Using DynDNS

Calling up the Sunny WebBox via the Internet

Content

This document describes how to access your Sunny WebBox from any computer via the Internet. You can only access your Sunny WebBox directly via the Internet if you know the current IP address of the router to which your Sunny WebBox is connected. The IP address of your router can change if your Internet provider cuts the connection to your router.

This document describes two possible solutions to this problem:

- calling up the Sunny WebBox via the Sunny Portal (www.SunnyPortal.com)
- calling up the Sunny WebBox via an Internet address using DynDNS

In order to use DynDNS, you must use a router for Internet access.

1   Calling up the Sunny WebBox via the Sunny Portal

Prerequisite: access to Sunny Portal

If you do not yet have access to the Sunny Portal, you can register via your Sunny WebBox as described in the Sunny WebBox manual.

For more information on the Sunny Portal, see www.SunnyPortal.com.

Prerequisite: router is configured for port forwarding

Configure your router for port forwarding to Sunny WebBox as described in section "Set port forwarding" (page 13).

If you are registered in Sunny Portal, you can access your Sunny WebBox via Sunny Portal. The Sunny WebBox regularly transmits the current IP address and port assigned by your Internet provider to Sunny Portal. To call up your Sunny WebBox, click on the name of your Sunny WebBox on the "Configuration > Device overview".
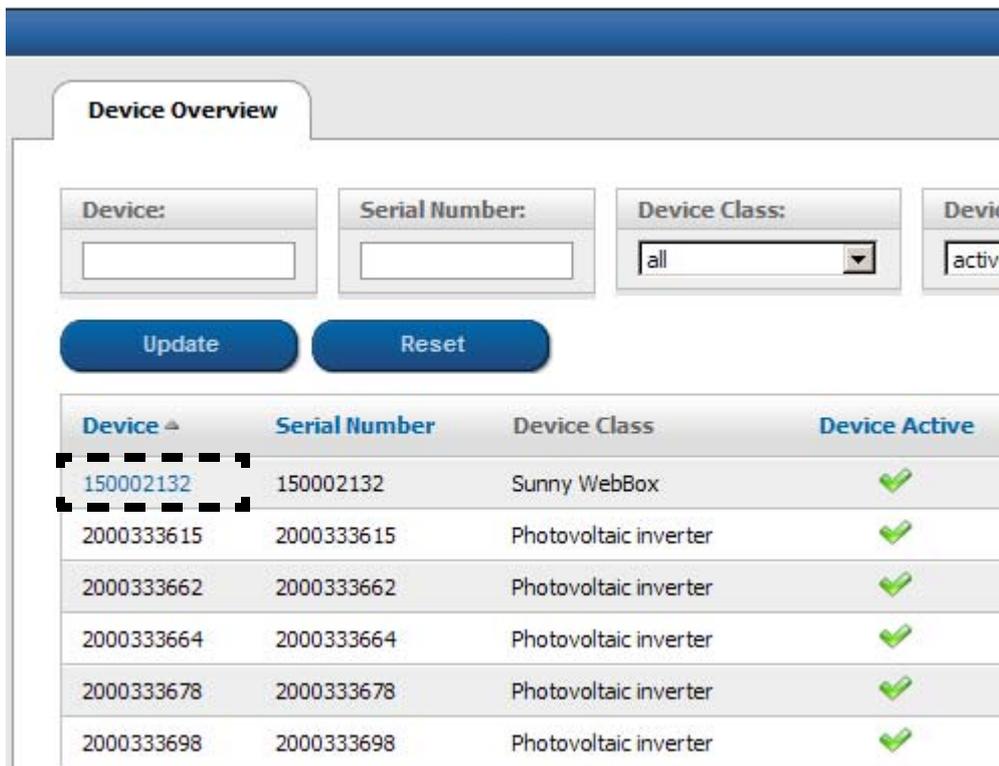
2   Calling up the Sunny WebBox via an Internet address using DynDNS

If you do not wish to register in Sunny Portal, you can call up your WebBox via an Internet address using a DynDNS service. The DynDNS service can transfer the dynamic IP address of your Sunny WebBox to an Internet address. Some providers offer this service at no charge. These providers include, for example, www.dyndns.com and www.No-IP.com.

