

Storage Sharing Application Guide

Contents

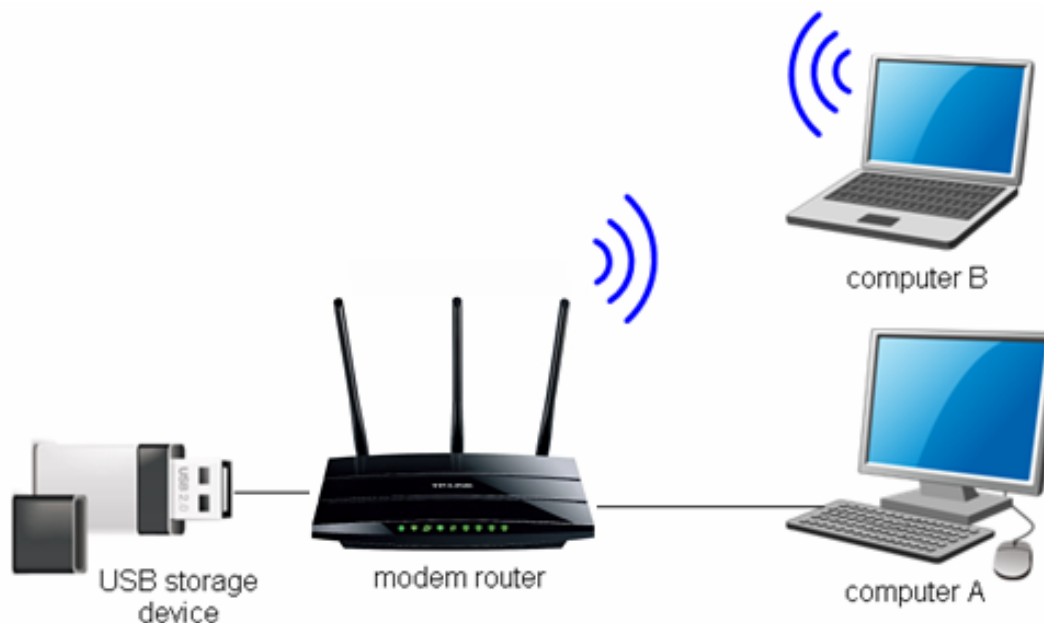
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Overview

The storage sharing feature allows you to share a USB storage device that's connected to the modem router, with other wired or wireless users in the same network.

Typical Topology

Here in this guide, we take the configuration procedures of TD-W8980 for example.



How to access shared folders

The modem router's Storage Sharing function is enabled by default, when the storage device is plugged into its USB port.

Please follow the steps to access the storage device.

- **For Windows Users:**

Windows XP:

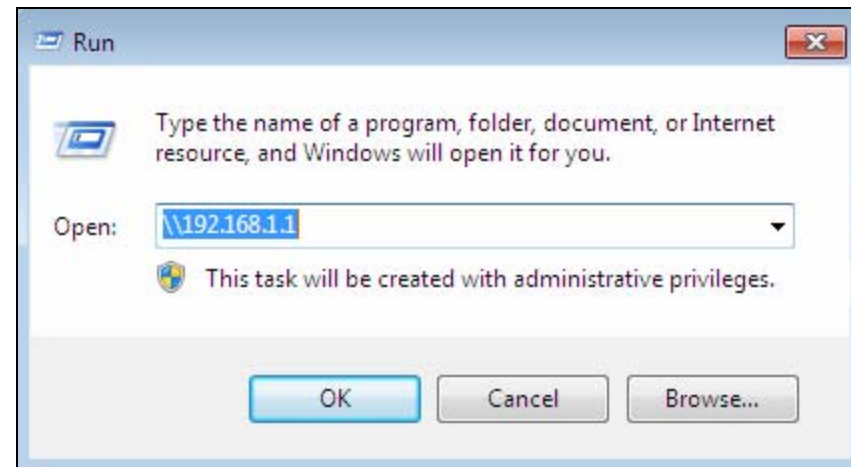
- Go to **Start -> Run**
- Input [\\192.168.1.1](#) in the dialog box
- Click **OK**

