

Step 1

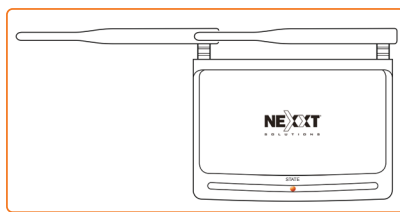
Thank you for purchasing the new Xtender 300 Wireless-N Universal Repeater from Nexxt Solutions™. If any of the following items are mismatched, missing or damaged, please contact the merchant from whom you purchased the unit for immediate replacement.

- ✓ Wireless-N Universal Repeater
- ✓ Power adapter 110/220VAC
- ✓ Network cable
- ✓ Quick installation guide

Step 2

Product layout Front panel

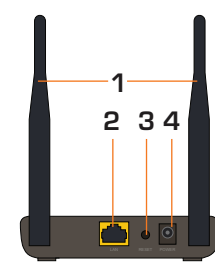
LED indicator



LED	Status	Description
Power/Status	Blinking	System is functioning properly

Step 2

Rear panel



1. Two 5dBi omnidirectional antennas
2. LAN/WAN port
3. Reset button
4. Power socket

Step 2

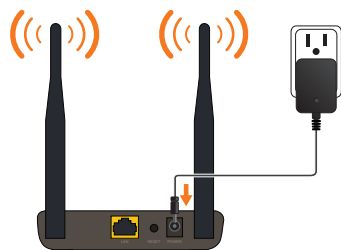
Antenna	Wirelessly broadcasts your signal throughout your home or office.
LAN/WAN port	For connection to a computer or router in your network. LAN: when the device is setup in Universal Repeater or VDS Mode. WAN: when configured in AP mode
RESET button	Press this button for 7-10 seconds to restore the device to its factory default settings.
PWR	Connect the supplied power adapter to this jack.

Step 3

Preliminary steps

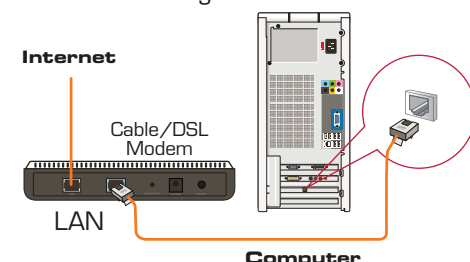
There are a total of three operation modes supported by the repeater: Access Point, VDS Mode and Universal Repeater Mode. By default, the repeater is set to **AP mode**.

Hardware connection



Step 3

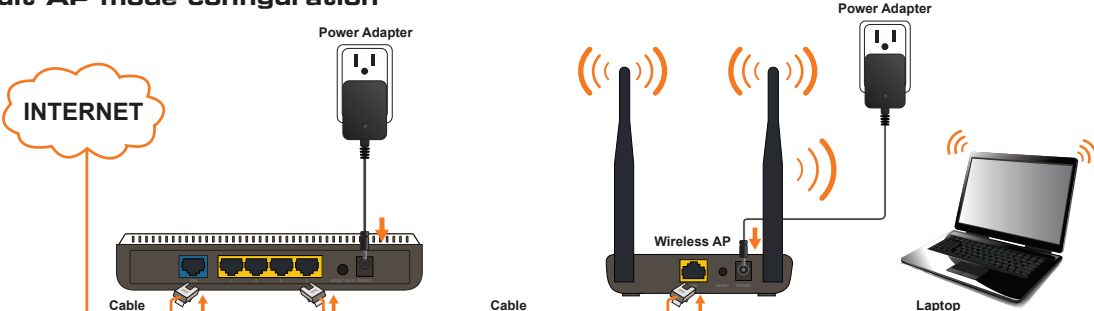
1. First, connect one end of the supplied power adapter to the repeater and then plug the other end into a wall outlet. Make sure to use only the supplied adapter to power the unit.
2. The most widely used connection to access the internet is broadband DSL or Cable, as shown in the diagram below.



Step 3

3. Refer to the diagram below to complete the needed connections to set up your repeater as an Access Point. Since the device is plug and play in AP mode, it is quick and easy to install and configure.

Default AP mode configuration



Step 3

If connecting a desktop computer, you must make sure that the unit comes equipped with a wireless adapter before proceeding. (Nexxt Solutions offers a wide selection of wireless adapters, so check our website for further information).