Prerequisites for using DynDNS:

- You use a router for Internet access.

- The Sunny WebBox has a fixed IP address and is not integrated into the network via DHCP (dynamically assigned IP addresses).

2.1   Set up an Internet address at a DynDNS service

This section provides an example of how to set up a fixed Internet address at a DynDNS service. In the following example, we use the Internet address "wb08.homeip.net" at the DynDNS service "www.dyndns.com".


Router with an integrated DynDNS service

Many routers support DynDNS services. In this case, proceed as described in this section.

Router without an integrated DynDNS service

If your router does not support a DynDNS service, you can install a special program called a "DynDNS client" on your computer. The program must run continuously, or at least have an Internet connection once per day.

---

1. Call up www.dyndns.com.

2. Select "Create Account" in order to create a user account.
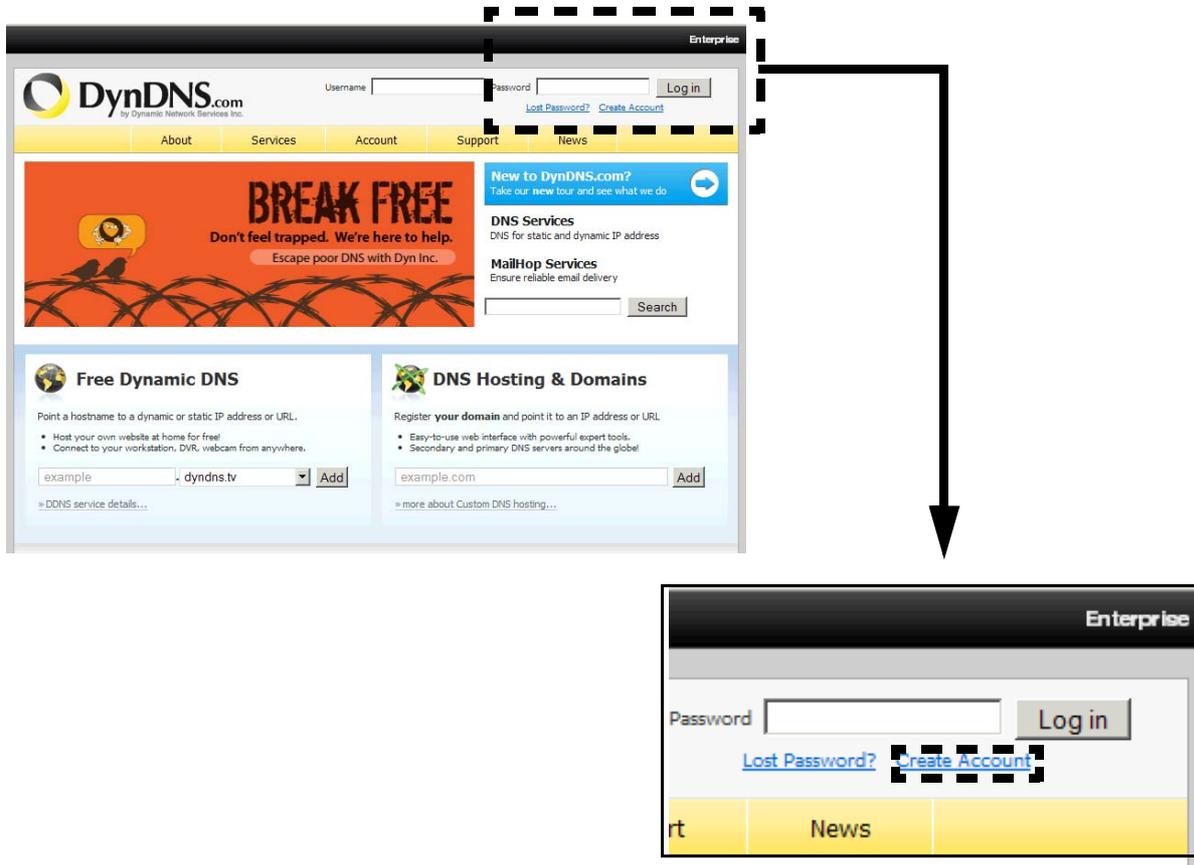
☑ The page for creating a user account will open.
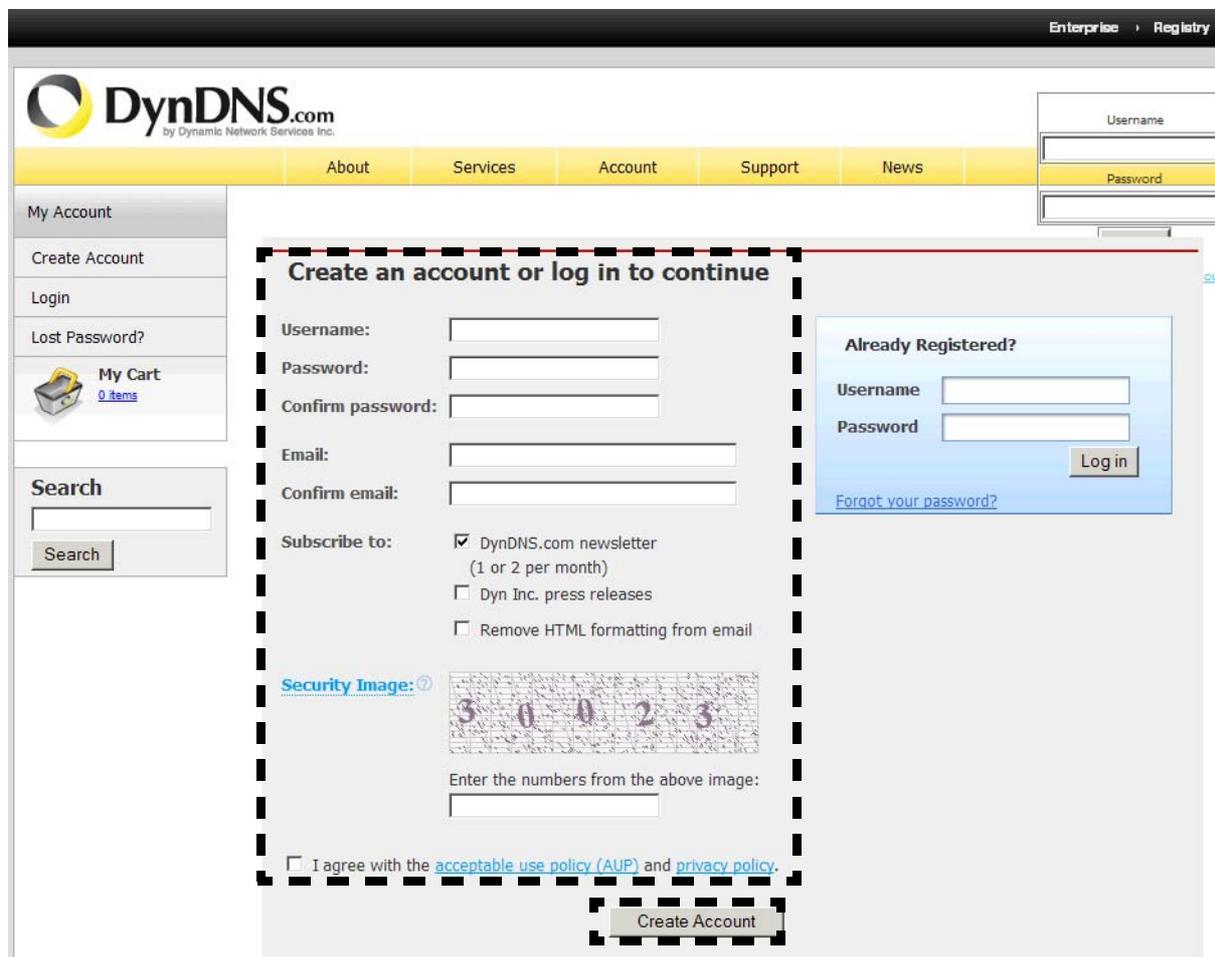
3. Enter the desired user name in the "Username:" field.