Windows Vista/7:

- Go to **Start**
- Type “**run**” in the search box
- Open the run application
- Input [\\192.168.1.1](#) in the dialog box
- Click **OK**

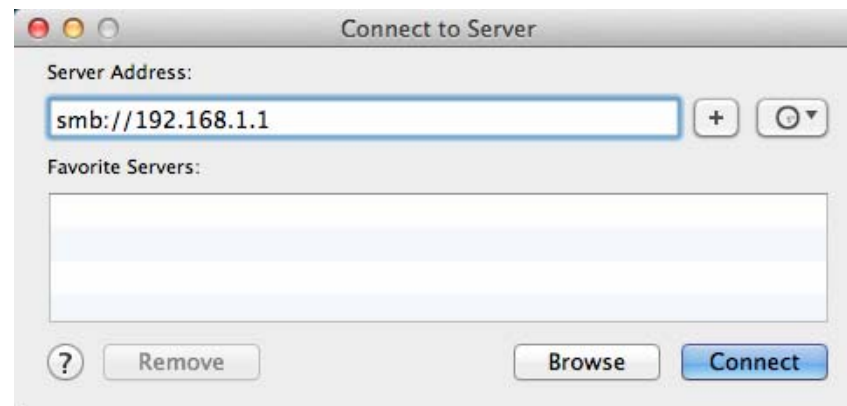
Windows 8:

- Move your mouse to the lower right corner and you will see **Search** icon  in the Popups. Click it and search **run**
- Open the run application
- Input [\\192.168.1.1](#) in the dialog box
- Click **OK**



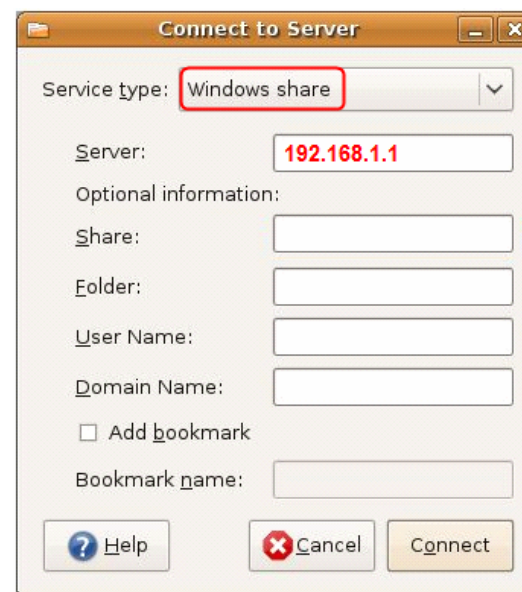
For Mac OS X Users:

- On the top tray, go to **Go -> Connect to Server**
- Input Server Address **smb://192.168.1.1**
- Click **Connect**



For Linux Users:

- On the top tray, go to **Places -> Connect to Server**
- Choose Service type **Windows share**
- Input Server **192.168.1.1**
- Click **Connect**



 Note:

- (1) Some USB storage devices may require using the external power.
- (2) To set up different accounts with their own access rights, please log into to the web-based management page and set it on USB Settings -> Storage Sharing and USB Settings -> User Accounts.

Now you have accessed the storage device, and you can read, edit, copy and delete the files in the storage device.

Extended Application

How to create a user account

Log onto the web-based management page, go to **USB Settings -> User Accounts** and follow the steps in the figure below.

User Accounts

This page allows you to configure user accounts for Storage Sharing/FTP Server. Please click Set button to make your configuration take effect.

Index	Username	Status	Action
1	admin*	Enabled	☒ Enable ☐ Disable
2	user1	Enabled	☒ Enable ☐ Disable Delete
3			
4			
5			

* : "Super User", It has full-access permission to all active volume(s) and shared folder(s).

