Wireless N Travel AP/Router

Quick Installation Guide

REV.2

Open Source Code

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Introduction

The Wireless N Travel AP/Router is designed for tablets, smart phones, handheld game consoles and other portable electronic wireless devices. The device, which can be powered by an external power adapter or USB connection to a computer, and connect conveniently to the internet as well as share the connection around an proper sized room at 150Mbps.The device's tiny size makes it ideal for taking on the road and is powerful enough to satisfy almost any basic wireless application requirement.

Package Contents

Before you starting to use this router, please check if there's anything missing in the package, and contact your dealer of purchase to claim for missing items:

1 x Wireless N Travel AP/Router
1 x Quick Installation Guide

Getting Started

Setting up a Wireless Infrastructure Network

For a typical wireless setup at home (as shown below), please do the following:

Wireless AP Mode

The Travel AP/Router is connected to a wired network then transforms the wired Internet access into wireless so that multiple devices can share the Internet.
So this mode is fit for office, hotel and places where only wired network is available.

Wireless Repeater Mode

The Travel AP/Router copies and reinforces the existing wireless signal to extend the coverage of the signal. Don't change the network's name (SSID) and password yet. This mode is especially useful for a large space to eliminate signal-blind corners.
So this mode is fit for large house, office, warehouse or other spaces where the existing signal is weak.

Router Mode

The Travel AP/Router is connected to a DSL or cable modem and works as a regular wireless router.
So this mode is fit for the environment which Internet access from DSL or cable modem is available for one user but more users need to share the Internet.

Overview

1. Power/WPS LED
2. WPS Button
3. Reset button (Bottom)
4. LAN Port
5. Mode selector

Default Parameters
Default IP: 192.168.10.1
URL: http://ap.setup
Login Name: admin
Password: admin

Wireless SSID: Travel Repeater
Wireless Key: no

LED indicators

LED	Status	Meaning
Power/WPS	Lights up	The Travel AP/Router is switched on.
	Flashes	WPS connection is established or WPS signal of another device is expected
	Off	The Travel AP/Router is switched off.

Configure the Wi-Fi Repeater Mode

Configure the Wi-Fi Repeater Mode with WPS Button.

This is the easiest way to configure the Travel AP/Router. First, check whether your wireless router supports WPS. For further details, please read the operating instructions for your wireless router.

1. The mode selector must be set to the **"AP/Repeater"** position for Repeater Mode.
2. Plug the Travel AP/Router into a USB Port for powering.
3. Press the WPS button on the Travel AP/Router for at least 6 seconds. The Power/WPS LED now flashes for approx. 2 minutes.
4. Within these 2 minutes, please Press the WPS button of the AP/Router directly for 2 - 3 seconds. (For further details, please read the operating instructions for your wireless router.)

The Travel AP/Router then automatically connects to your wireless router and copies wireless key of the settings.

The Travel AP/Router can be accessed via the SSID and the wireless key of your wireless router.

A. Configure the Wi-Fi Repeater wirelessly.

You can configure the Wi-Fi Repeater Mode by connecting it with your computer/laptop with enclosed RJ45 cable or wirelessly.

A1. The mode selector must be set to the **"AP/Repeater"** position for Repeater Mode.

A2. Plug the Travel AP/Router to a USB Port for powering.

A3. Click on the network icon (or) on the right bottom of your desktop. You will find the signal from the **Travel Repeater.** Click on **'Connect'** then wait for a few seconds.

A4. Open web browser and type **http://192.168.10.1** or **http://ap.setup** in the browser address box. This number is the default IP address for this device.

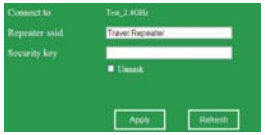
Note: Please check whether the Travel AP/Router accord with factory default settings once you can't entered **http://192.168.10.1.** If you are still not sure what reasons, you can reset the Travel AP/Router, just need to press the reset button for 8 seconds, then try again.

A5. The login screen below will appear. Enter the User Name and Password then click **"Submit"** to login. The default User name is **"admin"** and Password is **"admin"**

A6. After logging in, you will see the web page below:
Click on the **Repeater** button in the Wizard field.

A7. From the list, select a wireless network with which you want to connect the Wi-Fi Repeater by choosing the corresponding network in the **"Select"** field.

A8. After having selected a wireless network, you must then specify the network key of your wireless router for Security key.



After completing the entry, click on the **"Apply"** button.
After the reboot has been completed, the Travel AP/Router is accessible under the SSID and the Wireless key of your wireless router.

