# How to use firmware recovery function

## Introduction

#### Why do I need firmware recovery ?

The firmware recovery is used to solve the problem when somebody brick their TP-LINK product accidentally with Third-Part firmware, the firmware recovery module can help you save your router back with default firmware.

## **Preparation:**

1: The router have already been updated to the latest version before it became a brick.

2: Download the corresponding latest firmware in our website and remember where you saved it, because we need to rename it latter.

3: Download the **TFTPD32** exe which is a software you can search in the internet to your computer and open it.

4: Connect your computer to the router with Ethernet cable , then modify your computer 's IP address as :192.168.0.66/ mask 255.255.255.0 (Or 192.168.1.66 for the TL-WR842ND), you can refer to this link to see how to change the IP settings: <u>http://www.tp-link.com/en/article/?faqid=14</u>

You can get IP settings a this capability. Otherwise for the appropriate IP set	ssigned automatically if your network supports , you need to ask your network administrator ttings.
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Obtain an IP addres	s automatically
<ul> <li>Obtain an IP addres</li> <li>Ouse the following IP</li> </ul>	address:
<ul> <li>Obtain an IP addres</li> <li>Use the following IP</li> <li>IP address:</li> </ul>	address:

## Process

Notice

1. Make sure the firmware name are right.

2. Make sure you have located the right folder where the renamed firmware saved.

3. You may need to try several times to enable the firmware recovery mode.

Step 1: Enable the firmware recovery mode.

Power off the router, press the Reset button and then power up the router till the right-hand-most LED light up then you can release the Reset button (we set an example of the 941V9 was WPS LED), then you can see the **firmware version information** when you press the option of log viewer which meant you have made the firmware recovery mode enabled with success, you can see the log viewer information in the picture below.

If you cannot enable the firmware recovery mode means your router didn't support this function.

Current Directory	D:\TL-WB841N_V9_150104	•	Browse
Server Interrace	192.168.0.66	-	Show Dir
Tftp Server Tft	o Client   DHCP server   Syslog serv	er Log viewer	
Read request for OACK: <timeout= Using local port 5 &lt;<u>wr841nv9_tp_r</u> Connection rece Read request for OACK: <timeout= Using local port 5 <wr841nv9_tp_r Connection rece Read request for Connection rece Read request for Connection rece Read request for Connection rece Connection rece</wr841nv9_tp_r </timeout= </timeout= 	file       Kwr841nv9_tp_recovery.bin>       Mi         2.>       [10/02 08:51:43.515]       9318 [10/02 08:51:43.515]         9318       [10/02 08:51:43.515]       9318 blks, 406374         ved from 192.168.0.86 on port 1924       file <wr841nv9_tp_recovery.bin>. Mi         2.&gt;       [10/02 08:53:20.681]       5002 [10/02 08:53:20.681]         scovery.bin&gt;:       sent 7938 blks, 406374         ved from 192.168.0.86 on port 2456       file <wr841nv9_tp_recovery.bin>. Mi        </wr841nv9_tp_recovery.bin></wr841nv9_tp_recovery.bin>	de octet [10/02] 4 bytes in 8 s. 0 b 10/02 08:53:20.6 ide octet [10/02] 4 bytes in 8 s. 0 b 10/02 08:54:53.2 ide octet [10/02]	08:51:43.515] olk resent [10/02 08 581] 08:53:20.681] olk resent [10/02 08 283] 08:54:53.283]
About	Settings		Help

Step 2: Rename the filename as XXXXXX\_tp\_recovery.bin to the firmware you have already download.

Check the file name of the router you need to flash in the Log viewer, we set an example of 841V9 is **wr841nv9\_tp\_recovery.bin** which you can see within the red square line on above picture.

Compute	er  Local Disk (D:)  TL-WR841N_V9_150	104	🗸 🗲 Sear	ch TL-WR841N	V9_15010	14	Q
File Edit View Tools	Help						
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Documents	Current Direc	Current Directory D:\TL-WR841N_V9_150104			•		
J Music	Server interfa	ices 192.168.0.66	▼	Show [	Dir		
Pictures Videos	peer	file	start time progress	bytes			
🖳 Computer							
年 Network							

Step 3: Flash the recovery firmware.

Ensure you have renamed the filename and locate to the folder in the Current Direction where the firmware saved.



Then you need to enable the firmware recovery mode again after you have renamed the firmware and the firmware will flash to the router automatically, you can refer to the picture below:

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organize 🔻 Include	in library   Share with   New fold	er			
Favorites	Name	Date modified	Туре	Size	
E Desktop	wr841nv9 tp recovery.bin	1/3/2015 23:54 PM	BIN File	3.969 KB	
Downloads				11 <b>1</b> 000000	
🖳 Recent Places	Tftpd32 by Ph. Jounin		_ O X		
	<b>xp</b>				
Jibraries	Current Directory D:\TL-WR841N_	V9_150104	✓ Browse		
Documents	Server interface 192,168,0,108				
J Music	Tftp Server Tftp Client DHCP se	rver   Suslaa server   Laa viewe		1	
E Pictures	peer file	start time progress	s bytes		
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	( x x 241 x 2 to	recovery hin to 102	D		
📮 Computer	( WI0411V3_th_				
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Wait for several minute till the LED of the router light up normally. Then the router have been flashed with the firmware recovery.