

Infrastructure WAN Mode

Step by Step Tutorial



Step 1: Connect your PC/Mobile Devices to your Ai-Ball



- 1) Switch to “” on your Ai-Ball and wait for about 10 seconds. Right click on the network icon on the system tray.
- 2) Connect your PC or mobile phone (with Wi-Fi) to the Ai-Ball.
- 3) Enter <http://ai-ball.com> or <http://192.168.2.1> on your web browser.

Step 2: Configure Ai-Ball settings

1) Select "Infrastructure" under **Wireless Mode**. Configure the settings as seen below.

***SSID:** Set the SSID ("Trek_Test_TP_LINK" in example) of the Wireless AP Router, which the Ai-Ball and your Wi-Fi devices are commonly connected to.

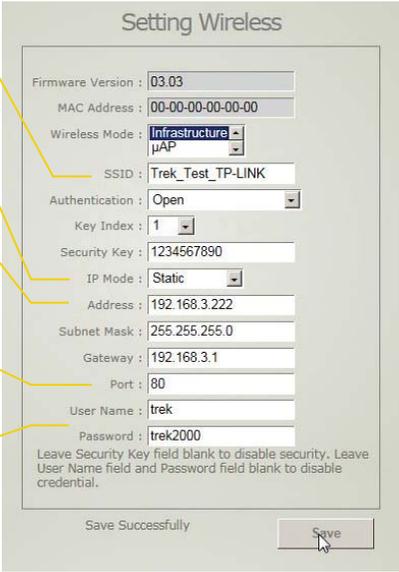
IP Mode: Select "Static".

Address: Select an IP address ("192.168.3.222" in example). You would connect to this IP address on your Wi-Fi device to view the Ai-Ball video stream. You may have to set your Wireless Router AP to allow this.

Port: Set a port number other than the default "80" (preferably between 2000 and 64000, e.g 8888).

User Name: Do not set the User Name and Password, leave /**Password** them blank.

Authentication, Key Index, Subnet Mask, Gateway are base on your Wireless AP Router (check your manual for details).



The screenshot shows the 'Setting Wireless' configuration page. The fields are as follows:

- Firmware Version: 03.03
- MAC Address: 00-00-00-00-00-00
- Wireless Mode: Infrastructure (selected from a dropdown menu)
- SSID: Trek_Test_TP_LINK
- Authentication: Open (selected from a dropdown menu)
- Key Index: 1 (selected from a dropdown menu)
- Security Key: 1234567890
- IP Mode: Static (selected from a dropdown menu)
- Address: 192.168.3.222
- Subnet Mask: 255.255.255.0
- Gateway: 192.168.3.1
- Port: 80
- User Name: trek
- Password: trek2000

Below the fields, there is a note: "Leave Security Key field blank to disable security. Leave User Name field and Password field blank to disable credential." At the bottom right, there is a "Save" button with a mouse cursor over it. A "Save Successfully" message is visible at the bottom left of the form area.

2) Save the settings before exiting.

3) Turn off the Ai-Ball and turn it on again for the above settings to take effect.

Step 3: Setting up a DDNS account

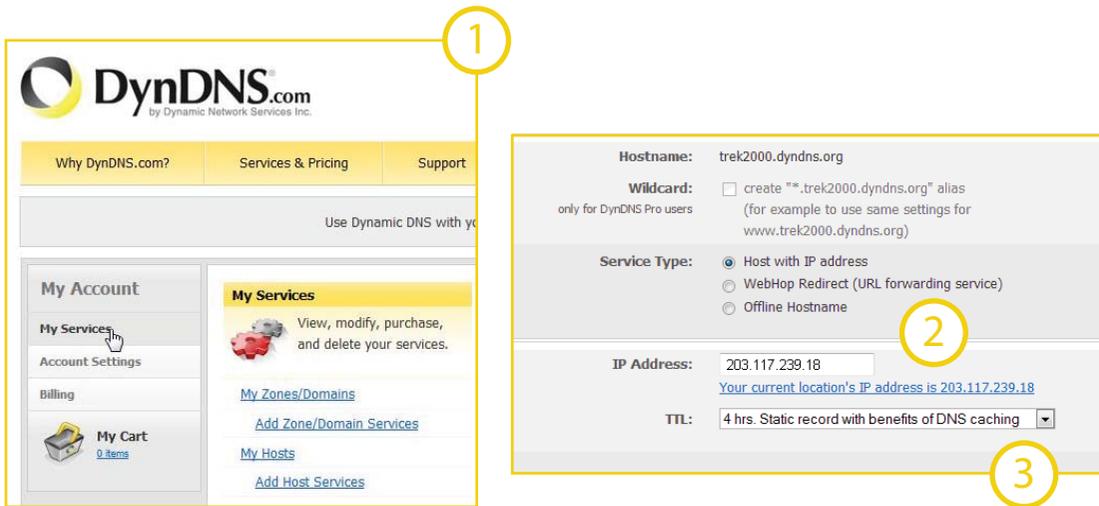
- 1) You need to choose and setup an account with a DDNS service provider.
(we will use the free DynDNS service for our subsequent examples).



