# **Scan to Folder White Paper**

#### NOTICE

THIS DOCUMENT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART, FOR ANY PURPOSE OR IN ANY FASHION AND DISTRIBUTED WITHOUT THE PRIOR WRITTEN CONSENT OF RICOH CORPORATION. WHICH CONSENT RICOH CORPORATION MAY GRANT OR DENY IN ITS SOLE DISCRETION.

All product names, domain names or product illustrations, including desktop images, used in this document are trademarks, registered trademarks or the property of their respective companies. They are used throughout this book in an informational or editorial fashion only and for the benefit of such companies. Ricoh does not grant or intend to grant hereby any right to such trademarks or property to any third parties. No such use, or the use of any trade name, or web site is intended to convey endorsement or other affiliation with Ricoh products.

Although best efforts were made to prepare this document, Ricoh Corporation makes no representation or warranties of any kind with regards to the completeness or accuracy of the contents and accepts no liability of any kind including but not limited to performances, merchantability, fitness for any particular purpose, or any losses or damages of any kind caused or alleged to be caused directly or indirectly from this document.

> **Ricoh Americas Corporation June 2007**

# TABLE OF CONTENTS

1	INTRODUCTION4
1.1	Target Audience
2	MODEL CROSS REFERENCE
3	SCAN TO FOLDER PC PREPARATION
3.1	Windows 2000 PC Preparation6
3.2	Windows XP PC Preparation9
4	PC NETWORK SETTINGS10
5	MFP CONFIGURATION AT THE OPERATION PANEL
5.1	Enabling the SMB Protocol11
5.2	User Address Configuration12
6	SCAN TO FOLDER CONFIGURATION VIA WEB IMAGE MONITOR
6.1	Web Image Monitor Administrator Login Process15
6.2	WIM Protocol Settings17
6.3	WIM Address Book Configuration19
7	ADDRESS BOOK CONFIGURATION VIA SMARTDEVICEMONITOR21
7.1	Searching Network Segments21
7.2	Address Book Configuration22
8	SCAN TO FOLDER OPERATION25
8.1	Scan to Folder Function for Non-registered Users25
8.2	Additional Scan Settings28
9	TROUBLESHOOTING
9.1	PC-level Troubleshooting32
9.2	MFP-level Troubleshooting
9.3	Signs of Scan to Folder Failure

11	SUMMARY	40
10	SCAN TO FOLDER IN A MAC ENVIRONMENT	40
9.6	Scan to Folder Problems in a Windows 2003 Server Environment	38
9.5	MFP Network Browsing Capability Test	37
9.4	Checking PC Settings	34

# 1 Introduction

Ricoh Corporation developed Scan to Folder so customers can scan documents to shared folders, which several other users can access. It creates an efficient means of scanned document storage, access, and distribution without requiring additional hardware or software.

## 1.1 Target Audience

The target audience for this White Paper is:

- IT Administrators.
- All end-users The information contained in the document can be distributed to end-users as long as the restrictions outlined on the cover page are followed.
- The support and marketing staff of Ricoh Sales companies, including Ricoh family group companies and their subsidiaries.
- Technical support personnel (CEs) of dealers.

# 2 Model Cross Reference

The tables below covers all models referenced in this document.

Product Code	Ricoh Corp Model Name	Savin (USA) Model Name	Gestetner Model Name	Lanier Model Name
B051	Aficio 1224C	C2408	DSc224	LD024C
B052	Aficio 1232C	C3210	DSc232	LD032C
B064	Aficio 1060	2560	6002	LD060
B065	Aficio 1075	2575	7502	LD075
B070	Aficio 2090	4090	9002	LD090
B071	Aficio 2105	4105	10512	LD0105
B079	Aficio 2035	4035	3532	LD035
B082	Aficio 2045	4045	4532	LD045
B089	Aficio 2022	4022	DSm622	LD122
B093	Aficio 2027	4027	DSm627	LD127
B121	Aficio 2015	4015	DSM615	LD115
B122	Aficio 2018	4018	DSM618	LD118
B123	Aficio 2018D	4018D	DSM618d	LD118D
B129	Aficio 1515	3515	DSm415	LD015
B130	Aficio 1515MF	3515MF	DSm415pf	LD015spf
B132	Aficio 3260c	C6045	DSc460	LD160c
B135	Aficio 2035e	4035e	DSm635	LD135
B138	Aficio 2045e	4045E	DSm645	LD145
B140	Aficio 2060	4060	DSm660	LD160
B141	Aficio 2075	4075	DSm675	LD175
B142	Aficio 2060SP	4060sp	DSm660sp	LD160 SP
B143	Aficio 2075SP	4075sp	DSm675sp	LD175 SP
B147	Aficio 2232c	C3224	DSc332	LD232c
B149	Aficio 2238c	C3828	DSc338	LD238c
B156	Aficio 3224c	C2410	DSC424	LD124C
B163	Aficio 2051	4051	DSm651	LD151

Product Code Ricoh Corp Savin (USA) Model Name Model Name		Gestetner Model Name	Lanier Model Name	
B168	Aficio 1515F	3515F	DSm415f	LD015f
B169	Aficio 2013PS	Aficio 2013PS DSm415p		LD015sp
B178	Aficio 3235C	C3528	DSc435	LD335c
B180	Aficio 3245C	C4535	DSc445	LD345c
B182	Aficio 2035eSP	4035Esp	DSm635sp	LD135
B183	Aficio 2045eSP	4045Esp	DSm645sp	LD145
B188	Aficio 480W	4800WD	A080	LW411
B190	Aficio 2228c	C2820	DSc328	LD228c
B200	Aficio 5560	SDC555	CS555	LC155
B202	Aficio 3228C	C2824	DSC428	LD328c
B205	Aficio 3025 SP/SPF/SPi/P	8025 SP/SPF/Spi/G	DSm725 SP/SPF/Spi/G	LD225/SP
B209	Aficio 3030 SP/SPF/SPi/P	8030 SP/SPF/Spi/G	DSm730 SP/SPF/Spi/G	LD230
B222	MP C3500	C3535	DSc535	LD435c
B224	MP C4500	C4540	DSc545	LD445c
B228	Aficio 2051SP	4051sp	DSm651sp	LD151 SP
B229	Aficio 615c	SGC 1506	GS 106	LD215cg
B230	30 Aficio MP C2500 C2525 DSc525		LD425c	
B234	B234 Aficio MP9000 8090 DSm790		LD190	
B235	Aficio MP1100	8110	DSm7110	LD1110
B236	Aficio MP1350	8135	DSm7135	LD1135
B237	Aficio MP C3000	C3030	DSc530	LD430c
B245	Aficio MP 1500	-	DSm715	LD315
B246	Aficio MP 5500	8055	DSm755	LD255
B248	Aficio MP 6500	8065	DSm765	LD265
B249	Aficio MP 7500	8075	DSm775	LD275
B250	Aficio MP 5500 SP	8055 SP	DSm755 SP	LD255 SP
B252	Aficio MP 6500 SP	8065 SP	DSm765 SP	LD265 SP
B253	Aficio MP 7500 SP	8075 SP	DSm775 SP	LD275 SP
B259	Aficio 2016	8016	DSm616	LD116
B260	Aficio 2020	8020	DSm620	LD120
B261	Aficio 2020D	8020d	DSm620d	LD120d
B262 / B292	Aficio MP 161	816	DSm416	LD016
B264	Aficio 3035 SP/SPF/Spi/G	8035 SP/SPF/Spi/G	DSm735 SP/SPF/Spi/G	LD235
B265	Aficio 3045 SP/SPF/Spi/G	8045 SP/SPF/Spi/G	DSm745 SP/SPF/Spi/G	LD245
B276	Aficio MP 1600	9016	DSm716	LD316
B277	Aficio MP 2000	9021d	DSm721d	LD320
B284	Aficio MP 161F	816f	DSm416f	LD016f
B288	Aficio MP 161SPF	816mf	DSm416pf	LD016SPF
B291	Aficio MP 3500G	8035eg	DSm735eg	-
B295	Aficio 4500G	8045eg	DSm745eg	-
B296	Aficio MP 3500	8035e	DSm735e	LD335
B297	Aficio MP 4500	8045e	DSm 745e	LD345
D007	Aficio MP 2510	8025e	DSm725e	LD325
D008	Aficio MP 3010	8030e	DSm730e	LD330

# **3** Scan to Folder PC Preparation

Use of the Scan to Folder function requires the creation of a destination folder on a PC. This section covers the creation, sharing, and user access setup of this folder on the Windows 2000 and XP operating systems.

