Using Your Router As A Wireless Repeater



For reference, the Archer router will be the one acting as the repeater. The main router is your existing router or ISP router etc.

1. Factory default the Archer router by holding the reset button for 15 seconds then release. Leave the Archer router in the same room of the main router.

2. Now you need to know the IP addressing subnet of your main router. For example, if you connect to your main router and you get an IP of 192.168.0.100, then the Archer router will be getting an IP of 192.168.0.250. It does not need to be .250, you can choose any number if it is not within your DHCP pool.

3. Use a computer where you can use an Ethernet cable to connect to one of the LAN ports of the Archer router and log into it. No other Ethernet cable needs to be connected, just the one from your computer.

4. Set the IP address of the Archer router. In the example below I am assuming my main router gives an IP of 192.168.0.x, select Save. You will probably get disconnected if so log back in with the new IP address given to the Archer router.

Ptp-link	Quick Setup	Basic	Advanced		English	👻 💽	⇒ <mark>i≮</mark> Reboot
- Status	LAN						0
🐴 Network	MAC Address:	30-1	85-C2-57-22-41				
- Internet	IP Address:	19	92.168.0.250				
- LAN - IPTV	Subnet Mask:	2.	33.233.233.0	*		Save	

5. Set up the WDS bridging which will connect the Archer router to the main router. Select the survey button and choose the network you want to connect to. You can only connect to either the 2.4GHz or the 5GHz. After you choose the network, enter the wireless password that you would normally use to connect to that wireless network. Say for example a visitor came over and wanted to connect to that same network, whichever wireless password you would use is what you enter there. Make sure to select the save button when you are done.

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Ptp-link	Quick Setup Basic	Advanced	Eng
NAT Forwarding	2.4GHz Wireless		
💋 USB Settings	Beacon Interval:	100	(40-1000)
😍 Parental Controls	RTS Threshold: DTIM Interval:	2346	(1-2346) (1-15)
î↓ QoS	Group Key Update Period:	0	seconds
Security	WMM Feature:	Enable WMM Enable Short GI	
P IPv6	AP Isolation Feature:	Enable AP Isola	tion
System Tools	WDS Bridging:	Enable WDS Bri	dging
- Time Settings	SSID (to be bridged): MAC Address (to be bridged):		Example: 00-1D-0
 Diagnostics Firmware Upgrade 	Security:	No Security	○ WPA-PSK/WPA2-PSK ○
- Backup & Restore			
- Administration	5GHz Wireless		
– System Log	Beacon Interval:	100	(40-1000)
- Traffic Statistics	RTS Threshold:	2346	(1-2346)
- System Parameters	DTIM Interval:	1	(1-15)

Survey

AP Number: 50

AP Number: 50 O Refresh						
ID	SSID	MAC Address	Signal	Channel	Security	Operation
1	TP_LINK_8899	C4-04-15-5B-D2-F1	28	13	PSK	Choose
2	TP- LINK_2.4GHz_84671 9	10-FE-ED-84-67-19	26	6	PSK	Choose
3	乐2	CA-25-E1-A5-E3-B0	25	8	PSK	Choose
4	TP-LINK_7B00	00-0A-EB-13-7A-FF	24	11	No Security	Choose
5		06-1D-0F-11-22-92	24	7	PSK	Choose

2025/06/25 15:19	3/3			Using Your Ro	uter As A Wireles	ss Repeater
WDS Bridging:		Enable WDS Bridging				
SSID (to be br	idged):	TP_LINK_8899	Survey			
MAC Address ((to be bridged):	C4-04-15-5B-D2-F1	Example: 00-1	ID-0F-11-22-33		
Security:		O No Security 💿 WPA	-PSK/WPA2-PSK	⊖ WEP		
Password:		1111111				
					Save	

6. Disable the DHCP server and save it.

	Quick Setup Basic	Advanced	English	✓ Logot	it Re
- 小 Status	Settings				C
🔥 Network	DHCP Server:	Enable DHCP Server			
- Internet	IP Address Pool:	192.168.0.100	- 192.168.0.199		
- LAN	Address Lease Time:	120 minutes.	(1-2880. The default value is 120.)		
- IPTV	Default Gateway:	192.168.0.1	(Optional)		
- DHCP Server	Primary DNS:		(Optional)		
- Dynamic DNS	Secondary DNS:		(Optional)		
- Advanced Routing				Save	

7. Reboot the router either by selecting the reboot on the top right or pressing the power button behind the router and turning it back on.

Source: https://community.tp-link.com/us/home/kb/detail/396