- 2) Login to your DDNS service account.

Step 4: Configure your DDNS account

1) Go to My Services, select Add Host Services and configure the DDNS accordingly.



The screenshot shows the DynDNS.com website interface. A yellow box labeled '1' highlights the 'My Services' link in the left navigation menu. To the right, the 'My Services' configuration form is shown, with a yellow box labeled '2' highlighting the 'IP Address' field and a yellow box labeled '3' highlighting the 'TTL' dropdown menu.

1

2

3

DynDNS.com
by Dynamic Network Services Inc.

Why DynDNS.com? Services & Pricing Support

Use Dynamic DNS with yo

My Account

- My Services
- Account Settings
- Billing
- My Cart (0 items)

My Services

View, modify, purchase, and delete your services.

- [My Zones/Domains](#)
- [Add Zone/Domain Services](#)
- [My Hosts](#)
- [Add Host Services](#)

Hostname: trek2000.dyndns.org

Wildcard: create "*.trek2000.dyndns.org" alias (for example to use same settings for www.trek2000.dyndns.org)

Service Type:

- Host with IP address
- WebHop Redirect (URL forwarding service)
- Offline Hostname

IP Address: 203.117.239.18
[Your current location's IP address is 203.117.239.18](#)

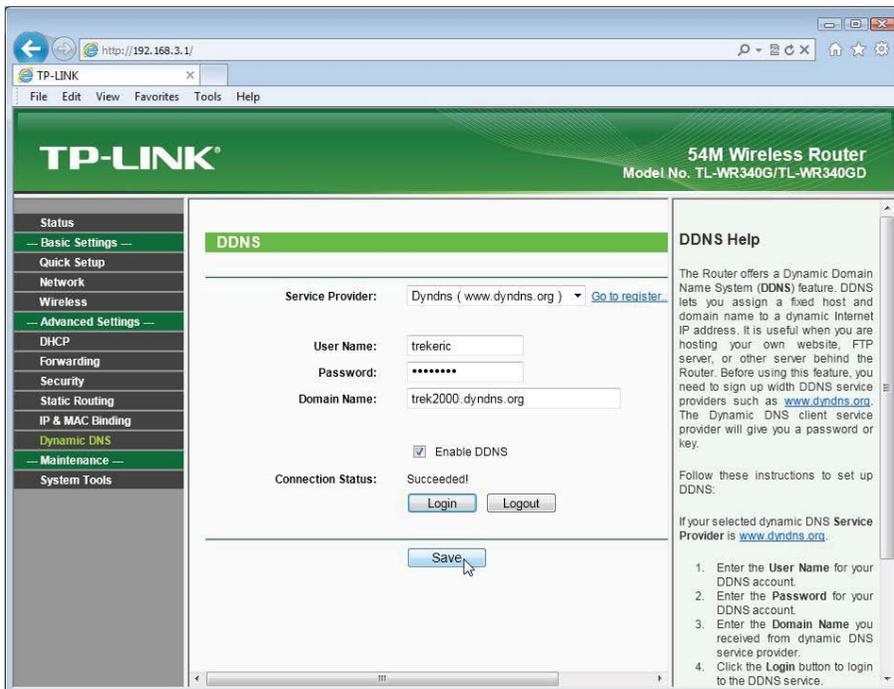
TTL: 4 hrs. Static record with benefits of DNS caching

2) By connecting your PC/Mobile devices to Internet via the same Wireless AP Router, the DynDNS site (after you login) is able to detect the actual IP address of your Wireless AP Router (as shown in the above example). You can then enter this address in the **IP Address** entry.

3) It is also recommended to select "4 hrs Static record" under the **TTL** entry.