#### NOTES

- Do not create the folder on the desktop. In a domain, it may not be possible to scan to a desktop folder even with proper share settings in place.
- For Windows 2000 and XP, users will need login name and password information
- Multiple folders can be created, if required.

# 3.1 Windows 2000 PC Preparation

This section details the steps used to configure a computer for use with Scan to Folder. A shared folder has to be set up, along with user accounts and access.

### 3.1.1 Adding New Users

- 1. On the Windows Desktop, right-click on the My Computer icon.
- 2. From the right-click menu, select Manage to open the Computer Management screen.

Computer Management     File Action View Window He $\Rightarrow$	łp			-D× -8×
📃 Computer Management (Local)	Name	Full Name	Description	
System Tools     General Viewer     Genera Viewer	Administrator ASPNET Guest HelpAssistant IUSR_L61383 StWAM_L61383 Gsofthous SUPPORT_38	ASP.NET Machine Account Remote Desktop Help Assi Internet Guest Account Launch IIS Process Account Super User CN=Microsoft Corporatio	Built-in account for Account used for m Built-in account for Account for Provic Built-in account for New User New User Refresh Export List View	r administering the unning the ASP.N r guest access to t ing Remote Assist anonymous acce Internet Informa count for the He
Creates a new Local Licer account			Arrange Icons 🔸 Line up Icons	
creates a new Local Oser account.			, Help	

- 3. Under the *Local Users and Groups* section, select **Users.**
- 4. In the right window, right-click and select New User.

- 5. In the proper fields, enter the **User Name**, **Password**, and **Confirm Password** for the new user.
- 6. Check each of the option boxes as needed.
  - For Scan to Folder, the User cannot change password and Password never expires are helpful.

### NOTES

If the user name and/or password changes, access to the folder from the MFP will fail.

 If this happens, the user must to reset the password on the MFP to reflect the change made on their PC.

Jser name:	John
Full name:	John Doe
Description:	Test user
Confirm passwo	ord:

### 3.1.2 Creating a New Folder

This sections details the creation of a new folder for use when by the Scan to Folder function.

- 1. Open the directory/driver in which the folder will reside.
  - Do not create the folder on the desktop. In a domain, it may not be possible to scan to a desktop folder even with proper share settings in place.
- Right-click in the desired root folder, and select New → Folder to create a new folder.
- 3. Enter the new folder's name.
- 4. Right-click on the new folder, and select **Sharing**.





- 5. This will open the folder options menu.
  6. Click and Sharing the folder options defined by the state of the state
- 6. Click on the Sharing tab to access the folder's sharing settings.
- 7. Select Share this folder.
- 8. Click the Permissions button to set up user rights and access.

	Scans Properties
	General Web Sharing Sharing
	You can share this folder among other users on your network. To enable sharing for this folder, click Share this folder.
	Do not share this folder     Share this folder
2	Share name: ScantoFolder
	Comment
p	User limit:
	C Allow Users
	To set permissions for how users access this folder over the network, click Permissions.
	To configure settings for Offline access to Caching Laching
	N <u>e</u> w Share
	OK Cancel Apply

	Permissions for Scans	? ×
	Share Permissions	1
	Group or user names:	
	🕵 Everyone	
9. On the Permissions pop-up, verify that the Group labeled <b>Everyone</b> is present.	Add	Remove
10. Check to ensure that the group has both <b>Change</b>	Permissions Allow	Deny
and <b>Read</b> permissions enabled.	Full Control	
	Read	<u> </u>
	OK Cancel	

### 3.1.3 Private User/Group Folder Creation

To specify access to the shared folder, a private user or group can be created allowing only certain users to access the folder.

- 1. On the permissions pop-up, select **Everyone** (see screenshot above).
- 2. Click Remove to delete Everyone from the permissions list.
- 3. Click the Add button to add a new user/group.
- 4. From the User/Group selection screen, click on the User/Group to add.
- 5. Click **Add** to add the User/Group to the list.

Name	In Folder	
🛿 Administrator	GALEN	
🛿 Fred	GALEN	
😓 Guest	GALEN	
IUSR_GALEN	GALEN	
Administrators	GALEN	1
Add Check Names		
ALEN\Fred		-

Name	In Folder	
Administrator	GALEN	
8 Fred	GALEN	ana ana d
Succest	GALEN	
VIUSR_GALEN	GALEN	
V IWAM_GALEN	GALEN	
Administrators	GALEN	
Add Check	<u>s Names</u>	e from list

- 6. In the lower box of the User/Group screen, the added user/group will appear (*at left*).
- 7. Once all of the desired users/groups have been added, click **OK** to save the changes and return to the permissions screen.

Chara Par		
<ul> <li>8. On the user/group permission screen, select the new user.</li> <li>9. Check the Change box to grant editing permissions in the shared folder. <ul> <li>Read only is the default setting.</li> </ul> </li> <li>10. Click OK to save changes and exit.</li> </ul>	ions: Allow Control Inge	Add <u>Bernove</u> Deny

# 3.2 Windows XP PC Preparation

The process for creating a folder and adding users in Windows XP is the same as Windows 2000. The only difference is the check boxes to enable from the folder-sharing tab.

P

1. 2.	Right-click on the shared folder. From the right-click menu, select <b>Sharing and Security</b> .	<b>Open</b> Explore Search Scan for Viruses	
	Scans Properties         General       Sharing       Customize         Local sharing and security       To share this folder with other users of this computer only, drag it to the Shared Documents folder.         To make this folder and its subfolders private so that only you have access, select the following check box.       Ake this folder private         Network sharing and security       To share this folder with both network users and other users of this computer, select the first check box below and type a share name.       Share name:       Share name:       Share name:       Share name:       Click App the setting         Make this folder on the network       Share name:       Scans       Share name:       Stare nam	Sharing and Security Send To Cut Copy Create Shortcut Delete Rename Properties boxes labeled Sha the network and A sers to change main ly and then OK to s. be allowed to cha	re this Allow y save

# 4 PC Network Settings

In order to for Scan to Folder to function correctly, some Network Settings must be added or changed. This section details these settings and the process used to add/alter them.

- 1. There are two ways to access the Network settings. They are:
  - A. From the Windows desktop, right-click on the **My Network Places** icon and select **Properties**.
  - B. From the Windows start menu, follow this click path: Start → Settings → Control Panel
    → Network and Dial-up Connections (2000) or Network Connections (XP).
    - From the Connections screen, right-click on the appropriate network connection, and select **Properties**.
- 2. From the Connection's Properties screen, highlight Internet Protocol (TCP/IP).
- 3. Click the **Properties** button to access the TCP/IP settings (see figure below at left).

