



NEXXT SOLUTIONS NBL301P NebulaN301 Wireless-N Router Installation Guide

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NEXXT SOLUTIONS NBL301P NebulaN301 Wireless-N Router



Thank you for purchasing the new Nebula 301 + wireless-N router from Nexxt Solutions®. If any of the following items are mismatched, missing or damaged, please contact the merchant from whom you purchased the unit for immediate replacement.

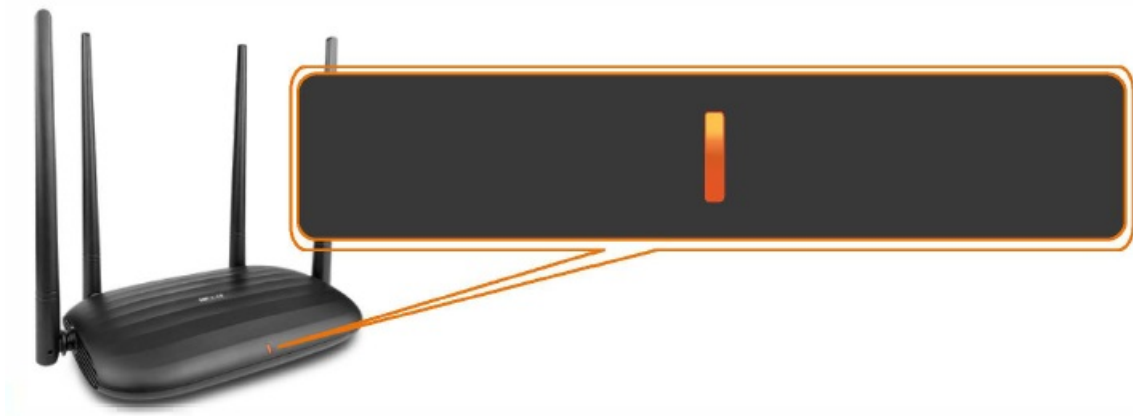
- Wireless-N router
- 100/240V power adapter
- Network cable
- Quick setup guide

Preliminary steps

This advanced network device works as a router, wireless AP, WISP client and universal repeater. Before setting up the router, you must verify that you have high-speed internet access available. The most widely used connection nowadays is broad SL or cable. The description used in this guide is based on that type of connection.

Front panel

The LED indicator on the front panel provides information about network activity, the connection and link status of the ports in real time. They also facilitate activity monitoring and troubleshooting the performance of the device.



LED indicator	Description
Solid	The router is starting up or is already successfully connected to the internet
Blinks slowly	The router fails to connect to the internet
Blinks quickly	When clients are either connected or disconnected to any of the LAN ports, the LED will blink quickly for 3 seconds before changing to solid

Back panel

The rear panel provides the physical connectors for power and the client network devices.



1. **Antennas:** Four high-gain 5dBi omnidirectional antennas.

- **WAN port:** This RJ45 port is where you will connect the fiber/cable/DSL modem, or ethernet cable from your ISP. LAN ports (1/2/3): Connect 10/1 Mbps ethernet devices such as computers, switches, and hubs to any of these RJ45 ports.

2. **Wi-Fi button:** Push it for 1 to 3 seconds to enable or disable the wireless network of the router.

WPS/Reset:

- Press this button for about one second to enable WPS encryption. Within two seconds, enable the WPS feature on the client device to establish a connection.
- Press this button for about eight seconds to restore the device to its factory default settings. The LED indicator will blink quickly.

3. **Wi-Fi button:**

- Push it for 1 to 3 seconds to enable or disable the wireless network of the router.