1.Choose index from the drop-down list box

Choose Index: 2

2.Enter the information

New Username: user1

New Password:

Confirm password:

3.Click Set to make it take effect

Set

After step 3, the entry will be shown in the table

 Note:

- (1) User name “admin*” is a “Super User” with full-access permission. Its action that could access all active volumes and shared folders is enabled by default.
- (2) The default user name/password of the Super User is admin/admin.
- (3) To delete an existing user account, please click **Delete** in the **Action** column of user account table.

How to add a shared folder

Log onto the web-based management page, go to **USB Settings -> Storage Sharing** and follow the steps in the figures below.

Status
Quick Setup
Operation Mode
Network
DHCP Server
Wireless
USB Settings
USB Mass Storage
User Accounts
Storage Sharing
FTP Server
Media Server
Print Server
Route Settings
Forwarding
Parent Control
Firewall
IPv6 Firewall
IPv6 Tunnel
Bandwidth Control
IP & MAC Binding
Dynamic DNS

Storage Sharing Settings

Storage Sharing allows you to share the files on the USB storage device with other computers locally.

Server Status: Enabled **Disable**

1. Tick the box to disable this function → ☐ Anonymous access to all the volumes

Folder Table: (Any changes of this table will not take effect until you Apply it.)

	Share Name	Directory	User Access (F: Full-Access, R: Read-Only, N: No-Access)					Status	Edit
			1*	2	3	4	5		
☐	volume	/	F	-	-	-	-	Enabled	Edit

*: "Super User". It has full-access permission (Read & Write) to all active volume(s) and share folder(s).

Add New Folder **Enable Selected** **Disable Selected** **Delete Selected**

Apply

2. Click this button

Note:

- Storage Sharing function is based on NetBIOS/SMB protocol which is supported by most Windows operating system and some other operating systems.
- anonymous: All active volume(s) will be shared and authentication is not required.
- You will be able to access the folders with the following methods:

For Windows OS: Open "Run" window in the Start menu and enter \\(IP Address) or \\(IP Address)\(Share Name)
e.g. \\192.168.1.1 or \\192.168.1.1\photo;

For Mac OS: Open "Connect to Server" window in the Go menu and enter smb://(IP Address) or smb://(IP Address)\(Share Name)
e.g. smb://192.168.1.1 or smb://192.168.1.1/photo.

Folder Browse

This page allow you to set a shared folder and access authorization for Storage Sharing service! It will not take effect when Anonymous access been enabled.

Share Name:

tp-link

3. Type the Share Name in this field

Directory:

/

Browse

4. Click Browse button

User Access Control Table:

Index	User Name	Access Authorization
1*	admin	☒ Full-Access ☐ Read-Only ☐ No-Access
2		
3		
4		
5		

*: "Super User", It has full-access permission to all actived volume(s) and share folder(s).

Apply

Folder Browse

This page allows you to set a shared folder and access authorization for Storage Sharing service! It will not take effect when Anonymous access been enabled.

Share Name:

Directory:

Hide

Select Volume: ▼

5. Choose the storage device from the drop-down list box

The name of folders in the storage device can be shown here

/sda1/

[photo](#)
[tp-link](#)

6. Click the directory of folders to be shared

User Access Control Table:

Index	Username	Access Authorization
1*	admin	☒ Full-Access ☐ Read-Only ☐ No-Access
2		
3		
4		
5		

* : "Super User". It has full-access permission (Read & Write) to all active volume(s) and share folder(s).

Apply

7. Click Apply to make it take effect

Status	Storage Sharing Settings									
Quick Setup	Storage Sharing allows you to share the files on the USB storage device with other computers locally.									
Operation Mode	Server Status: Enabled Disable									
Network	☐ Anonymous access to all the volumes									
DHCP Server										
Wireless										
USB Settings										
USB Mass Storage										
User Accounts										
Storage Sharing										
FTP Server										
Media Server										
Print Server										
Route Settings										
Forwarding										
Parent Control										
Firewall										
IPv6 Firewall										
IPv6 Tunnel										
Bandwidth Control										
IP & MAC Binding										
Dynamic DNS										
Diagnostic										
System Tools										

Folder Table: (Any changes of this table will not take effect until you Apply it.)

