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Setting up TP-Link Archer C2 Router as a Repeater

How to run TP-Link Archer C2 AC750 Wireless Dual Band Gigabit Router in Repeater mode



Since the introduction of a new router to our home premises the previous one was lying around unused - it is TP-Link Archer C2 AG750 Wireless Dual Band Gigabit Router. I changed it to run as a Repeater, 1502 that in care streingthere WiFi signal to the weak spots; Here is a note on how to do that.

TLDR: Since Archer C2 was running as a router earlier, I did a factory reset first. Then configured it in bridge mode connecting to the existing WiFi network and disabled DHCP mode.



Archer C2 AC750 Router

Steps to configure Archer C2 to run as a Repeater

1. Hard reset router to factory default settings

Click on **WPS/Reset** button for about 10 seconds until the top panel LEDs flash. Then release the button and wait the for the router to reboot.



WPS/Reset Button

2. Access Router's web interface

Once the router reboots you would be able to see C2's network (TP-LINK_XXXX format) in wireless networks list. SSID of the network along with Password/PIN is printed on the bottom panel of the router. Establish a connection with the new network and login to http://tplinkwifi.net with admin:admin as credentials.



Default Network Configuration

3. Change IP address in LAN settings

From Network > LAN > LAN Settings, change IP Address from 192.168.0.1 to 192.168.0.2. It does a router auto reboot on save.

Assuming the network you want to connect to has IP address range 192.168.0.x, so this IP address value can take x ranging from 2–254. Make sure this IP doesn't collide with existing manual DHCP list in your router settings

After reboot, the TP-Link admin panel would be available at http://192.168.0.2

4. Enable WDS bridging

WDS (Wireless Distribution System) is a system that enables the wireless interconnection of access points in a wireless network. Navigate to Wireless 2.4GHz > Basic Settings and check enable WDS, this will display more settings below the option.

TP-LINK [®]			AC750 Wireless Dual Band Gigabit Router Model No. Archer C2
Status Quick Setup	Wireless Settings(2.4GHz)		Channel - This field determines which operating frequency will be used. It is not necessary to change the wireless channel unless you notice interference problems with another nearby access point. If you select auto, then AP will choose the best channel automatically.
Network Dual Band Selection	Wireless Network Name:	TP-LINK_1234 (Also called SSID)	Enable SSID Broadcast - If you select the Enable SSID Broadcast checkbox, the wireless router will broadcast its name (SSID) on the air.
Wireless 2.4GHz	Mode: Channel:	(11bgn mixed +) Auto +)	Enable WDS - You can select this to enable WDS Bridging, with this function, the Router can bridge two or more Wlans. NOTE: If this checkbox is selected, you had better make sure the following settings are correct.
- WPS	Channel Width:	Auto ÷	SSID(to be bridged) - The SSID of the AP your Router is going to connect to as a client. You can also use the scan function to select the SSID to join.
- Wireless Security - Wireless MAC Filtering		Enable WDS	MAC Address(to be bridged) - The MAC Address of the AP your Router is going to connect to as a client. You can also use the scan function to select the MAC Address to lion.
- Wireless Advanced - Wireless Statistics	SSID(to be bridged): MAC Address(to be bridged):	e.g. 00:1D:0F:11:22:33	Scan - Click this button, you can search the AP which runs in the current channel.
Wireless 5GHz Guest Network	Кеу Туре:	Scan WPA2-PSK ÷	Key type - This option should be chosen according to the AP's security configuration.It is recommended that the security type is the same as your AP's consult is then is recommended.
DHCP USB Settings	WEP Index: Authentication Type:	1 \$ Open System \$	WEP Index - This option should be chosen if the key type is WEP(ASCII) or WEP(HEX).It indicates the index of the WEP key.
NAT Forwarding	Encryption: Password:	(AES ‡)	Authentication Type - This option should be chosen if the key type is WEP(ASCII) or WEP(HEX).It indicates the authorization type of the Root AP.
Security			Encryption - Please select encryption type base on the source AP.
Parental Controls		Save	Password - If the AP your Router is going to connect needs password, you need to fill the password in this blank
Access Control			to ili ule passivoru il ulis blank.

Archer C2 Web Interface - Enable WDS

Clicking on scan button will list APs within the area. Connect to your router's network which would autofill WDS SSID & MAC address; set the Channel to be same as the chosen WiFi network and also enter the Password. (Repeat the same process for Wireless 5GHz as well)

5. Disable DHCP

Go to the page DHCP > DHCP Settings and select disable for DHCP Server.

(Optionally, You can also change repeater's SSID:password to be same as the router's WiFi)

That's all! Archer C2 has been switched from router to repeater mode 📶

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