

How to setup WDS by two TOTOLINK routers?

It is suitable for: N150RA, N300R Plus, N300RA, N300RB, N300RG, N301RA, N302R Plus, N303RB, N303RBU, N303RT Plus, N500RD, N500RDG, N505RDU, N600RD, A1004, A2004NS, A5004NS, A6004NS

Application:

WDS (Wireless Distribution System) provides bridge traffic between two LANs though the air and extends the coverage range of a WLAN.

Notice:

Both routers must have the same channel set. Both routers must be set to the same band 2.4G or 5G.This article takes 2.4G as an example.

The first router

STEP-1: Connect your computer to the router

- 1-1. Connect your computer to the router by cable or wireless, then login the router by entering http://192.168.1.1 into the address bar of your browser.
 - → C (③ 192.168.1.1

Note: The default IP address of TOTOLINK router is 192.168.1.1, the default Subnet Mask is 255.255.255.0. If you can't log in, Please restore factory settings.

1-2. Please click Setup Tool icon

to enter the router's setting interface.



1-3. Please login to the Web Setup interface (the default user name and password is admin).



User Name:	admin	
Password:	****	

STEP-2:

Click Advanced Setup->Wireless->Wireless Setup on the navigation bar on the left.



STEP-3:

Enter the information show below and then click Apply button for saving modification.

- -- SSID: Network name (avoid setting the same name with each other)
- -- Channel: Select by your environment (e.g. 11)
- -- Encryption: WPA-PSK/WPA2-PSK+AES
- -- Encryption key: Type in eight to sixty-three letters(a^{2}) or numbers (0^{9})

2.4GHz Wireless Setup								
Operation SSID	Start Stop TOTOLINK A2004NS		SSID Broadcast					
Channel	11 [2.462 GHz,Upper]	•	Channel Search					
Encryption	WPAPSK/WPA2PSK + AES	۲	Use Enterprise(802.1x)					
Encryption key			Unhide					
			Apply					

STEP-4:

Click Advanced setup->Wireless->WDS Setup, then click [AP Scan] to choose SSID of Secondary Router.

Advanced Setup	值 2.4GHz WDS Setup	🛾 AP Scan
Wireless(2.4GHz)		
Wireless Status		
Wireless Setup		
Multiple BSS		
Wireless Scheduler		
Wireless Multibridge		
MAC Authentication		
WDS Setup		
WF3 Setup		
Advanced Setup		
 Wireless(5GHz) 	Click [AP Scan] to search APs.	
+ 🔚 NAT/Routing		
 Experimental 		



The second router

STEP-1:

Connect your computer to the second router, the first step is the same as the first router.

STEP-2:

Click Advanced setup->Wireless->WDS Setup on the left.



STEP-3:

Click [AP Scan] and find the SSID of the first router, and then click Add button. The AP's information will be displayed next as the picture show.

值 2	.4GHz WDS Setup	1 🖪 AP Scan
ŝ	TOTOLINK A2004NS (78-44-76-85-59-EC) Wireless network with security (WPA2)	Channel 11 100 %
ŵ	TOTOLINK_A950RG (F4-28-53-00-01-80) Wireless network with security (WPA2)	Channel 2 100 %
$\widehat{\mathbf{\cdot}}$	TOTOLINK_T10 (F4-28-53-C0-A1-3C) ■ Wireless network with security (WPA2)	Channel 11 56 %
(:	TOTOLINK_T10 (F4-28-53-C0-A1-34) Wireless network with security (WPA2)	Channel 11 100 %
$\widehat{\cdot}$	TOTOLINK_T1000 (F4-28-53-C0-A1-2C) Wireless network with security (WPA2)	Channel 11 40 %
Add	New WDS	
AP's Desc	BSSID 78 44 76 85 59 EC ription TOTOLINK A2004NS	
		3 Add

STEP-4:

Enter Wireless Setup interface. Enter the SSID different from the first router, and the same channels encryption type and password with the first router.

Encryption key			Unhide		
Encryption	WPAPSK/WPA2PSK + AES	•	Use Enterprise(802.1x)		
Channel	11 [2.462 GHz,Upper]	•	Channel Search		
SSID	TOTOLINK A2004NS-2		SSID Broadcast		
Operation	Start				

STEP-5:

Click Advanced Setup->Network->LAN/DHCP Server on the navigation bar on the left.



STEP-6:

Skip to step 9 if the router is in the same LAN with Primary Router but different IP Address.

6-1. Change the LAN IP to 192.168.1.X(X must be different from the first one),

and then click Apply& Restart button. 6-2. Login the router's setting interface again.

LAN/DHCP Server							
LAN IP Setup							
LAN IP	192	. 168	. 1	.245			
Subnet Mask	255	. 255	. 255	. 0			
LAN Gateway LAN DNS			•			Apply & R	estart

6-2. Login the router's setting interface again.

STEP-7:

Stop DHCP Service in the LAN/DHCP setup interface by selecting stop as the image show.