☐	Share Name	Directory	User Access (F: Full-Access, R: Read-Only, N: No-Access)					Status	Edit
			1*	2	3	4	5		
☐	volume	/	F	-	-	-	-	Enabled	Edit
☐	tp-link	/tp-link	F	-	-	-	-	Enabled	Edit

*: "Super User". It has full-access permission (Read & Write) to all active volume(s) and share folder(s).

Note:

- Storage Sharing function is based on NetBIOS/SMB protocol which is supported by most Windows operating system and some other operating systems.
- anonymous: All active volume(s) will be shared and authentication is not required.
- You will be able to access the folders with the following methods:

For Windows OS: Open "Run" window in the Start menu and enter \\(IP Address) or \\(IP Address)\(Share Name)
e.g. \\192.168.1.1 or \\192.168.1.1\photo;

For Mac OS: Open "Connect to Server" window in the Go menu and enter smb://(IP Address) or smb://(IP Address)\(Share Name)
e.g. smb://192.168.1.1 or smb://192.168.1.1/photo.

➤ Set Access Authorization

There are three access authorization levels: full-access, read-only and no-access. The full-access user (i.e. super user) has full-access permission to add, delete and modify files in the storage device. The read-only user just has file-reading permission. And the no-access user is unable to access the storage device.

If you want to set access authorization for a user (eg. user1), please follow the steps illustrated in the figures below.

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IPv6 Firewall
IPv6 Tunnel
Bandwidth Control
IP & MAC Binding
Dynamic DNS
Diagnostic
System Tools

Storage Sharing Settings

Storage Sharing allows you to share the files on the USB storage device with other computers locally.

Server Status: Enabled

1. Tick the box to disable this function → ☐ Anonymous access to all the volumes

Folder Table: (Any changes of this table will not take effect until you Apply it.)

☐	Share Name	Directory	User Access (F: Full-Access, R: Read-Only, N: No-Access)					Status	Edit
			1*	2	3	4	5		
☐	volume	/	F	-	-	-	-	Enabled	Edit

*: "Super User". It has full-access permission (Read & Write) to all active volume(s) and share folder(s).

Note:

- Storage Sharing function is based on NetBIOS/SMB protocol which is supported by most Windows operating system and some other operating systems.
- anonymous: All active volume(s) will be shared and authentication is not required.
- You will be able to access the folders with the following methods:
 - For Windows OS:** Open "Run" window in the Start menu and enter \\(IP Address) or \\(IP Address)\(Share Name)
e.g. \\192.168.1.1 or \\192.168.1.1\photo;
 - For Mac OS:** Open "Connect to Server" window in the Go menu and enter smb://(IP Address) or smb://(IP Address)/(Share Name)
e.g. smb://192.168.1.1 or smb://192.168.1.1/photo.

Status	Folder Browse This page allow you to set a shared folder and access authorization for Storage Sharing service! It will not take effect when Anonymous access been enabled. Share Name: volume Directory: / Browse User Access Control Table: <table border="1"> <thead> <tr> <th>Index</th> <th>User Name</th> <th>Access Authorization</th> </tr> </thead> <tbody> <tr> <td>1*</td> <td>admin</td> <td>☒ Full-Access ☐ Read-Only ☐ No-Access</td> </tr> <tr> <td>2</td> <td>user1</td> <td>☐ Full-Access ☐ Read-Only ☒ No-Access</td> </tr> <tr> <td>3</td> <td>user2</td> <td>☐ Full-Access ☐ Read-Only ☒ No-Access</td> </tr> <tr> <td>4</td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> </tr> </tbody> </table> * : "Super User", It has full-access permission to all actived volume(s) and share folder(s). Apply	Index	User Name	Access Authorization	1*	admin	☒ Full-Access ☐ Read-Only ☐ No-Access	2	user1	☐ Full-Access ☐ Read-Only ☒ No-Access	3	user2	☐ Full-Access ☐ Read-Only ☒ No-Access	4			5		
Index		User Name	Access Authorization																
1*		admin	☒ Full-Access ☐ Read-Only ☐ No-Access																
2		user1	☐ Full-Access ☐ Read-Only ☒ No-Access																
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4																			
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Print Server																			
Route Settings																			
Forwarding																			
Parent Control																			
Firewall																			
Bandwidth Control																			