4. Enter the desired password in the "Password:" field.

5. Re-enter the desired password in the "Confirm password:" field to confirm.

6. Enter the e-mail address in the "Email:" field. The entered e-mail address must be valid. You will receive an e-mail with a link that you can follow to activate your user account. If you do not click the link within 24 hours and activate your user account, the user account will be deleted.

7. Re-ender your e-mail address in the "Confirm email:" field to confirm.

8. If you do not wish to receive the latest news via e-mail updates, deactivate the "DynDNS.com newsletter (1 to 2 per month" field in the "Subscribe to:" area.

9. In the "Enter the numbers from above image:" field, enter the numbers indicated above the field.

10. Activate the "I agree with the acceptable use policy (AUP) and privacy policy." field if you accept the providers terms and conditions.

11. Select [Create Account] if you wish to submit the completed form.

☑ The DynDNS service will send you an e-mail to confirm your registration. It may take several minutes for the e-mail to arrive in your inbox.
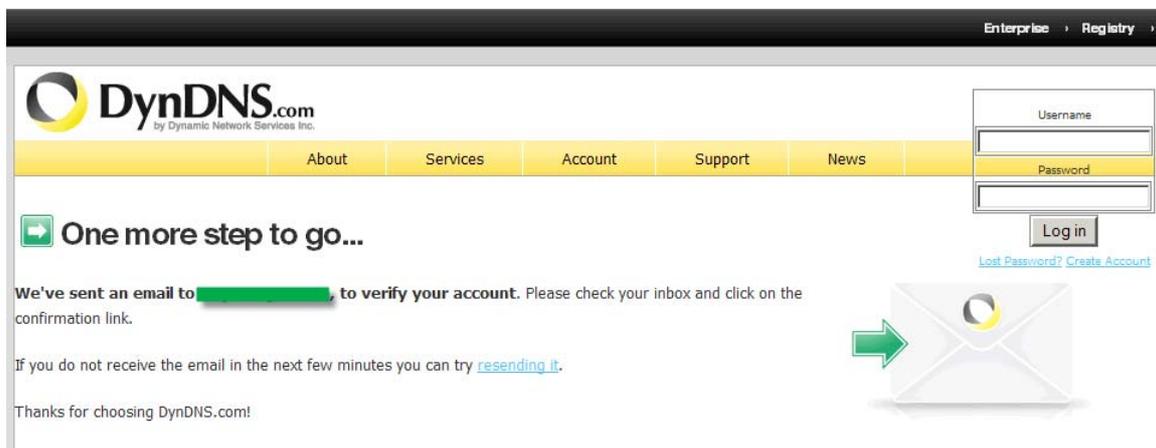

Confirming registration

You must confirm your registration within 48 hours in order to activate your DynDNS user account.