Local Area Connection Properties	Internet Protocol (TCP/IP) Properties	<u>? ×</u>
General Sharing	General	
Connect using:      30cm 3C920 Integrated Fast Ethernet Controller (3C905C-	You can get IP settings assigned automatically if your network this capability. Otherwise, you need to ask your network admini the appropriate IP settings.	supports istrator for
Configure	Obtain an IP address automatically	
Components checked are used by this connection:	C Use the following IP address:	
WWLink IPX/SPX/NetBIOS Compatible Transport Proto	IP address:	
Internet Protocol (TCP/IP)	Subnet mask:	
	Default gateway:	
Install Uninstall Properties	Obtain DNS server address automatically	
Description	C Use the following DNS server addresses:	
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication	Preferred DNS server:	
across diverse interconnected networks.	Alternate DNS server:	
Show icon in taskbar when connected	Ac	Ivanced
OK Cancel	 ОК	Cancel
	Advanced TCP/IP Settings	▼ ?×
	IP Settings DNS WINS Options	
On the bottom right of the Properties	WINS addresses, in order of use:	
pop-up. click the <b>Advanced</b> button.		
From the Advanced TCP/IP settings		
menu select the <b>WINS</b> tab		*
Check the following settings based on the		
Nieters de astrono	Add Edit Hemove	
INETWORK SETUP:	If I MHOSTS lookup is enabled it enables to all enables for	v which
1. Enable NetBIOS over TCP/IP	TCP/IP is enabled.	a writch
2. If DHCP is in use, enable <b>Use</b>	Enable LMH0STS lookup     Import LM	HOSTS
NetBIOS setting from the DHCP		
server.	Enable NetBIOS over TCP/IP      Disable NetBIOS over TCP/IP	
Click <b>OK</b> to save the settings.	Use NetBIOS setting from the DHCP server	
	OK	C

# 5 MFP Configuration at the Operation Panel

In addition to creation and configuring of the shared folder at the PC, the MFP must be configured in order to use the Scan to Folder function. This section covers the configuration performed at the MFP operation panel.

# 5.1 Enabling the SMB Protocol

Since Scan to Folder uses the SMB protocol to function, it must be enabled at the MFP.



### 5.1.1 SMB Workgroup Name

The SMB Workgroup name must match at least one of the workgroups on the network in order to browse the network for a shared folder. To view/edit the SMB workgroup, follow this path from the operation panel: System Settings  $\rightarrow$  Interface Settings  $\rightarrow$  Page 2  $\rightarrow$  SMB Computer Name  $\rightarrow$  SMB Workgroup (*see below*).

😰 System Settings			Exit
General Features Settings S	Timer Interfa Settings Settir	<mark>ace</mark> File Ad Igs Transfer Ad	ministrator Tools
Network			Print List
SMB Computer Name	MPC4500	Permit SSL / TLS Comm	unication Ciphertext Priority
SMB Work Group	WORKGROUP	Host Name	mpc4500
Ethernet Speed	Auto Select	Machine Name	RICOH Aficio MP…
Ping Command			
Permit SNMPv3 Communication	Encryption / Clear Text	2/2	🔺 Previous 🔍 Next

## 5.2 User Address Configuration

Users must have the shared folder information added to their account in order to use Scan to Folder. This section details the process for adding the folder information to a user's account.

- 1. Start by following this click path at the MFP: User Tools → System Settings → Administrator Tools (or Key Operator Tools) → Address Book Management.
- 2. From the Address Book Management screen, select either **New Program** or select a user to edit from the address list.



3. From the Program/Change Address screen, select the **Folder** tab to add the shared folder's address information.

	Program / C	Change Address	, Book			Cancel	) ок
	Names	Auth.	Info Protection	Fax Dest.	E-mail	Folder	Add to Group
	S	MB	FTP	NCP			
	, ►Path	Î					Change
			Browse Network			Ca	onnection Test
4.	From the as the pro	Folder sc otocol in u	reen, press <b>SMB</b> use for the shared	to select it folder.	Job List		
5.	Next to the to search	he Path fie for the sh	eld, press <b>Brows</b> ared folder on th	e Network			

### NOTES

- Entering the direct path to the shared folder in the Path field is also possible. However, ALL of the information (computer name, PC IP address, etc.) must be exact or the connection will fail.
- If Browse fails, use IP address (or Computer Name) and select Browse.

Browse Network  MYGROUP Browse Network	WORKGROL	P 7	<ul> <li>6. From the Browse Network page, select the group and workstation to access the folder.</li> <li>In the example at left, the group is <i>WORKGROUP</i>, and the Workstation is <i>MPC4500</i>.</li> <li>7. Press the workstation to select it, and access the shared folder.</li> </ul>
Lip One Level RNP8BE866 RNPA90FE0	MPC4500  RNP90BFE4  RNPAE127D	RNP945826	← → PNP 7B36DB PA3F9BA Job List
<ol> <li>A message will app log in with the ente</li> <li>Click Exit to close</li> </ol>	pear stating "Can ered password." the message.	not	Cannot log in. Please enter user name and password.
10. A login screen will screen enter the us password added in	open. In the log er name and section 3.1 ( <i>page</i>	un 6).	<ul> <li>Enter login user name and login password, then press [Login].</li> <li>VMPC4500</li> <li>Login User Name</li> <li>Enter</li> <li>Login Password</li> <li>Enter</li> </ul>

- 11. If the login is successful, a message will open stating "Connection with PC has succeeded."
- 12. Navigate through the folders to find the Shared Folder (named *Scans* in this example).

Browse Network	Cancel OK
\\MPC4500\Scans	$\leftarrow \rightarrow$
🔁 Up One Level	
System Status Job L	ist

Page 13 of 40 Copyright 2007 – Ricoh Americas Corporation

- 13. Press the folder to select it, and press **OK** to return to the main folder tab.
- 14. The address of the shared folder (*Scans*) now appears in the path field of the User's folder tab. The shared folder connection is now complete.



# 6 Scan to Folder Configuration via Web Image Monitor

The address book settings made at the operation panel in section 5 can also be set up in Web Image Monitor (WIM). This section details the steps used to configure the Scan to Folder address settings via WIM.

## 6.1 Web Image Monitor Administrator Login Process

In order to access, and change, the necessary settings, it is necessary to login to WIM as an Administrator. The Administrator login process is outlined below.

- Enter the IP address in the address field using the following form: http://printer host name or IP address (e.g. <u>http://172.16.121.40</u>) and click on Go or press Enter. This opens the page shown in Figure 6.1 below.
- 2. In the upper right-hand corner, click Login, which opens a login page (Figure 6.2).

Web I	mage Monii	tor		<b>e q</b>	? i ELogin
Home Document Server Fax Received File Printer: Print Jobs Job Configuration	Home Status Device Na Location Comment Host Nam	Device Info ( ame : : : ue :	Counter Inquiry	English	Refresh ?
	Status				
	Printer Copier	<ul><li>Alert</li><li>Alert</li></ul>	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Printer:	×.

Figure 6.1: Web Image Monitor Main Screen

Web Image Monitor
Login User Name : User1 Login Password : ******* Login

Figure 6.2: Web Image Monitor Login Page

- 3. Access to Administrator mode requires a password. Login to enter Administrator mode.
- 4. If the login was successful, the word **Administrator** in the upper right-hand corner. See Figure 6.3.

#### NOTE

The login process may differ slightly depending on the machine in use.