B. Configure the Wi-Fi Repeater Mode with RJ45 Cable.

1.Plug the Travel AP/Router to a USB Port. Connect your computer / laptop with the Travel AP/Router with RJ45 Cable (not include)
2.Follow process **A4 to A8** to configure your Travel AP/Router

Configure the Wireless AP Mode.

Use the AP Mode to obtain a "wireless access point". The wireless end devices will connect to the Travel AP/Router in this mode. You can also use this mode, for example, to make a formerly non-wireless-enabled router wireless-enabled.

1. The mode selector must be set to the **"AP/Repeater"** position for AP Mode.
2. Plug the Travel AP/Router into a USB Port for powering.
3. Follow process **A3 to A5.**
4. After logging in, you will see the web page below:
   Click on the **AP** button in the Wizard field.

The following message will be displayed on your web browser:

SSID	Wireless SSID of the Travel AP/Router
Security type	Setup the wireless security and encryption to prevent from unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2, WPA/WPA2 encryption methods.
Security key	The **"Password"** of the Travel AP/Router

Click on **'Apply'** button, The Travel AP/Router will restart.

After the reboot has been completed, the Travel AP/Router is accessible under the SSID and the Wireless key.

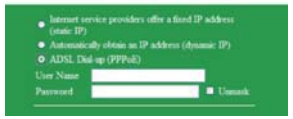
Configure the Wireless Router Mode

The Travel AP/Router is connected to a DSL or cable modem and works as a regular wireless router.
Internet access from DSL or cable modem is available for one user but more users need to share the Internet.

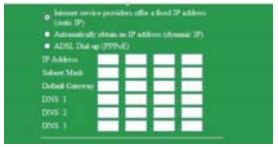
1. The mode selector must be set to the **"Router"** position for Router Mode.
2. Plug the Travel AP/Router into a USB Port for powering.
3. Connect your DSL Modem with the Travel AP/Router with Rj45 Cable (not include)
4. Follow process **A4 to A5**.
5. After logging in, you will see the web page below:
   click on the **Router** button in the Wizard field.

Choose your WAN Connection Type.
If **Dynamic IP** is selected, the Router gets the IP address automatically from the DHCP server or the ISP. No configuration should be set and you can go on with the wireless configuration.

If **ADSL Dial-up (PPPoE)** is selected, please enter the **User Name** and **Password** from your ISP, These fields are case-sensitive.



If **static IP** is selected, please enter the **IP Address, Subnet Mask, Default Gateway, etc.**



Set the wireless parameter. It's recommended that you rename an **SSID**, choose a **Security Mode** and enter a **Key**.

SSID	The "**SSID**" of the Travel AP/Router
Channel	Auto **(recommend)**
Security typeSetup	the wireless security and encryption to prevent from unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2, WPA/WPA2 encryption methods.
Security key	The **"Password"** of the Travel AP/Router

Click '**Apply**' button, It will restart.
Wait for a few seconds your Travel AP/Router is ready for use.

NOTE: In the Router mode. The RJ45 port is the WAN port. So you can connect to this router by wireless.

Management via Web Browser

Wireless Base Configuration

Please follow the following instructions: Click "***Wi-Fi -> Basic Settings***" located at the web management interface, the following message will be displayed on your web browser:

You could configure the basic setting of Wireless settings for communication, such as Network Name **(SSID)** and Channel. The Access Point can be set simply with only the minimum setting items.

Wireless Enable	Wireless On/Off
SSID	Wireless SSID of the Travel AP/Router
Channel	Auto **(Recommend)**
Security type	Setup the Wireless security and encryption to prevent from unauthorized access and monitoring. Supports 64/128-bit WEP, WPA, WPA2, WPA/WPA2 encryption methods
Security key	The **"Password"** of the Travel AP/Router

Click ***'Apply'*** button, The Travel AP/Router will restart.

Change Management password

Default password of Wireless Repeater is "admin", and it's displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

To change password, please follow the following instructions:
Please click ***'Management -> Password'*** menu on the web management interface, the following message will be displayed on your web browser:

If you want to keep original password unchanged, click ***'Cancel'***.

Click ***'Apply'*** button, The Travel AP/Router will log off.

Firmware Upgrade

The system software used by this router is called '**firmware**', just like any applications on your computer, when you replace the old application with a new one, your computer will be equipped with new function. You can also use this firmware upgrade function to add new functions to your router, even fix the bugs of this router.

