TL-WR802N N300 Nano Wireless N Router

This tech note describes how to setup the TP link Wi-Fi access point and connect it with the Rapidlogger System. This will allow you to wirelessly communicate between your Rapidlogger System and computer.



Equipment needed:

TL-WR802N N300 Nano Wireless N Router

- 1 Ethernet cords
- 1 5V power supply

Standard Setup (Rapidlogger is Access point)

Connecting the AP (Access Point)

- 1. Connect the Nano Router with its 5V supply.
- 2. Using WIFI connectivity connected the Nano Router with a Computer.
- 3. Use the pin number written on the box to make connection with the SSID shown on the Router box.
- 4. Open browser and connect by 192.168.0.1





- 5. Use admin as ID and password to enter setup.
- 6. Go to System tools and Upload file (Choose file) TP_Link_RapidloggerWR802NCon13Nov2019 in the Configuration file, press restore.

Status	
Quick Setup	
Operation Mode	Backup & Restore
Network	
Wireless	Backup
DHCP	·
System Tools	You can restore a previously saved configuration bin file.
- Time Settings	Configuration File: Choose File No file chosen Restore
- Diagnostic	
- SNMP Settings	
- Ping WatchDog	
- Firmware Upgrade	
- Factory Defaults	
- Backup & Restore	
- Reboot	
- Password	
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7. Once the configuration file is successfully uploaded the browser takes you to homepage of router.

Setup as Client (Rapidlogger connects to external WiFi AP)

Connecting the AP (Access Point)

- 1. Connect the Nano Router with its 5V supply.
- 2. Using WIFI connectivity connected the Nano Router with a Computer.
- 3. Log in to the Router using password "Admin"



4. In the next screen use click on the Quick Setup menu item

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	TP-Link Wireless N Nano F Model No. TL-WR802N	Router WR802
Status		
Quick Setup		
Operation Mode	Status	
Network		
Wireless	Firmware Ve	rsion: 0.9.1 3.17 v0
Guest Network	Hardware Ve	rsion: TL-WR802N
DHCP		
System Tools	LAN	
Logout		
	MAC Add	Iress: 14:EB:B6:3E
	IP Add	Iress: 192.168.0.1

5. Click on Next

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	TP-Link Wireless N Nano Router WR802N Model No. TL-WR802N					
Status						
Quick Setup						
Operation Mode	Quick Setup - Start					
Network						
Wireless	Bun the Quick Sature to manually configure your internet connection and wireless sett					
Guest Network	Run the Quick Setup to manually configure your internet connection and wireless setu To continue, please click the Next button. To exit, please click the Exit button.					
DHCP						
System Tools						
Logout						
	Exit Next					

6. Next select the "Client" Option



7. This will result in a list of available networks being displayed.

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ık	T	'P-Link Wir Iodel No. TL-V	eless vr8021	N Na N	no Ro	outer Wi	R802N								
	A 	P List	APs are	as follow:	s										
		AP numbers:	18	Refr	esh										
	ID	BSSID			\$5	SID	5	ignal streng	yth C	hannel	End	ryptior	ı	Conne	ct
	1	14:91:82:30:0	7:0C		AAAC I	Network		84		9	WPA2	-PSK/A	ES	Conne	ct
	2	3C:82:C0:32:E	3F:87		Court	stone		70		11	WPA2	-PSK/A	ES	Conne	ct
	3	3C:9A:77:25:2	27:94		CBCI-2	2790aa		67		1	WPA2	-PSK/A	ES	Conne	ct
	4	54:AF:97:FF:6	66:25					66		1	WPA2	-PSK/A	ES	Conne	ct
		A 4:40:4E:4A:5	70·D0		Court			64				DOLUM		_	

8. Connect to the network you want to use and enter its password.

0	TP-Link Wireless N Nano Rout	ter WR802N	
	Model No. TL-WR802N		
Status			
Quick Setup			
Operation Mode	Quick Setup - Wireless		
Network			
Wireless			
Guest Network	SSID(to be bridged):	Network14	-
DHCP	MAC Address(to be bridged):	14:91:82:30:07:0C	e.g. 00:1D:0
System Tools		Scan	
Logout	Key Type:	WPA2-PSK 🗸	
	Encryption:	AES 🗸	
	Password:		

- 9. Select "SmartIP" or "DHCP" and enable the DHCP server. This will now allow the Rapidlogger to connect to the TL-WR802N via the ethernet cable and make a connection with your company's WiFi Accesspoint.
- 10. Do note that you must set a fixed IP address for the Rapidlogger on your company's WiFi Access-point OR alternately block out a range of IP addresses for the Rapidlogger to use.
- 11. If your company's WiFi Access point does not use the IP address range of "192.168.0.XXX" then you will also need to change the IP address of the Rapidlogger Unit from its front panel or the Rapidlogger Netburner IPSetup utility to match the IP address range of the WiFi Accesspoint.

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Ptp-link	TP-Link Wireless N Nano Rout Model No. TL-WR802N	ter WR802N
Status		
Quick Setup		
Operation Mode	Quick Setup - Network Setting	
Network		
Wireless	LAN Type:	Smart IP(DHCP) ¥
Guest Network		Note: The IP parameters cannot be configu
DHCP		Smart IP(DHCP)
System Tools		(In this situation the device will help you con
Logout		automatically as you need).
	IP Address:	192.168.0.1
	Subnet Mask:	255.255.255.0
		We recommend you configure this AP with t subnet mask, but different IP address from

12. Click next to complete the setup and then click finish on the next page.

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	TP-Link Wireless N Nano Router WR802N Model No. TL-WR802N				
Status					
Quick Setup					
Operation Mode	Quick Setup - Review Setting				
Network					
Wireless	Congratulations! The settings is finish, please click finish buttor				
Guest Network	detailed settings, please click other menus if necessary.				
DHCP					
System Tools	Confirm the configuration you have set. If anything wrong please go Back to re-				
Logout	It's recommented to take a note of these settings that you'll need later for refere				
	Wireless Settings				
	Operation Mode: Client				
	Wireless Channel: 9				
	Name(SSID) of Root AP: AAAC Network				
	Wireless Security Mode: WPA2-PSK				
	Wireless Password: aaacnetwork1				
	LAN Settings				
	Default Access: http://tplinkwifi.net				
	LAN Type: Static IP				
	IP Address: 192.168.0.1				
	Back Finish				

13. The Mini router will now reboot and change modes to a client settings. Once this is complete please restart the Rapidlogger and the TL-WR802N to ensure that all setting have been saved and the connection works.