

Scanning to a SMB V2 Network Share*

Sharp® MFPs use **SMB V1** on **Port 139** for scanning to network folder destinations so the normal setup for scanning to a shared folder will not work to a computer using only **SMB V2**. Originally, **Microsoft®** used **Port 139 (NetBIOS over TCP)** and **Ports 137 and 138 (NetBIOS over UDP)** for implementing their **Server Message Block (SMB)** protocol for sharing network resources in **Windows®**. This version of **SMB** is referred to as **SMB V1**. **Microsoft®** later added an additional port for **SMB (Port 445)** to directly use **SMB over TCP** to avoid the use of the **NetBIOS** in the network for security reasons. This version is known as **SMB V2**.

Both versions of **SMB** are available on **Windows®** servers and desktop operating systems since **Windows® 2000**. Administrators can choose to disable **SMB V1** and only use **SMB V2** for network shares. In addition, **MAC® OS 10.7** computers and above only support **SMB V2** for scanning to folders. By making minor changes to the folder destination set up on the **Sharp®** MFP, it is still possible to scan to a **SMB V2** only computer or server share as shown in the example below:.

1. In a network where **SMB V1** is used, the **Network Folder** setup on a **Sharp®** MFP would be able to scan to the “**accounts**” shared folder on the computer with a **NetBIOS** name of “**NJFS03**”. However, if the network administrator disabled **SMB V1**, the scan would fail as **NetBIOS** names are not supported in **SMB V2**.

The screenshot shows the 'Network Folder' configuration page. The 'Network Folder Path' field contains the text '\\NJFS03\accounts'. Other fields include 'User Name' (Rashid), 'Password', and various options like 'File Type' (PDF), 'Compression Mode' (MMR (G4)), and 'Compression Ratio' (Medium). There are also checkboxes for 'Enable Hyperlink to Network Folder to be e-mailed' and 'Set as Default used'.

2. By modifying the **Network Folder Path** from the computer name (“**NJFS01**\accounts”) to the IP address of the computer with port 445 added (“**10.0.15.200:445**\accounts”), scanning to the destination will succeed to the **SMB V2** share on **Windows®** and **MAC® OS 10.7** computers. **NOTE:** The port number of **:445** must be included with the IP address as there are no provisions to change the outgoing port number for **SMB** on the MFP.

This screenshot is identical to the previous one, but the 'Network Folder Path' field now contains the text '\\10.0.15.200:445\accounts', demonstrating the modification to use SMB V2.