Please click ***'Management-> Upgrade Firmware'*** located at the web management interface, and then the following message will be displayed on your web browser:

Click ***'Browse...***' or ***'Choose File***' button first; you'll be prompted to provide the filename of firmware upgrade file. Please download the latest firmware file from our website, and use it to upgrade your router.

After a firmware upgrade file is selected, click ***'Upload***' button, and the router will start firmware upgrade procedure automatically.
The procedure may take several minutes, please be patient.

NOTE: Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from router. If the firmware you uploaded is interrupt, the firmware upgrade will fail, and you may have to return this router to the dealer of purchase to ask for help.

(Warranty voids if you interrupted the upgrade procedure).

Factory Default and Settings Backup, Restore

You can backup all Setting of this router to a file, so you can make several copied of router configuration for security reason.

To backup or restore router setting, please follow the following instructions:
Please click ***'Save/Reload setting***' located at the web management interface, then the following message will be displayed on your web browser:

Save Settings	Press ***'Save...'*** button, you can please save it as another filename for different versions, and keep it in a safe place.
Load Settings	Press ***'Browse...***' to pick a previously-saved configuration file from your computer, and then click ***'Upload...'***. After the configuration is uploaded, the router's configuration will be replaced by the file you just uploaded.
Reset Settings	Click this ***'Load default'*** button to remove all settings

How to connect your computer/ laptop with the Travel AP/Router

Adding a Wireless computers to the Travel AP/Router

1. Log on to the computer.
2. Open Connect to a Network by right-clicking the network icon (or) in the notification area.
3. Choose the wireless network from the list that appears, and then click **Connect.**
4. Type the network security key or pass phrase if you are asked to do so, and then click **OK**. You'll see a confirmation message when you are connected to the network.
5. To confirm that you added the computer, do the following:
   Open Network by clicking the **Start** button , and then clicking **Control Panel**. In the search box, type **network**, and then, under Network and Sharing Center, click **View network computers and devices.** You should see icons for the computer you added and for the other computers and devices that are part of the network.

Note: If you don't see icons in the Network folder, then network discovery and file sharing might be turned off.

Adding a Wireless computers to the Travel AP/Router with WPS Button

This is the easiest way to establish a connection to the AP. First, check whether your end device supports WPS. For further details, please read the operating instructions for your end device.

1. Log on to the computer.
2. Press the WPS button on the Travel AP/Router for 3 seconds. The Power/WPS LED now flashes for approx. 2 minutes.
3. Within these 2 minutes, please press the connection button (WPS) on your end device. (For further details, please read the operating instructions for your end device.)

Your end device then automatically connects to your Travel AP/Router and applies all of the settings. You should see icons for the computer you added and for the other computers and devices that are part of the network.

Adding a wired (Ethernet) computer to the Travel AP/Router

1.Plug the Travel AP/Router to a USB Port. Connect your computer / laptop with the Travel AP/Router with enclosed RJ45 Cable.
2.To Confirm that you added the computer, do the following:
Open Network by clicking the **Start** button , and then clicking **Control Panel**. In the search box, type **network**, and then, under Network and Sharing Center, click **View network computers and devices.** You should see icons for the computer you added and for the other computers and devices that are part of the network.

For more information:
http://windows.microsoft.com/en-US/windows7/Add-a-device-or-computer-to-a-network
http://windows.microsoft.com/en-US/windows7/Setting-up-a-wireless-network
http://windows.microsoft.com/en-US/windows-vista/Setting-up-a-wireless-network

How to configure your computer/ laptop with the Network IP Address

1. Log on to the computer.
2. Click the **"Start"** button (it should be located at the lower-left corner of your screen), then click **"Control Panel"**. Click **"View Network Status and Tasks"**, and then click **"Manage Network Connections"**. Right-click **"Local Area Network"**, then select **"Properties"**. When the **"Local Area Connection Properties"** window appears, select **"Internet Protocol Version 4 (TCP/IPv4)"** and then click **"Properties"**.

3. Setting IP address manually: Type IP address is **192.168.10.x (x is from 2 to 254)**, and Subnet mask is **55.255.255.0.** Type the Router's LAN IP address (the**192.168.10.1**) into the Default gateway field.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

FCC RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types Wireless N Travel AP/Router (FCC ID: NZ3WS-WN565N1) has also been tested against this SAR limit. The highest reported SAR body is 0.742W/kg. This device was tested for typical body operations with the back of the device kept 5mm from the body. To maintain compliance with FCC RF exposure requirements. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

FCC Warning

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.

NOTE 1: 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 or more 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.