Figure 6.3: Administrator Main Screen

#### **NOTE – Non-Secure Devices**

For non-secure devices, access WIM and click the Administrator button in the upperright corner of the page. At the login screen, leave the user name *blank* and enter *password* in the password field.

Network

IPv4

IPv6
NetWare
AppleTalk
SMB
SNMP
SNMPv3
SSDP
Bonjour
System Log

## 6.2 WIM Protocol Settings

After logging in as an Administrator, all of the necessary settings can be changed from WIM. This section details each of the settings needed to use Scan to Folder.

### 6.2.1 Enabling the SMB Protocol

In order to use Scan to Folder, the SMB protocol must be enabled.

- 1. From the left-hand toolbar, select **Configuration**.
- 2. Under the Network heading, select **SMB**.
- 3. Next to SMB, click the Enable radio button.

SMB		
OK	Cancel	
SMB :	↓ © Enable <sup>O</sup> Disable	
General Settings		
Protocol	: IPv4	
Workgroup Name	: WORKGROUP	
Computer Name	: RNPA90FE0	
Comment	:	
Share Name	: MPC4500	



5. Click **OK** to save the settings and return to the Configuration page.

### 6.2.2 Default User Name for SMB and FTP

- To set the default user name and password for SMB and or FTP (if using Scan to FTP), select File Transfer from the Configuration screen.
- 2. Enter the user name and password (by clicking the change button).
- 3. Click **OK** to save the changes and exit.

ок	Cancel
Default User Na	me/Password (Se
SMB User Name	:
SMB Password	: Change
FTP User Name	:
FTP User Name FTP Password	: Change
FTP User Name   FTP Password   NCP User Name	: Change

### 6.2.3 SNMP Configuration

The SNMP protocol can be enabled and configured via WIM.

- 1. From the Configuration page (or toolbar depending on the version of WIM in use), click on **SNMP** (under the Network heading).
- 2. Next to the field labeled SNMP, ensure that the **Enable** radio button is selected.
- 3. Under the protocol heading, the enabled protocol should be either TCP/IP or IPv4 (depending on the version of WIM in use).

SN 🛛	IMP	: 💽 Enable	C Disable		
Pro	tocol				
IP-	74	: 💽 Enable	C Disable		
IP-	<i>r</i> 6	: 🧿 Enable	C Disable		
IP:	X	: 🧿 Enable	C Disable		
SN	MPv1/v2 Setting				
SN	MPv1/v2 Function	: 💽 Enable	C Disable		
SN	MPv1 Trap Communic	cation : 💿 Enable	C Disable		
SN	MPv2 Tran Communic	ration · O Enchlo	Diashla		
Pe	rmit Settings by SNMP	vl and : • On •	Off		
Pe v2 Cor	mit Settings by SNMP munity Community Name	V1 and : • On C	Off Protocol Type	Enable/Disable	Manager Addre
Pe v2 Cor No.	mit Settings by SNMP amunity Community Name	VI and : COn C	Off Protocol Type IPv4	Enable/Disable	Manager Addre
Pe v2 Cor No. 1	mit Settings by SNMP munity Community Name public	v1 and :  € On O Access Type read-only ▼	Off Protocol Type IPv4 IPv6	Enable/Disable © Enable C Disable © Enable C Disable	Manager Addre
Pe v2 Cor No. 1	muit Settings by SNMP	VI and : COn C Access Type read-only	Off Protocol Type IPv4 IPv6 IPX	Enable/Disable © Enable © Disable © Enable © Disable © Enable © Disable	Manager Addres 0.0.0.0  0.000000
Pe v2 Cor 1	muit Settings by SNMP	VI and : COn C Access Type read-only read-write	Protocol Type IPv4 IPv6 IPX IPv4	Enable/Disable © Enable C Disable © Enable C Disable © Enable C Disable © Enable C Disable	Manager Addre 0.0.0.0 :: 0 : 000000 0.0.0
Pe v2 Cor No. 1	muit Settings by SNMP	VI and : On O Access Type read-only •	Off Protocol Type IPv4 IPv6 IPx4 IPv4 IPv6	Enable/Disable © Enable C Disable © Enable C Disable © Enable C Disable © Enable C Disable © Enable C Disable	Manager Addre 0.0.0.0 :: 0 : 000000 0.0.0.0 ::

#### **SNMP** Community Settings

Under the Community heading, there should be two default Communities listed: public and admin. Do not change these default community settings, unless necessary to meet network security settings.

## 6.3 WIM Address Book Configuration

Using Web Image Monitor, user data can be added, deleted, and/or modified to ensure it is up to date. It also provides a faster, more efficient manner in which to update the address book than data entry from the MFP Operation Panel. This section outlines the steps to modify the MFP address book.

- 1. Login to Web Image Monitor as an Administrator (see section 6.1 page 15).
- 2. From the left-hand toolbar, select **Address Book**.
- 3. The Address Book main screen will open. It displays the existing user list, including the Registration number, E-mail address, Name of each user (Figure 6.4).
- 4. From the Address Book main screen, click **Change** to edit an existing user or **Add User** to create a new user account.

Add	dress List						Re	fresh 🍞
	Back							
	Change 💽	Add User	A	dd Group	Delet	te 💽 Maint	enance	
liew:	All	~		Search	for: Registre	ation No. 💌	Search	
	1/5 🕞 🗎	Page :		Go	Display Items	: 10 💌 Nu	mber of Registered: User(s)47 G	roup(s)2
30	1/5 🕟 📦 Registration No.	Page : Name	Freq.	Go I Title 1	Display Items User Code	: 10 💌 Nu Fax Destination	mber of Registered: User(s)47 G: E-mail Address	roup(s)2 Folder
	1/5 • • • • • • • • • • • • • • • • • • •	Page : Name user1	Freq.	Go <sup>1</sup> Title 1 RST	Display Items User Code 	Fax Destination	mber of Registered: User(s)47 G E-mail Address user1@servicebox.example.com	roup(s)2 Folder 
	1/5 • • • • • • • • • • • • • • • • • • •	Page : Name user1 user2	Freq. Off Off	Go I Title 1 RST EF	Display Items User Code 	Fax Destination	mber of Registered: User(s)47 G E-mail Address user1@servicebox.example.com user2@servicebox.example.com	roup(s)2 Folder 
	1/5 • • • • • • • • • • • • • • • • • • •	Page : Name user1 user2 user3	Freq. Off Off Off	Go 1 Title 1 RST EF OPQ	Display Items User Code	E 10 Nur Fax Destination  	mber of Registered: User(s)47 G E-mail Address user1@servicebox.example.com user2@servicebox.example.com user3@servicebox.example.com	roup(s)2 Folder  

Figure 6.4: Address Book Main Screen

 From the main address list, click Add User to add a new user. OR click radio button next to the name of the desired user and click Change.



OV	Sam and Add An	athan Cancal	
UK	Save and Add An	iomer Cancer	
Registration	n No. : 0002	22	
Name	: User	r1	
🔳 Key Displ	ay :User	r1	
Title			
Title 1	: UVV	N 💌	
Title 2	None	e 💌	
Title 3	: None	e 💌	
Add to Fre	q. : 💽 Or	n COff	

- 2. For new users, a Registration number will be auto-populated.
- 3. Enter a Name and Key Display (what will appear on the MFP Op panel).

