Set Up the ReadyNet WRT300N-D6 as a Repeater

You can use one or more WRT300N-D6 routers as repeaters with a WRT300N-D6 router as the base. Just follow these simple instructions.

Base Router
Power up the router you will use as the base station (Base Router). It will be connected to your Internet access point. Connect it to the Internet and make sure it can access and surf the Internet.

Repeater Router
    Log into the User Interface
1) Power up the WRT300N-D6 you want to set up as a repeater (Repeater Router). Connect it to your PC or MAC by plugging an Ethernet cable into one of the LAN (yellow-colored) ports on the back of the router and into the Ethernet port on your computer.
2) Log into the user interface of the Repeater Router by typing '192.168.11.1' into the URL address field in your computer's Internet browser. A login box will appear. The User ID is 'admin' and the password is 'pz938qd6'.

    Change Repeater's IP Address
3) Click on Setup -> Local Network. Change the IP address from 192.168.11.1 to 192.168.11.222 as indicated in Figure 1.
4) Click 'Apply Changes'.
5) Click 'OK' on the popup window.
6) Wait about 40 seconds and then click the link on the page.

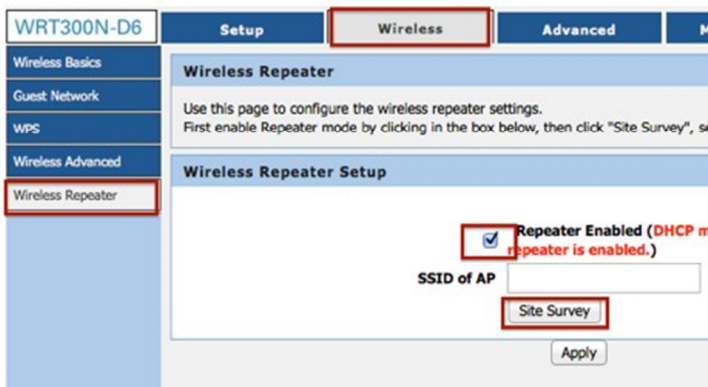Figure 1

    Enable Repeater Function
7) Click Wireless -> Wireless Repeater. Then check the 'Repeater Enabled' checkbox and click 'Site Survey' as indicated in Figure 2.
8) Click "OK' on the popup window.
9) Click "OK' on the second popup window.

Figure 2

10) You will now see the results of the wireless site survey as shown in Figure 3. Click the 'Select' checkbox corresponding to the Base Router and click 'Next'.

#	SSID	MAC Address	Channel	Signal	Security	Select
1	WRT300N-D6	00:01:9f:17:06:ea	3	100%	WPA-PSK(AES)/WPA2-PSK(AES)	●
2	HOME-4A97	8c:04:ff:ed:4a:97	1	100%	WPA-PSK(AES/TKIP)/WPA2-PSK(AES/TKIP)	○
3	WRT300N-DX	00:0c:43:76:20:48	1	100%	WPA-PSK(AES/TKIP)/WPA2-PSK(AES/TKIP)	○

Click "Next" to Continue repeater settings
[Next]

Figure 3

11) Select the Encryption and Pre-Shared Key of the Base Router and click 'Apply'. The default settings for the WRT300N-D6 are shown in Figure 4.

Figure 4

12) Navigate to 'Status' -> 'Device Info' and wait for the 'Repeater Status' to say "Connected" as indicated in Figure 5. Click 'Refresh' at the bottom of the page or wait 1 minute for the page to reload automatically. 'DHCP Server' should be disabled as indicated in Figure 5. If not, navigate to 'Setup' -> 'Local Network' and select 'None' in 'DHCP Mode' under 'DHCP Server Settings' and click 'Apply'.

LAN Configuration

IP Address	192.168.11.222
Subnet Mask	255.255.255.0
DHCP Server	Disable
MAC Address	00:05:1D:03:04:05

Wi-Fi Configuration

Wireless	Enabled
Mode	AP
SSID	WRT300N-D6-r1
Encryption	WPA/WPA2 Mixed
Channel	2
Broadcast SSID	Enabled
WPS	Disabled
Repeater Status	Connected

Figure 5

13) Once, the 'Repeater Status' field says connected, renew the IP address of the PC or MAC you are using (or restart the PC or MAC) so that it will get its IP address from the Base Router and update its Gateway address.

14) Check that you can access the Internet after renewing your IP address. If you can access the Internet, the Repeater Router has been successfully set up.

If you want to change the SSID of the Repeater Router so it is different from that of the Base Repeater, navigate to 'Wireless' -> 'Wireless Basics'. Change the SSID and click 'Apply'.

Move the Repeater Router to its new location, connect wirelessly to the Repeater Router and test wireless Internet connectivity.