch Restrictions in Security Descriptor	Not Defined	
Public Key Policies		B Devices: Allow undock without having to log on	Enabled	
Software Restriction Policies		B Devices: Allowed to format and eject removable media	Not Defined	
Application Control Policies		B Devices: Prevent users from installing printer drivers	Disabled	
IP Security Policies on Local Computer		B Devices: Restrict CD-ROM access to locally logged-on user	Not Defined	
Advanced Audit Policy Configuration		B Devices: Restrict floppy access to locally logged-on user only	Not Defined	
Policy-based QoS		B Domain controller: Allow server operators to schedule tasks	Not Defined	
Administrative Templates		B Domain controller: LDAP server signing requirements	Not Defined	
🛚 💰 User Configuration	-	Domain controller: Refuse machine account password chan	Not Defined	

• In the right pane ENABLE the following policies.

•	Network access: Allow anonymous SID/Name translation	Enabled
•	Network access: Let Everyone permissions apply to anonymous users	Enabled
•	Now DISABLE the following policies.	
•	Network access: Restrict anonymous access to Named Pipes and Shares	Disabled
•	Network access: Do not allow anonymous enumeration of SAM accounts	Disabled

- Network access: Do not allow anonymous enumeration of SAM accounts and shares Disabled
- Now change you also need to change the following policy.
- Network security: LAN Manager authentication level to
- Send LM & NTLM use NTLMv2 session security if negotiated
- Do this by double clicking on the policy which will open the following window.



- You can select to correct policy from the drop down list.
- Then click OK to save your settings and then exit the Local Policy Editor.
- Reboot the PC and MediaStation and sharing should now work.