Step 4

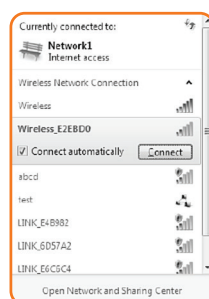
Universal Repeater mode

The universal repeater mode will enable full repeater capabilities on the device so as to double the range, reduce dead spots and improve the performance of your entire wireless network. Use a laptop to configure the range extender to operate in the Universal Repeater Mode. Please note that you must have a wireless network already set up to use the configuration described in this guide.

To set up the device in this mode, follow the steps described below:

Step 4

1. In your laptop, look for the wireless connection icon in the lower right corner of the computer's desktop. Then, click on the refresh button, select the default SSID of the repeater and check the **Connect automatically** box to enable the link.



Step 4

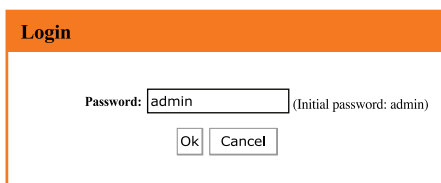
2. When **Connected** appears on the screen, it means that you have successfully connected to your wireless repeater.

Note:
The default SSID of the network is **Nexxt_XXXXXX** (whereby XXXXXX represent the last unique six characters of each router's MAC address). No default wireless password is required at this point.

3. Now you will need to access the web base utility of the device. Type <http://192.168.0.1> in the browser address bar and hit enter.

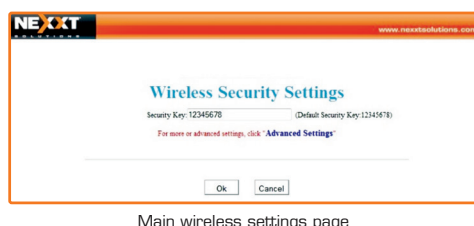
Step 4

4. In this stage, the wireless repeater web interface will come up. The system will then prompt you to enter the default password: **admin**. Then, click **Ok** to continue.



Step 4

5. Next, the **Wireless Security Settings** page will be displayed.

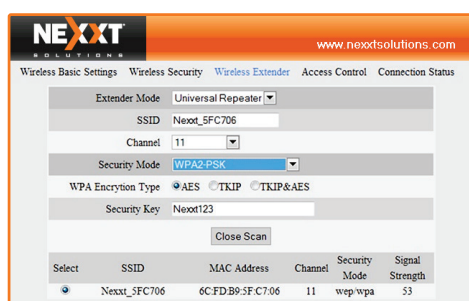


Step 4

6. Click on **Advanced settings**, and then go to **Wireless Settings > Wireless Extender**.

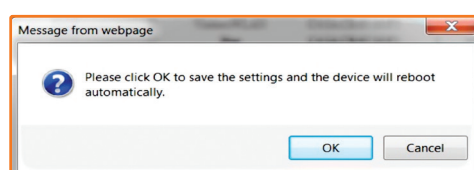
- Select **Universal Repeater**, followed by **Open Scan** in order to search for the primary router.
- Choose the SSID of the primary router.
- Then, select the same **Security Mode** and **Encryption Type** as set up in the primary router (if applicable). This parameter is **Disabled** by default.
- Enter the same **Security Key** used by the primary router (if applicable).

Step 4



- Click on **Apply**. The repeater will prompt you to reboot the system. Choose **Ok** when the reboot dialog box comes up.

Step 4



- Once the repeater has finished rebooting, you can enjoy internet access with the new Xtender 300 using a wireless or wired connection.

Step 4

Device configuration in Universal Repeater Mode



Note: The repeater can have its own SSID, Encryption, Security Method and Password.

Step 5

TIP
If the computer you used to set up the repeater 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 > Properties > Change adapter settings**, followed by **Local area connections > Properties**. Next, double click on **Internet protocol version 4** (or 6 based on your connection) and finish by selecting **Obtain DNS server** and **IP address automatically**.

Step 5

Please note that the path indicated above relates to Windows 7. 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 configuration, click on the **Advanced Settings** menu. Among the parameters you can modify are: SSID, IP address, DHCP, MAC address filtering, extender mode, security settings, etc.

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 measures:

- 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating 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 with minimum distance 20cm between the radiator & your body.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.