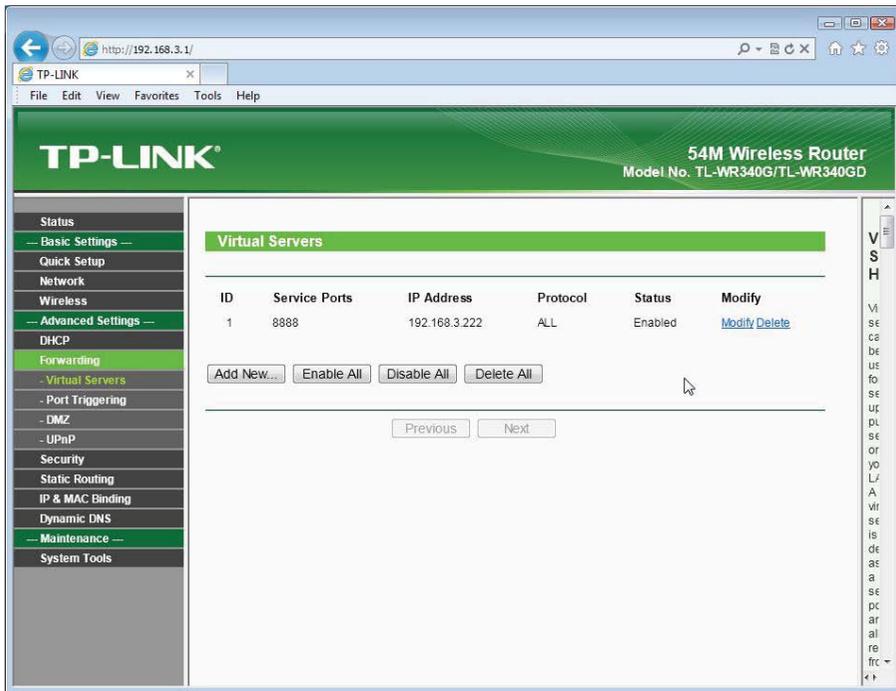
Step 5: Configure your Wireless AP router (DDNS)

- 1) Configure the **DDNS** (Dynamic DNS) settings in your Wireless AP Router base on details from your DDNS account. (check your router manual for details on how to configure your router)



Step 6: Configure your Wireless AP router (Port Forwarding)

- 1) For port forwarding, configure the **Virtual Servers** settings accordingly. Note that you should use the same static IP address and port number assigned to the Ai-Ball in [Step 2](#) (“192.168.3.222” and “8888” respectively for example).



The screenshot shows the TP-LINK 54M Wireless Router web interface. The browser address bar displays "http://192.168.3.1/". The page title is "TP-LINK 54M Wireless Router Model No. TL-WR340G/TL-WR340GD". The left sidebar contains a navigation menu with the following items: Status, -- Basic Settings --, Quick Setup, Network, Wireless, -- Advanced Settings --, DHCP, Forwarding (highlighted), - Virtual Servers (highlighted), - Port Triggering, - DMZ, - UPnP, Security, Static Routing, IP & MAC Binding, Dynamic DNS, -- Maintenance --, and System Tools. The main content area is titled "Virtual Servers" and contains a table with the following data:

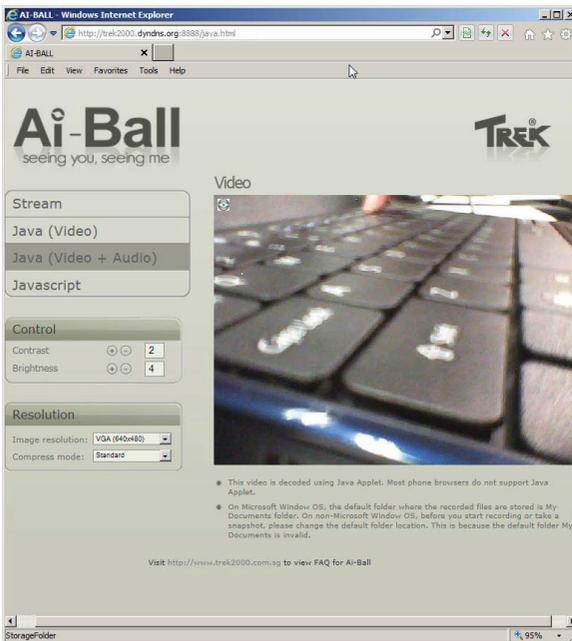
ID	Service Ports	IP Address	Protocol	Status	Modify
1	8888	192.168.3.222	ALL	Enabled	Modify Delete

Below the table are buttons for "Add New...", "Enable All", "Disable All", and "Delete All". At the bottom of the table area are "Previous" and "Next" buttons. On the right side of the page, there is a vertical sidebar with the letters "V S H" and a list of characters: "Vi", "se", "ce", "de", "uf", "fo", "se", "ur", "pl", "se", "of", "yo", "L", "A", "vir", "se", "is", "de", "as", "a", "se", "pc", "ar", "al", "re", "fr", "←", "↑", "↓", "→".

Step 7: Long Distance Viewing/Recording!

1) From remote location, use a web browser (on a PC/Mobile devices with Internet access) and enter the address accordingly. In our example, the address is: “http://trek2000.dyndns.org:8888”

* Note that trek2000.dyndns.org is the hostname of your DDNS account and “8888” is the port number we have chosen in [Step 2](#).



You can now view/record over a long distance through Infrastructure WAN mode!