

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

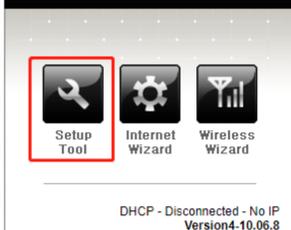
STEP-1: Connect your computer to the router

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.

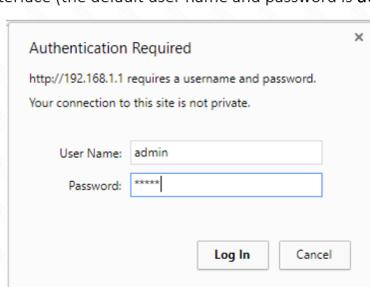


Note: The default IP address of TOTOLINK router is 192.168.1.1, the default Subnet Mask is 255.255.255.0. If you can't log in, Please restore factory settings.

1-2. Please click **Setup Tool** icon  to enter the router's setting interface.

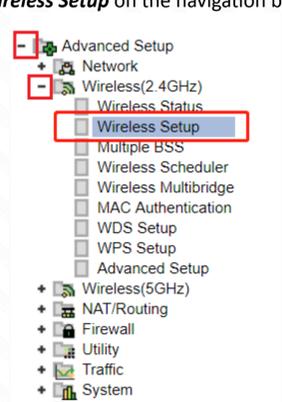


1-3. Please login to the Web Setup interface (the default user name and password is **admin**).



STEP-2:

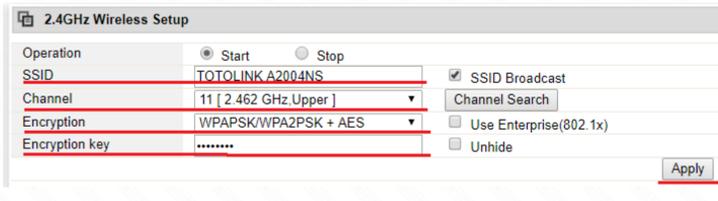
Click **Advanced Setup->Wireless->Wireless Setup** on the navigation bar on the left.



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~z) or numbers (0~9)



STEP-4:

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



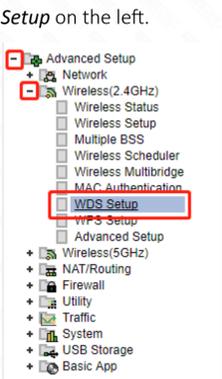
The second router

STEP-1:

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

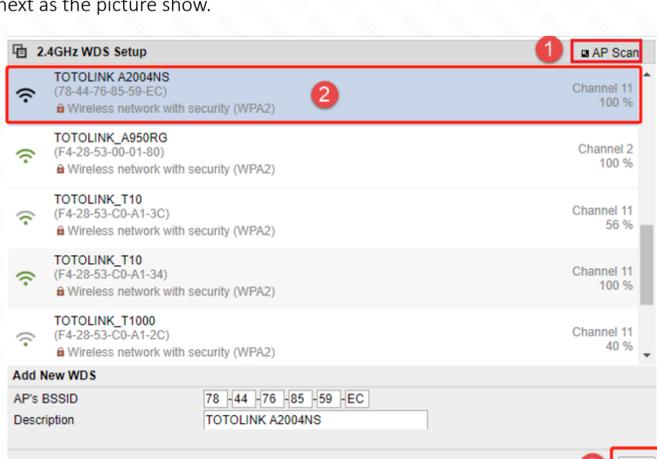
STEP-2:

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



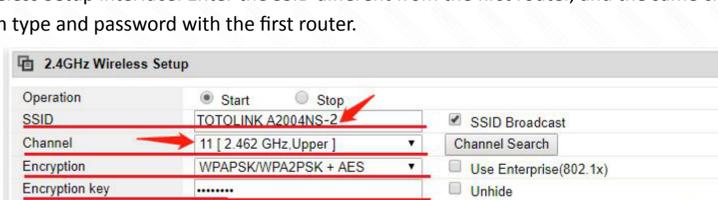
STEP-3:

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.



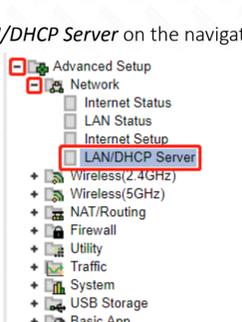
STEP-4:

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



STEP-5:

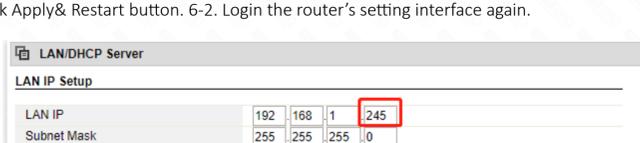
Click **Advanced Setup->Network->LAN/DHCP Server** on the navigation bar on the left.



STEP-6:

Skip to step 9 if the router is in the same WPA2 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.



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.