**NOTE:** If no **Key Display** is entered, the user will not appear on the MFP operation panel.

- 4. From the drop down boxes, select the user's title(s).
- 5. If desired, select **On** in the Add to Freq. Radio button to have the user appear in the Frequent tab on the MFP.
- 6. Under the Authentication Information heading, specify the necessary information (User Code, SMTP, Folder, LDAP, etc). The **Specify Other Auth. below** radio must be selected to edit the Authentication information.
- In the Protocol drop down box (under the Folder heading) select \_\_\_\_\_\_
   SMB to make it the protocol in use.
- Enter the path to the shared folder on the PC (*the path created in section 5.2* – page 12).
- In the Folder Authentication section (under the Authentication Heading), enter the user name and password needed to access the folder.
  - Be sure to highlight the Specify Other Auth. Info Below radio button.

TOTAL		
Protocol		SMB 💌
Port No.	•••	21
Connection Type	:	NDS 💌
Server Name		
Path	:	

Aumentication Inn	Imation		
User Code		a 🛛	
SMTP Authenticati	on	: C Specify Other Auth.	Info below: 📀 Do not Specify
	Login User Na	me	
	Login Passw	ord: Change	
Folder Authenticati	on	: 🏷 Specify Other Auth.	Info below: 🗢 Do not Specify
	Login User Na	me :	
	Login Passua	md Change	

# 7 Address Book Configuration via SmartDeviceMonitor

Using the Address Management tool in SmartDeviceMonitor for Admin (SDMA), user accounts can be added, or modified, to include all of the settings needed to use Scan to Folder. This section details the process used to change the settings via SmartDeviceMonitor.

#### NOTE

- It is best to download and install the latest version of SDMA to ensure that it will work properly with the latest devices.
  - SDMA is located on the device's driver download website.
  - Once SDMA is launched, it will automatically search the local area network for devices

## 7.1 Searching Network Segments

In order to access the address book of a device, a network search must be performed first to find the device. To speed up this process, follow the steps below to search specific network segments.



# 7.2 Address Book Configuration

After locating the device list on the desired network segment, the address book settings can now be modified to work with Scan to Folder.

SmartDeviceMonitor for A         Group Device Edit View         D       D         Name       A         AP2610 P	Admin - [Search Device <tcp ip="">] Tools Window Help NIB Setup Tool Device Settings User Management Tool Scool Period John List/Christer)</tcp>	1. 2.	From the device search results page, select the device to configure. In the main toolbar, click Tools → Address Management Tool.
• AP3800C 1	Address Management Tool	Aficio AP3800C	Color Printer
• H3067230E 1.3.7 1	Load Fax Journal	H3067220D	
• RDP_691318 17	72.16.163.80	Aficio 1050	RICOH Aficio 1050 / RICOH Ne
<ul> <li>RDP_692233</li> <li>17</li> </ul>	72.16.163.35	Aficio 850	RICOH Aficio 850 / RICOH Net
• RDP_C69998 17	72.16.160.33	Aficio 1018D	RICOH Aficio 1018D / RICOH N
• RDP_D10527 17	72.16.160.34	Aficio 1013F	RICOH Aficio 1013F / RICOH N
RNP6A5EAD 17	72.16.160.26	LASER AP2600	N
<ul> <li>RNP6A5EB1 17</li> </ul>	72.16.160.24	LASER AP2600	N
<ul> <li>RNP6EE9A7</li> <li>17</li> </ul>	72.16.163.82 🕒 Replace/Supply	Aficio 2090	
<ul> <li>RNP6FB181</li> <li>17</li> </ul>	72.16.160.108	Aficio 1232C	
<ul> <li>RNP704D32</li> <li>17</li> </ul>	72.16.160.31	MLP26n	
<ul> <li>RNP729B7D 17</li> </ul>	72.16.160.37	2545/2245	
• RNP733A51 17	72.16.160.30	Aficio CL3000	
<ul> <li>RNP758C0C</li> <li>17</li> </ul>	72.16.160.141	Aficio CL7000	Duluth_GA Showroom
<ul> <li>RNP77CE19</li> <li>17</li> </ul>	72.16.163.71	Aficio CL7000	
RNP77CEFD 17	72.16.160.125	Aficio CL7000	
<ul> <li>RNP793D42</li> <li>17</li> </ul>	72.16.160.206	Aficio 1224C	
<ul> <li>RNP7D059E 17</li> </ul>	72.16.160.182	Aficio 2022	
SAVIN_SERVICE 17	72.16.160.36	9945DPE/2045	DPE SAVIN 9945DPE/2045DPE
<ul> <li>SLP38c DE 17</li> </ul>	72.16.160.32	SLP38c DE	SAVIN SLP38c DE
Unidentified name 17	72.16.163.33	EFI Fiery Embe	dded EFI Fiery Embedded
			Interval: 20 Sec

- 3. At the Password/Authentication screen, login as an Administrator.
- 4. To add a new user, click the add new user button, or double click on an existing user to edit his or her user account settings.

📲 Aydress Ma	magement Tool - RN	1P7D05	i9E : 172.1	6.160.182						
<u>Eile E</u> dit <u>V</u> iew	Help									
<b></b>	a 🗙 🗐 🏂									
Registration No.	Name	Freq.	Title 1	Title 2	Title 3	User Code	Fax No.	E-mail Address	Folder	Status
8 00001	Fred Jones	Yes	EF			1234		fred@seminar.com	cfg	
1										15
Foundation and a Fit								Mar day		-
For Help, press FI								∣™aximu	im users: 1999 Maximum	groups: 100

- 5. For new users, enter the Name and Key Display in the appropriate fields.
- 6. On the **Title** tab, select the user's title from the drop down box.
  - Also, check the Add to Freq. Box to add the user to the *Frequent* tab on the MFP operation panel.

U	lser Pro	operties			?×
	<u>R</u> egistral	tion No.:		00002	
	<u>N</u> ame:			John Smith	
	<u>K</u> ey Disp	olay:		John	
	Title	User Code	Fax	E-mail Address   Group   Folder   Prote	
	Ti	tle <u>1</u> :	IJK	•	
	Ti	tle <u>2</u> :	None	•	
	Ti	tle <u>3</u> :	None	•	
		Add to Frea			
	,.	Had to Llod.			
	Entering	text other tha	n US-A	SCII will cause garbled text on some machin	es.
				OK Car	icel

User Properties	? 🛛
<u>R</u> egistration No.: <u>N</u> ame: <u>K</u> ey Display:	00002 John Smith John
User Code Fax	E-mail Address   Group Folder   Protect Dest.   • •
	C FTP
P <u>o</u> rt No.:	
Server Name: Pa <u>t</u> h:	Browse
<u>U</u> ser Name:	Change
Eassword:	
Entering text other that	n US-ASCII will cause garbled text on some machines.
	OK Cancel

- 7. On the User Properties screen, click the tab labeled **Folder**.
- 8. Under the Protocol section, select SMB to enable it for use with Scan to Folder.
- 9. Enter the path to the shared folder via browsing the network or using the address from the MFP operation panel configuration (*section* 5.2 page 12).
- 10. Enter the User Name and Password used to access the folder in the appropriate fields.
- 11. Click **OK** to save the settings and add the new user (or modify the existing user).

12. The new user will show up in the Address list for the selected device, with the notation of **Added** in the Status column.

Eile Edit View	Help							
2 2 2	a 🛛 🖼 者	·						
Registration No.	Name 1	Freq.	Title 1	User Code	E-mail Address	Folder	Status	_
2 00001	Fred Jones	Yes	EF	1234	fred@seminar.com	cig		
<b>2</b> 00002	John Smith	Yes	IJK		john@seminar.com		Added	
<								Î
or Help, press F	1				Maxim	um users:"	groups: 100	0

- 13. To finalize the changes and apply them to the MFP, click the apply button on the toolbar.
- 14. On the Confirm (Apply Settings) pop-up, click **Yes** to save the changes and apply them to the MFP.