4. WPS/Reset:

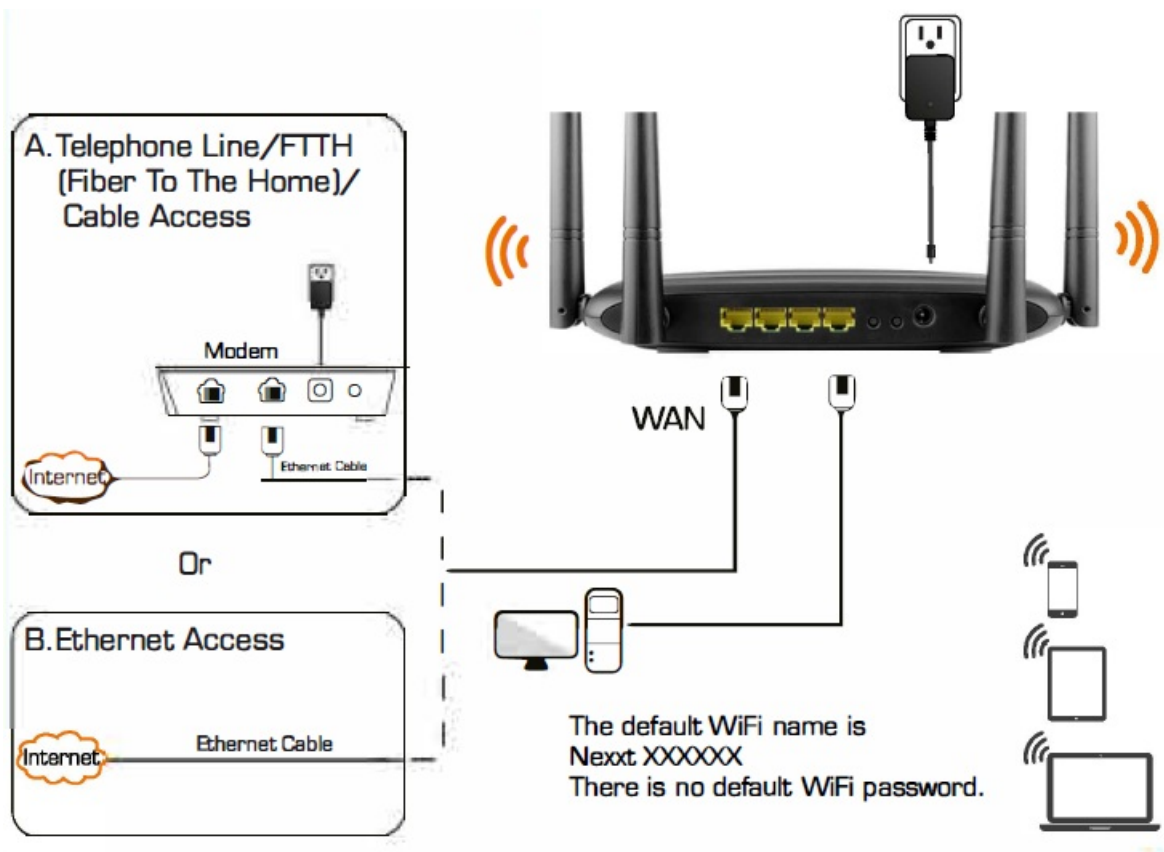
- Press this button for about one second to enable WPS encryption. Within two seconds, enable the WPS feature on the client device to establish a connection.
- Press this button for about eight seconds to restore the device to its factory default settings. The LED indicator will blink quickly.

5. Power:

- Connect the supplied power adapter to this jack.

Hardware installation

1. Power off your PC, modem and the router.
2. Find the optimum location for the router. The best place is usually at the center of your wireless network with the antennas in the upright position. Connect one end of the supplied power adapter to the AC input jack located on the rear panel of the router, before plugging the other end to a standard electrical wall outlet.
3. Connect your network devices to the LAN ports of the router. Then using an ethernet cable, connect your modem to the WAN port in order to gain internet access.
4. Finally, power on the router, your PC and modem.



Router configuration

1. Log into the router by accessing the web base utility. To do so, in the browser's address field enter the default address <http://192.168.0.1>
Note: To access the router wirelessly, look for the SSID, Nexxt_XXXXXX (whereby X represents the last 6 numbers of the MAC address).
2. In this stage, the wireless router web interface will come up. The system will then prompt you to enter the

