

How to setup free Dynamic DNS for remote access to IP controllers IPSW2210 and IPS2222

Basically, dynamic DNS is a service provided by third-party providers whereby a constantly changing IP address given by an ISP is updated regularly and associated with a hostname given by the company.

Using Dynamic DNS service, you can theoretically create a static IP address for your controllers IPSW2210 or IPS2222. Here's how it works. When you visit any web site on the Internet, you can either type in the IP address or you can enter in the domain name, like www.google.com. There are DNS servers all over the world that keep track of which names correspond to which numeric IP addresses.

For this purpose your router must support Dynamic DNS.

1. Make registration for example in www.noip.com or www.dyndns.org.
2. Once register you must enter data on your router about:
 - Service Provider - for example - www.noip.com
 - User Name
 - Password
 - Domain Name

Login router to your Dynamic DNS account.

The screenshot displays the TP-LINK DDNS configuration interface. On the left is a sidebar menu with options: Status, Quick Setup, WPS, Network, Wireless, DHCP, Forwarding, Security, Parental Control, Access Control, Advanced Routing, Bandwidth Control, IP & MAC Binding, Dynamic DNS (highlighted), and System Tools. The main area is titled 'DDNS' and includes the following fields and controls:

- Service Provider:** A dropdown menu set to 'No-IP (www.no-ip.com)' with a [Go to register..](#) link.
- User Name:** A text input field containing 'Username'.
- Password:** A text input field containing '.....'.
- Domain Name:** A text input field containing 'ipsw2210.ddns.net'.
- Enable DDNS:** A checked checkbox.
- Connection Status:** Displays 'Succeeded!'.
- Buttons:** 'Login' and 'Logout' buttons are positioned below the status, and a 'Save' button is at the bottom of the form.

3. After setup dynamic DNS in your router then make forwarding setup.

Configure the router to forward a service port from your Dynamic DNS account to port of IP controllers IPSW2210 or IPS2222.

The IP Sensor device uses port 80 by default, but any number between 1 and 65500 will be valid.

This means that if you were to type in the web browser address bar - ipsw2210.ddns.net:1000 you could be forwarded to 192.168.1.175:1000.