Confirm [Apply Settings]	
Are you sure you want to apply settings to the device?	
<u>Y</u> es <u>N</u> o	

# 8 Scan to Folder Operation

Once all of the necessary settings are in place, the Scan to Folder function can be used from the MFP. This section details the process used when using Scan to Folder.

- 1. On the MFP operation panel, select Scanner → Choose the User → Press Attach Sender and choose the Sender.
- 2. Choose Scanner Settings as required, and press the start key.



## 8.1 Scan to Folder Function for Non-registered Users

In some cases, a non-registered user may want to use the Scan to Folder function. In these situations, the shared folder has to be selected via a manual search.

 For non-registered users, start by pressing the Manual Entry button on the Scanner screen. This opens the Destination entry screen, from which to add the shared folder information.



- 2. On the Enter Destination screen, select **SMB** for Scan to Folder.
- 3. In the Path field, press **Manual Input** to enter the path to the shared folder (*see below*).
  - a. If the exact path is unknown, press **Browse Network** and follow the steps outlined in section 8.1.2 *page 26*.



- 4. Enter the User Name and Password by pressing the **Manual Entry** button next to each field and entering the criteria (*see section 8.1.1 below for more information*).
- 5. To ensure the settings are correct, press **Connection Test** (*lower right-hand corner of above image*) to test the link with the shared folder.

### 8.1.1 Path, User Name, and Password Manual Input

Selecting Manual Input opens a keypad used to enter in the path, user name, and/or password (see *below*).

Path	Cancel OK
Enter Path, then press [OK].	
\\smb3\scans_	$_{12/256}$ $\overleftarrow{\leftarrow}$ $\rightarrow$ Backspace Delete All
<u>` 1 2 3 4 5 6</u>	7 8 9 0 - =
q w e r t y	u i o p [ ] \
a s d f g h	j k l ; , _
z x c v b n	m , . / @
Shift Lock Shift Space	
Text Entry User Text	
	System Status Job List JUN 26,2007 1:49PM

#### **IMPORTANT**

When manually entering the path of the shared folder, make sure to follow this format: **\\computername\sharedfoldername** or **\\PC IP Address\sharedfoldername** 

### 8.1.2 Adding the Shared Folder via Browsing the Network

If the shared folder address is unknown, using the Browse Network function allows users to search the network for the folder and ensures the exact, correct address will be used as the path. This ensures the Scan to Folder scan are routed to the proper folder.

1. After pressing the Browse Network on the Enter Destination folder, a screen will open displaying the workgroups on the LAN segment in use (*see example below*).

Browse Network			Cancel	ОК
			$\leftarrow$	$\rightarrow$
🗈 Up One Level	APC4500	🖳 P1517	RNP7B36DB	
🚇 RNP8BE866	RNP90BFE4	🚇 RNP945826	🚇 RNPA8F9BA	
🚇 RNPA90FE0	🚇 RNPAE127D			
		System Status Job	List	

- 2. From the workgroup screen, select the desired workgroup (*MPC4500 in the above example*) and press **OK**.
- 3. Browse the workstations available in the workgroup to find the one containing the shared folder.
- 4. A message will appear stating "Cannot log in with the entered password."
- 5. Click **Exit** to close the message.
- 6. A login screen will open. In the login screen enter the user name and password required to access the PC.
  - If the user does not know this information, Scan to Folder will fail.
- 7. After completing the login process, browse the workstation for the shared folder.
- 8. Select the folder, and press **OK** to save the path and exit (*see example below*).

Enter Login user name and Login password, then press [Login].							
► Login User Name	Enter						
Login Password	Enter						
Cancel	Login						

Browse Network	Cancel	ОК
\\MPC4500\Scans	$\leftarrow$	$\rightarrow$
🛍 Up One Level 🗀 Scans		
System Status Job List		

#### NOTE

After selecting the folder, perform press Connection Test to verify that the folder path is valid.

9. With the selected folder is displayed in the Scanner destination window (*see below*), press Start to complete the Scan to Folder process.

		Store File	Scanned Files Status	Check Modes
<b>1</b>	Ready	Search Dest, Delive	ry Dest. Preview	Ttl. Dest. Memory
	Specify the next destination (	or press the Start key	<i>.</i>	
B & W: Text / Line Art 200 dpi	E-mail Folder	\		
Auto Detect: Same Size		Coope	Folder Dest.	Pra Dost
Scan Settings "	Manual Entry	SUdits	l	rig. Dest.
Auto Density				
1 Sided Original 😃				
Original Feed Type BCB				
File Name / Type "				
Select Stored File	Text Subj	ect	Sender Name	e Recept. Notice
		System Status	Job List	JUN 26,2007 1:15PM

## 8.2 Additional Scan Settings

In addition to the Scan to Folder configuration settings covered in previous sections, there are other features available at the MFP operation panel for modifying the scan settings.

#### 8.2.1 Scanner Features

This section covers additional scan settings available in the Scanner Features settings of User Tools. To access this section, click **User Tools** on the MFP, and then press **Scanner Settings** (*see below*).

🊸 Us	🚸 User Tools / Counter / Inquiry 🛛 💦 💽 Exit			
		Copier / Document Server Features	日本語	
	System Settings	Facsimile Features	Inquiry	
		Printer Features		
ß	Maintenance	Scanner Features		
123	Counter	Extended Feature Settings		
		System Status Job List	JUN 27,2007 11:36AM	

#### **General Settings Tab**

- Priority 1 Data displayed when Scan button is pushed: either embedded scanning or ScanRouter
- **Priority 2** Default selection when embedded scanning is selected: either scan to e-mail or scan to folder

L Scanner Features	Exit
General Scan Send Settings Settings Setting	gs Initial Settings
Switch Title Title	1 Print Scanner Journal
Update Delivery Server Destination List	Delete Scanner Journal
TWAIN Standby Time 1 O	second
Destination List Display Priority 1 Deliv	very Server
Destination List Display Priority 2 E-ma	il Address
Print & Delete Scanner Journal On	

#### Scan Settings

From the Scan Settings tab of the Scanner Features section, users can edit settings such as:

- Wait Time for Next Originals
- Background Density of ADS

L Scanner Features	Exit
General Scan Send Initial Settings Settings Settings	
A.C.S. Sensitivity Level	
Wait Time for Next Orig.: Exposure Glass 6 O second	
Wait Time for Next Original(s): SADF 6 0 second	
Background Density of ADS (Full Color)	

#### Send Settings

The majority of the settings available via the Send Settings tab are used for Scan to E-mail, such as:

- Max E-mail Size
- File Type Priority (pdf, tiff, single or multi-page)
- Divide and Send E-mail

Scanner Features			Exit
General Scan Settings Settings	Send Initi Settings Setti	al. ngs	
Compression (Black & White)	On	Stored File E-mail Method	Send File
Compression (Gray Scale / Full Color)	Compression Level 3		
High Compression PDF Level	Standard		
Max. E-mail Size	2048 KB		
Divide & Send E-mail	Yes (per max. size)		
E-mail Information Language	American English		
No. of Digits for Single Page Files	4 Digits		

#### **Default Scan Settings**

To access, view, and/or modify the default scan settings, select the **Scan Settings** button from the Scanner main screen.

