

Windows 7 Scan to Folder Settings Guide:

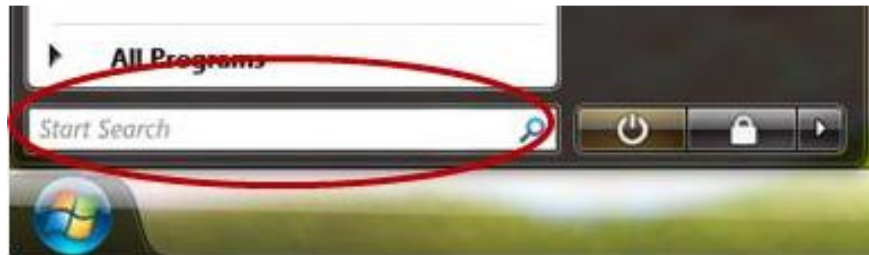
If you have created a shared folder then you need to ensure to un-share this folder and delete the folder before continuing with this guide.

Depending on your version of windows 7 will determine how you can change the authentication level. On windows 7 home premium you will need to use the registry in order to change the authentication level so that it is compatible with the Ricoh copiers so that it uses NTLMv1 (version 1) where as windows 7 uses NTLMv2 (version 2) by default.

The photocopiers network card firmware can be updated assuming it has been released to add support for NTLMv2 (version 2) and other items – check the read me file for the network card firmware for relevant information relating to said model of copier.

Change Authentication Level on windows 7 home premium:

1. Click on the start menu
2. Click in the search text field



3. Type **regedit** and press enter / return key, this should open up the registry editor
4. Navigate to the following registry key

HKEY_LOCAL_MACHINE → System → CurrentControlSet → Control → Lsa

5. Right click on the Lsa folder and click on New → DWORD Value and name it

LmCompatibilityLevel

Set the value to **2**

6. Close the registry editor down and disable SMB Signing 2.0
7. Restart / Reboot windows

Changing Authentication level on other versions of windows 7:

1. Click on start
2. Open control panel
3. Open Administrative Tools
4. Open Local Security Policy
5. Navigate to Local Policies → Security Policies (may be called Security Options)
6. Change the following options / settings as outlined below

Change Network Security: LAN Manager Authentication level to: Send LM & NTLM - Use NTLMv2 session security if negotiated.

Close Local security policy and continue with the instructions below to disable SMB Signing 2.0. If it still doesn't work change the encryption level settings below to not require 128 bit encryption.

Open Network security: Minimum session security for NTLM SSP based (including secure RPC) clients and uncheck the require 128 bit.

Open Network security: Minimum session security for NTLM SSP based (including secure RPC) servers and uncheck the require 128 bit.

Disabling SMB Signing 2.0 using command prompt:

1. Click on start menu
2. Click on All Programs
3. Click on Accessories
4. Right Click on Command Prompt and click on or select **Run As Admin** and enter in login credentials if prompted to do so
5. Either type or copy and paste the 2 commands below one line at a time and press enter after each command ensuring that there is a space between the equal symbol ie = and the word following the equals symbol

```
sc config lanmanworkstation depend= bowser/mrxsmb10/lsi  
sc config mrxsmb20 start= disabled
```

6. Restart / Reboot windows.

Disable SMB signing via registry:

If this is a server operating system then ensure to use Group Policy to make these changes and not the registry unless required.

1. Click on Start Menu
2. Type **regedit** and press enter
3. Locate to the following branch

HKLM\System\CurrentControlSet\Services\LanmanServer\Parameters

3. Add a new REG_DWORD key with the name of "Smb2" (without quotation mark)

Value name: Smb2
Value type: REG_DWORD

0 = disabled
1 = enabled

Please set the value to 0 to disable SMB 2.0.

5. Reboot / Restart windows (If this is a server operating system then you are better off using group policy to make these changes)

Reference websites:

LAN Manager Authentication Levels Explained

<http://technet.microsoft.com/en-us/library/cc960646.aspx>

<http://technet.microsoft.com/en-us/library/cc738867%28WS.10%29.aspx>

Change Authentication Level on windows 7 home premium

<http://www.overclockers.com/forums/showthread.php?t=623308>

Server 2008 including small business server possible fixes

<http://serverfault.com/questions/60392/cant-seem-to-setup-ricoh-to-scan-to-sbs-2008-shared-folder>

Misc. sites which may help

<http://social.technet.microsoft.com/Forums/en/w7itpronetworking/thread/c1d2e480-65e8-41ad-b7a4-73d4ba3ca09d>

<http://social.technet.microsoft.com/Forums/en-US/w7itpronetworking/thread/c935bca7-9d4d-4bc6-8d1b-c0c882a649b0>

How to disable SMB Signing 2.0

<http://www.petri.co.il/how-to-disable-smb-2-on-windows-vista-or-server-2008.htm>