12. Open the e-mail from DynDNS in your e-mail inbox.

13. Click on the link inside the body of the e-mail in order to confirm your registration.

☑ The www.dyndns.com home page will open. The "Account Confirmed" message indicates that your user account has been activated and is ready to be set up.
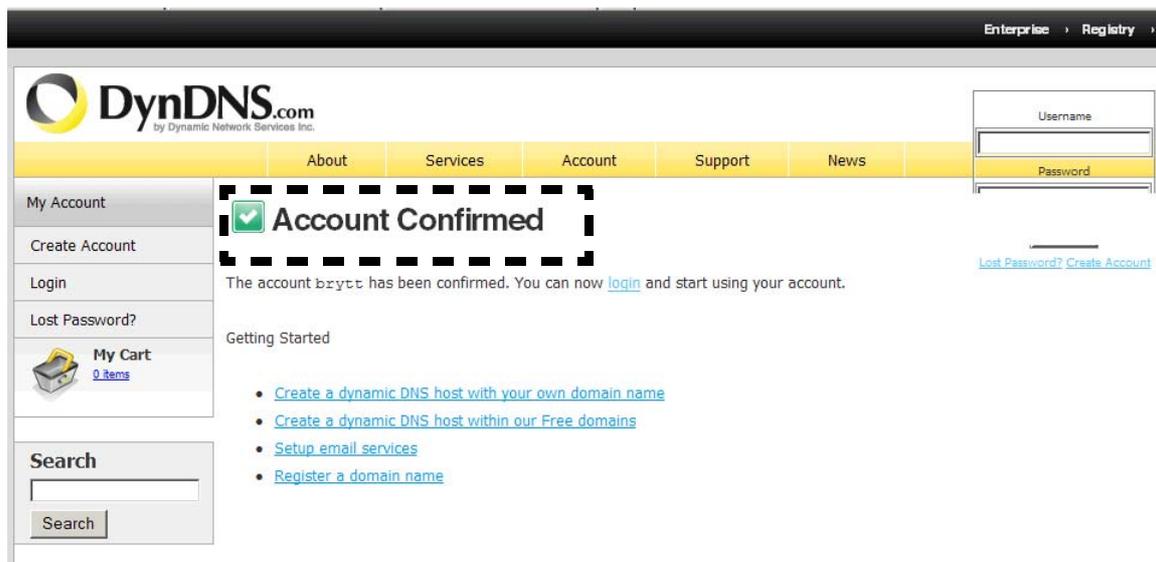
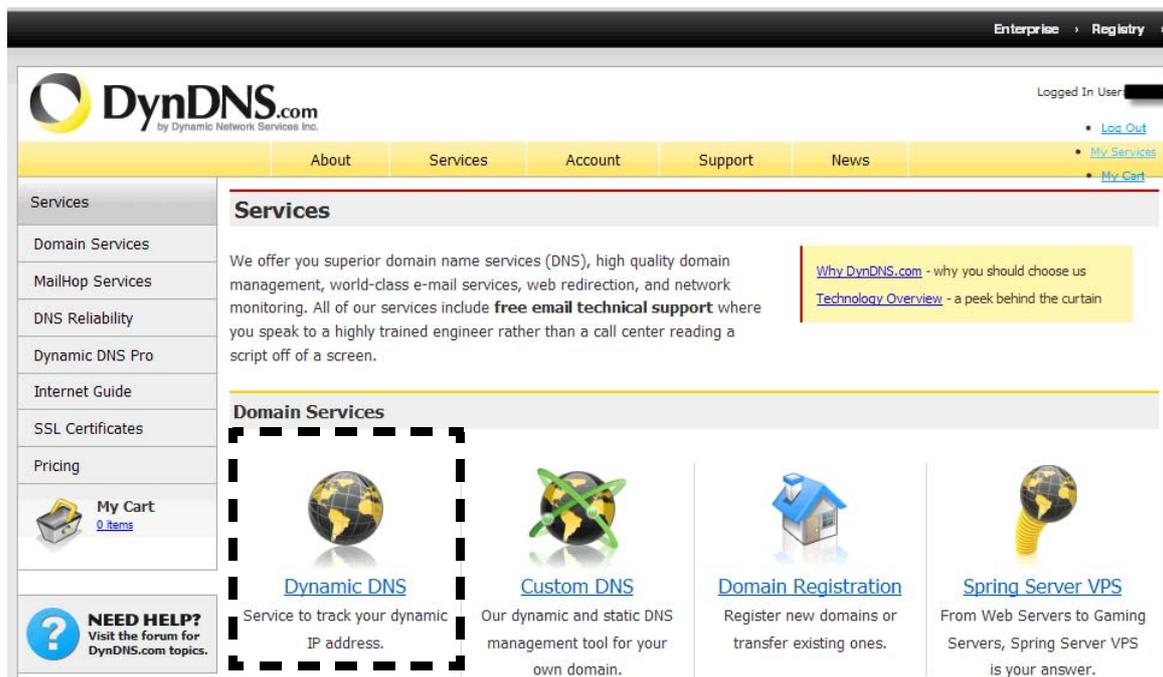### Reserving an Internet address