#### NOTE

In older MFPs, access the default scan settings via this click path: User Tools  $\rightarrow$  Scanner Features  $\rightarrow$  Scan Settings  $\rightarrow$  Default Scan Settings



Selecting Default Settings will bring up the default scan settings screen (*see image below*). From this screen, users can edit the following default settings:

- Scan Type
- Resolution
- Image Density
- Scan Size

	Store File Scanned Files Status	Check Modes
Set original and specify	Search Dest. Delivery Dest. Preview destination.	Ttl. Dest. Memory
Scan Settings		ОК
Scan Type Resolution	Scan Size 🗸 Edit 🔪	
Select Scan Type. Black & White: Text B & W: Text / Line Art Gray Scale	B & W: Text / Photo Black & White: Photo	Dropout Color
Full Color: Text / Photo Full Color: Glossy Photo		
Auto Color Select		

### 8.2.2 Scanner System Settings

In addition to the Scanner Features section, there are also scan settings in System Settings, which can be modified. To access these settings open User Tools and press **System Settings**.

#### File Transfer

From the System Settings screen, select the **File Transfer** tab. From this screen the Scanner Recall Interval Time can be changed.

• Scanner Recall Interval Time: The amount of time the MFP waits before attempting to resend a scanned file that encountered a connection failure.

🔞 Syste	em Settings	;		
General Features	Timer Settings	Interface Settings	File Transfer	Ad
Program .	/ Change / Delete	E-mail Messag	e	
Auto Specify Sender Name Off				
Fax E-mail Account				
Scanner Res	end Interval Time	300 sec	cond(s)	
Number of	Scanner Resends	3 time(	s)	
and a state and	and the attractor	a aliana	und a des	

#### Administrator/Key Operator Tools

To access this screen, select the Administrator/Key Operator Tools (depending on the device in use) tab from the System Settings screen.

From this screen (see example below), the following scan settings can be modified:

- Address Book Management
- Title editing and selecting
- Programming/changing/deleting groups

🔯 System Settings	Exit
General Tray Paper Timer Inter Features Settings Settings Setti	face File Administrator Ings Transfer Tools
Address Book Management	Display / Print Counter
Address Book: Program / Change / Delete Group	Display / Clear / Print Counter per User
Address Book: Change Order	
Print Address Book: Destination List	
Address Book: Edit Title	
Address Book: Switch Title Title 1	
Back Up / Restore Address Book	1∕4 🔺 Previous 🔽 Next

# 9 Troubleshooting

For various reasons, Scan to Folder will sometimes fail to operate correctly. This section covers the most common issues behind the function's failure and the solutions to these issues.

# 9.1 PC-level Troubleshooting

This section deals specifically with problems on the PC that holds the shared folder, which are causing Scan to Folder to fail.

### 9.1.1 Firewalls

Firewalls may be blocking the ports used by Scan to Folder. Check any firewalls on the PC to see if the OS or third party software is blocking the following ports:

- 137 nbname TCP/UDP NetBEUI over TCP/IP name service
- 138 nbdgram UDP NetBEUI over TCP/IP (NB datagram)
- **139** nbsess TCP NetBEUI over TCP/IP (NB session)

Also, check with the network administrator. Routers may be setup to block these ports on the customer's network.

## 9.1.2 Other Settings

- Make sure that the folder on the PC is shared with full permission.
  - If it full permission is not enabled, the message below will appear when attempting to use Scan to Folder.

Onnection with PC has failed. Check the settings.
Exit

Check to ensure that the NetBIOS setting is correct on the WINS tab (*for more information, see section 4 – page 10.*

## 9.2 MFP-level Troubleshooting

This section covers common MFP setup issues that cause Scan to Folder to fail. First, make sure the following settings are enabled via the MFP operation panel:

- SMB protocol
  - o Make sure TCP+NetBEUI is selected.
- SNMP
  - o Make sure TCP/IP is the selected protocol.
- SMB Name & Workgroup
  - Make sure both are correct.

## 9.2.1 Checking the Shared Folder Path

Test the network connection by using the **Browse Network** (see section 5.2 - page 12) button to manually search for the folder. This will demonstrate whether or not the MFP is able to access the PC containing the shared folder and the folder itself.

- If the PC does not appear, manually enter the path using the IP address.
  - o Example: \\PC IP Address\shared file name

# 9.3 Signs of Scan to Folder Failure

Below are some common signs that the attempt to use Scan to Folder has failed. The sections following this address the possible solutions for these problems.

- If an error message appears stating the MFP cannot access the network, remove the MFP from the network and connect to it with a laptop via a cross over cable.
  - One of the network PCs may be causing this problem.
  - If the offending PC is removed from the network, the MFP will be able to browse the network again.
- Failed Connection Test after setting up the shared folder path.
- Even if the path to the shared folder is setup in the browser with the correct PC login credentials, scan to folder still fails.
- When using the PC's IP address instead of its computer name (as the path to the folder) scanning may work, but the MFP still cannot browse the network.

# 9.4 Checking PC Settings

If any of the problems mentioned in section 9.3 (*page 33*) occur, begin troubleshooting by checking the settings on the PC containing the shared folder.

Although the two points below will not prevent the MFP from browsing the network, it is still useful to verify that:



## 9.4.1 Checking NetBIOS over TCP/IP via Device Manager

In addition to checking the NetBIOS settings via TCP/IP properties, the setting can also be verified by the Device Manager.

- 1. To begin, follow one of these two paths:
  - Right-click on the My Computer icon → select Properties → Hardware tab → Device Manager
  - o From the Start Menu, select Control Panel → System → Hardware tab → Device Manager.
- 2. In Device Manager, click View on the main toolbar.
- 3. Select Show Hidden Devices to access the NetBIOS over TCP/IP setting.
- 4. Scroll down to Non-Plug and Play Drivers, and search for NetBIOS over TCP/IP.
- 5. Right click on NetBIOS over TCP/IP, and select Properties.
- 6. In the drop down box of the Device usage section (on the General tab), make sure **Use this device (enable)** is selected.



### 9.4.2 Checking NetBIOS over TCP/IP via the Command Prompt

The Command Prompt is yet another possible way to verify the NetBIOS over TCP/IP setting is enabled. If the setting is enabled in both TCP/IP Properties and the Device Manager, checking it via the Command Prompt will show whether or not the TCP/IP Protocol itself is bad.

- 1. From the command prompt, enter ipconfig/all.
- 2. If NetBIOS appears in the settings list marked as **Disabled** (*see below*), the TCP/IP protocol must be removed and reinstalled.

#### NOTE

If the TCP/IP protocol is working (and NetBIOS over TCP/IP is enabled), the NetBIOS will **NOT** appear in the settings list at all.

🖾 Command Prompt	×
IP Routing Enabled : No WINS Proxy Enabled : No DNS Suffix Search List : wc.ricoh.com us.ricoh.ds	
Ethernet adapter Local Area Connection:	
Connection-specific DNS Suffix . : savin.rfg.com Description : 3Com 3C920 Integrated Fast Ethernet Controller (3C905C-TX Compatible)	
Physical Address	
Autoconfiguration Enabled : Yes IP Address : 192.168.1.190 Subnet Mask : 255.255.255.0	
Default Gateway : 192.168.1.1 DHCP Server : 192.168.1.1	
NetBIOS over Tcpip Disabled Lease Obtained Thursday, December 15, 2005 3:34:58	
PM Lease Expires : Thursday, December 15, 2005 5:34:58 PM	
C:\Documents and Settings\kleins>	-

### 9.4.3 Deleting and Reinstalling the TCP/IP Protocol

This section covers the deletion and reinstallation of the TCP/IP Protocol. This is necessary if the situation covered in section 9.4.2 (*above*) occurs.