3. Here you can set access authorization for user1

4. Click Apply to save your settings

➤ Anonymous Access

If the shared files have no secrets for all users, then anonymous access can be enabled for convenience. After the anonymous access is enabled, all the users will be able to access the storage device without a user name and password.

Status	Storage Sharing Settings																																		
Quick Setup	Storage Sharing allows you to share the files on the USB storage device with other computers locally.																																		
Operation Mode	Server Status: Enabled Disable Tick this box to make anonymous access take effect → ☐ Anonymous access to all the volumes																																		
Network	Folder Table: (Any changes of this table will not take effect until you Apply it.) <table border="1"> <thead> <tr> <th rowspan="2">☐</th> <th rowspan="2">Share Name</th> <th rowspan="2">Directory</th> <th colspan="5">User Access (F: Full-Access, R: Read-Only, N: No-Access)</th> <th rowspan="2">Status</th> <th rowspan="2">Edit</th> </tr> <tr> <th>1*</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> </thead> <tbody> <tr> <td>☐</td> <td>volume</td> <td>/</td> <td>F</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>Enabled</td> <td>Edit</td> </tr> </tbody> </table>										☐	Share Name	Directory	User Access (F: Full-Access, R: Read-Only, N: No-Access)					Status	Edit	1*	2	3	4	5	☐	volume	/	F	-	-	-	-	Enabled	Edit
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			1*	2	3	4	5																												
☐	volume	/	F	-	-	-	-	Enabled	Edit																										
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Troubleshooting

1. What can I do if I do not find the storage device on the web-based management page?

Go to **USB Settings** -> **Storage Sharing**. Please click **Disable**, and then click **Enable**.

Storage Sharing Settings
Storage Sharing allows you to share the files on the USB storage device with other computers locally.
Server Status: Enabled Disable
☒ Anonymous access to all the volumes

Storage Sharing Settings
Storage Sharing allows you to share the files on the USB storage device with other computers locally.
Server Status: Disabled Enable
☒ Anonymous access to all the volumes

2. What can I do if I forget the password to access the storage device?

There are two ways to resolve this problem.

Method one:

Log onto the web-based management page, go to **USB Settings** -> **User Accounts** and follow the steps in the figure below.

User Accounts

This page allows you to configure user accounts for Storage Sharing/FTP Server. Please click Set button to make your configuration take effect.

Index	Username	Status	Action
1	admin*	Enabled	☒ Enable ☐ Disable
2	user1	Enabled	☒ Enable ☐ Disable Delete
3			
4			
5			

*: "Super User", It has full-access permission to all active volume(s) and shared folder(s).

Choose Index:

2

New Username:

user1

New Password:

•••••

Confirm password:

•••••

1.Create a new password here

Set

2.Click Set to save the settings

Method two:

Log onto the web-based management page, go to **USB Settings** -> **Storage Sharing**, and please tick the box according to the note in the following figure.

Status	Storage Sharing Settings																																		
Quick Setup	Storage Sharing allows you to share the files on the USB storage device with other computers locally.																																		
Operation Mode	Server Status: Enabled Disable Tick this box to make anonymous access take effect → ☐ Anonymous access to all the volumes																																		
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