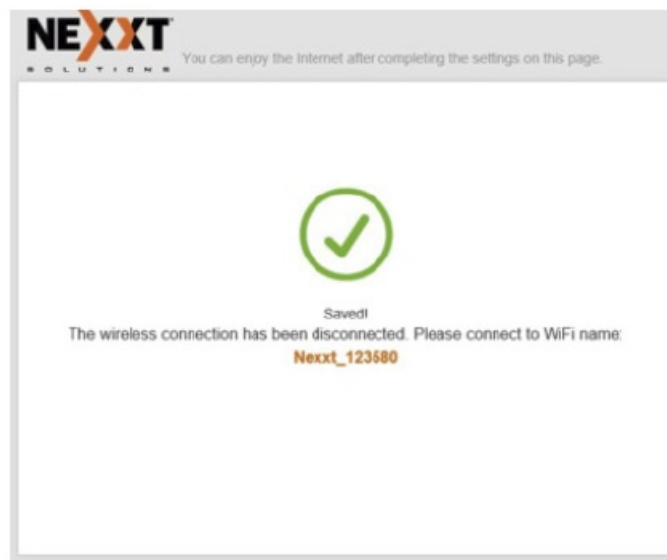
default password. Type admin and click Login to continue. Nebula301plus



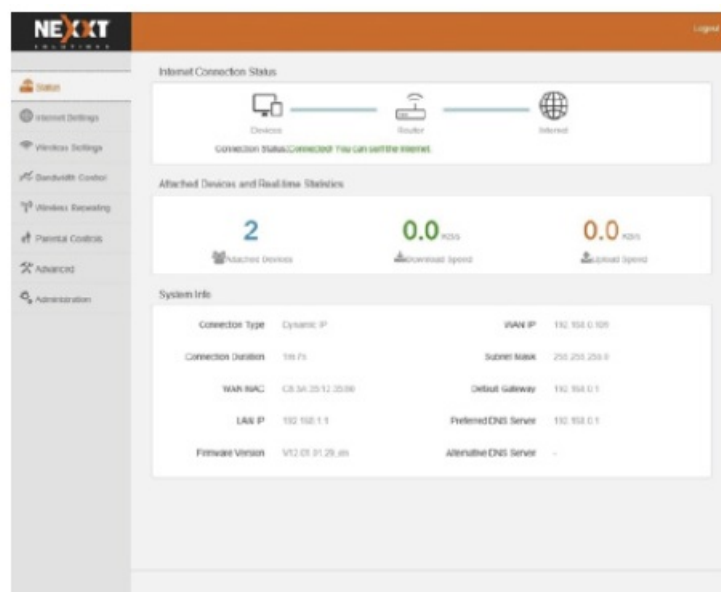
3. Next, the Basic settings page will be displayed. In this window, you will be prompted to select the Internet Connection Type, which will depend on the type of connection offered by your existing Internet Service Provider [ISP]: PPPoE, for dial-up or ☐HCP for other broadband connections. You can also set it up to use a Static IP configuration. By default, the router will auto-detect the connection type and set it to the corresponding configuration. You can also setup the wireless password and SSID under the Wireless Settings area [by default, this is blank]. For security purposes, we recommend using a security key at this stage. It must contain at least 8 characters. Click OK to complete the initial set up of the router.



4. Once complete, you will get a successful setup message. If the SSID and password were changed in the previous step, you will need to access the router using the newly assigned parameters.



5. If the computer you used to set up the router can access the internet, it means that you have successfully configured the device, and that other computers in the LAN should also be able to do the same. If they don't, verify that the Internet Protocol is set to obtain the IP and DNS settings automatically. To do so, right click Network & Internet Settings followed by Ethernet. Next, click on Network and sharing center > Ethernet > Properties and select Internet Protocol version 4 [TCP/IPv4]. Finish by clicking on Properties and Obtain Obtain DNS server and IP address automatically. Please note that the path indicated above relates to Windows 10. Other operating systems may differ, so make sure to follow the instructions of the operating system you are using. If you later wish to customize your wireless router's configurations, login to the router and click on the corresponding menu options you desire to customize.



FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in

accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.


Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Radiation exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated at a minimum distance of 20cm between the radiator and your body
FCCID:X4YNBL301P

Documents / Resources

	<p>NEXXT SOLUTIONS NBL301P NebulaN301 Wireless-N Router [pdf] Installation Guide NBL301P, X4YNBL301P, NBL301P NebulaN301 Wireless-N Router, NebulaN301 Wireless-N Router, Wireless-N Router, Router</p>
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