#### **IMPORTANT**

- Do **NOT** perform this procedure on a customer's PC. Contact the Network Administrator, and ask them to perform the TCP/IP delete and reinstall.
- Be sure to have the operating system CD available for reinstalling TCP/IP before starting this procedure.
- Record all TCP/IP settings and DNS information so they can be input TCP/IP has been reinstalled.
- TCP/IP cannot be uninstalled in Windows XP or Windows Server 2003. For information on resetting TCP/IP on these platforms, see section 9.4.4 (page 36).

- 1. From the Windows desktop, right-click on the My Network Places icon and select Properties.
- OR From the Windows start menu, follow this click path: Start → Settings → Control Panel → Network and Dial-up Connections (2000) or Network Connections (XP).
- 2. From the Connections screen, right-click on the appropriate network connection, and select **Properties**.
- 3. From the Connection's Properties screen, highlight Internet Protocol (TCP/IP).
- 4. Click Uninstall.
- 5. A reboot is required before installing TCP/IP.
- 6. Insert the operating system CD, and select Install  $\rightarrow$  Protocol  $\rightarrow$  Add  $\rightarrow$  TCP/IP
- 7. Reboot to finalize the installation.
- 8. To verify TCP/IP is installed and working properly, run the **ipconfig/all** command again (see section 9.4.2 (*page 35*) for instructions.
- 9. Note in the image below that NetBIOS over TCP/IP no longer appears. This means it is enabled and TCP/IP is running properly.

Command Prompt	ĸ
Primary DNS Suffix: Node Type: Broadcast IP Routing Enabled: No WINS Proxy Enabled: No DNS Suffix Search List: savin.rfg.com	]
Ethernet adapter Local Area Connection:	
Connection-specific DNS Suffix .: savin.rfg.com Description	
DHCP Server	
Lease Expires Thursday, December 15, 2005 5:55:05	
C:\Documents and Settings\kleins>	-

### 9.4.4 Resetting TCP/IP in XP or Server 2003

Internet Protocol (TCP/IP) is a essential component of both Windows XP and Server 2003, and therefore it cannot be uninstalled. However, if the NetBIOS over TCP/IP settings appears as disabled (as described in section 9.4.2 - page 35), resetting the TCP/IP to its original state is possible.

Resetting TCP/IP is performed using the **Netsh.exe** utility. To run Netsh.exe, and reset TCP/IP, follow the steps below.

- 1. From the Windows task bar, select **Start**  $\rightarrow$  **Run**.
- 2. In the Run dialogue box, type **cmd** (which will open the command prompt) and click **OK**.
- 3. At the command prompt, enter this command: netsh int ip reset [log\_file\_name]
  - Command syntax breakdown:
    - *int:* Shortened form of *Interface* command.
    - *[log\_file\_name]:* To reset TCP/IP via netsh, the reset results must be sent to a log file. Create a log file, or enter the existing log file name, and insert the name at the end of the command. The reset data will be sent to this file.
- 4. Type exit and press Enter to close the command prompt.

#### Reset Log

Below is an example of the log file generated via the **netsh int ip reset** command. The contents of the log file will vary based on the PC's configuration. However, if none of the original TCP/IP Registry keys were altered during the reset there will no actions recorded in the log.

```
SYSTEM\CurrentControlSet\Services\Dhcp\Parameters\Options\15\RegLocation
reset
             old REG MULTI SZ :
                 SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\?\DhcpDomain
                 SYSTEM\CurrentControlSet\Services\TcpIp\Parameters\DhcpDomain
        SYSTEM\CurrentControlSet\Services\Netbt\Parameters\Interfaces\Tcpip_{2DDD011E-B1B6-4886-87AC-B4E7269
added
added
        SYSTEM\CurrentControlSet\Services\Netbt\Parameters\Interfaces\Tcpip_{BAA9D128-54BB-43F6-8922-313D537
reset
        SYSTEM\CurrentControlSet\Services\Netbt\Parameters\Interfaces\Tcpip {BD2859BA-B26A-4E2B-A3FE-3D246F90
             old REG MULTI SZ =
                 10.1.1.2
deleted SYSTEM\CurrentControlSet\Services\Netbt\Parameters\EnableLmhosts
added SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\(2DDD011E-B1B6-4886-87AC-B4E72693D10C)
added SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\(2DDD011E-B1B6-4886-87AC-B4E72693D10C)
added SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\(2DDD011E-B1B6-4886-87AC-B4E72693D10C)
deleted SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{2DDD011E-B1B6-4886-87AC-B4E72693D10C}
reset SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{2DDD011E-B1B6-4886-87AC-B4E72693D10C}
            old REG DWORD = 0
                                       Amaria
                                                                     par martha
```

# 9.5 MFP Network Browsing Capability Test

After completing the TCP/IP reinstall covered in section 9.4.3 (*page 35*), the MFP should be able to find the shared folder by browsing the network.

Verify this by browsing to the network to find the PC containing the shared folder and logging in to access the folder (*for more information, see section* 5.2 - page 12).

## 9.6 Scan to Folder Problems in a Windows 2003 Server Environment

SMB Signing is enabled by default in Directory Services, but many third party SMB clients do not support it. Fortunately, as of October 2005 firmware is available for all GW MFPs. The firmware is either incorporated into the GW firmware, or available as a separate file download.

If the firmware is a separate file, it is necessary to complete a Custom Firmware Request form (see section 9.6.1)

#### **IMPORTANT**

- If the MFP does not support SMB signing, Scan to Folder is not possible on a 2003 Server.
  - o An error message reading "Can't Connect" will appear on the operation panel.

#### 9.6.1 SMB Signing Firmware Requests via TSC

The SMB Signing firmware is available via a Custom Firmware Request form located on the TSC Web site (<u>http://www.tscweb.net</u>). Follow the steps below to access the form and submit a firmware request.

- 1. Login to the TSC Website.
- 2. From the TSC home page, navigate to the product page via the links at the top of the screen.

TSCRICOH				1
Hello	ł	Home	<b>Education</b>	e-Sou!
Accessories Analog Color Copier D	ouplicators > eCabinet >	Fax Gel	Sprinter 🕨 Print	ers) Sca

- 3. On the product page, search for the header labeled **Custom Firmware** in the Firmware section.
- 4. Under this header, there should be a file named "bate\_stamp.zip." Click on the file name to open the Custom Firmware form.

Digital Copiers  Aficia 5485/5505/5685/5705	o 850/1050/1085/	1105 Savin 2085DP/2105DPP/258	5/25105 🕨 Gestetn
Print Controller Type	850 🕨 Print Con	troller Type EB105/E 🕨 A294/A29.	5 Enhancement No
Firmware			
File Name	File Size	File Description	Date
	TROUBLE	SHOOTING GUIDE	
Custom Firmware 🖌			
bate_stamp.zip	1.13MB	Bates Stamp	06/10/2004
Punch Unit	a ja ma	and a second and a second and a second and a second a se	and Areas



# **10** Scan to Folder in a Mac Environment

Depending on the OS version in use, SMB may or may not be supported. Below is a breakdown of which OS versions support Scan to Folder/SMB scanning.

OSX 10.2 or later: Support SMB Windows File Sharing.

Click the link below for instructions on enabling SMB Windows File Sharing:
 <a href="http://docs.info.apple.com/article.html?artnum=107083">http://docs.info.apple.com/article.html?artnum=107083</a>

OS levels previous to 10.2: Do NOT support SMB

• In these situations, use Scan to FTP.

# 11 Summary

The material covered in this White Paper should help answer many questions concerning Scan to Folder, such as the shared file setup, MFP configuration, and network settings.

This White Paper contains all of the setup information needed to enable, and use, the Scan to Folder function. It applies only to the machines listed in the Model Cross reference (*page 4*).