14. Log in to the DynDNS home page with your user name (your e-mail address) and password.
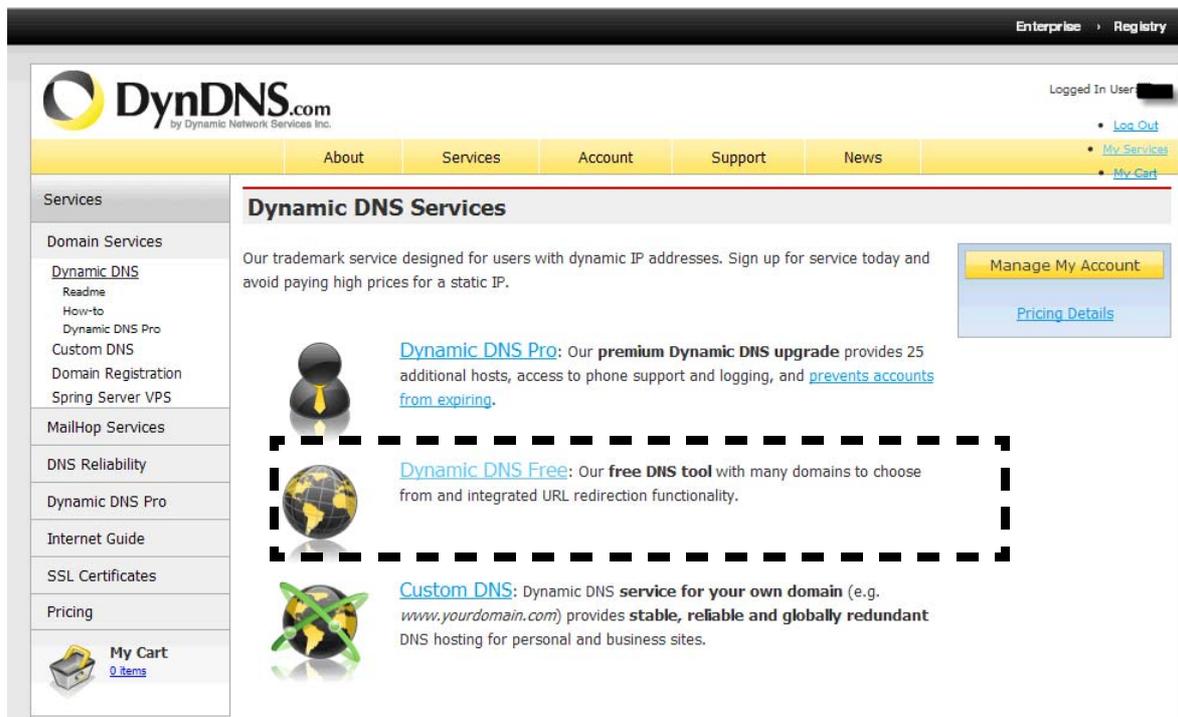
    ☑ Your user account page will open.
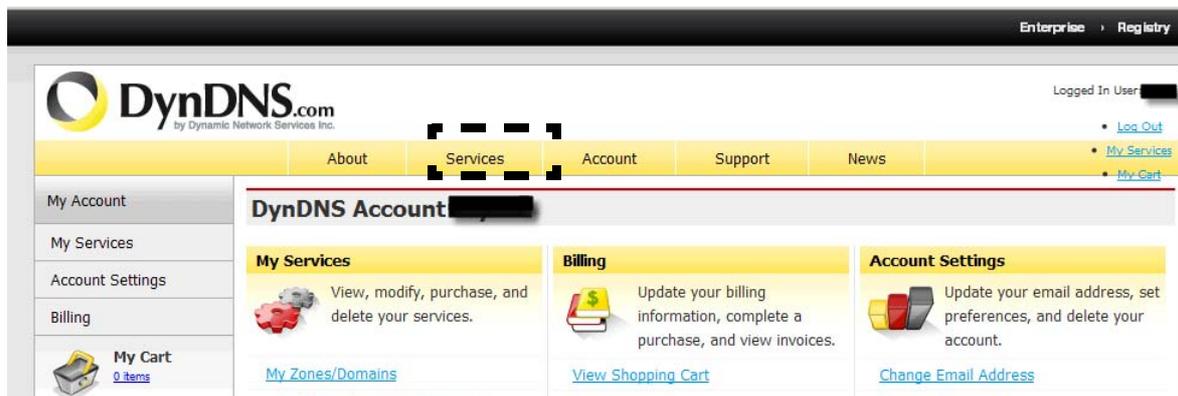
15. Select "Services".
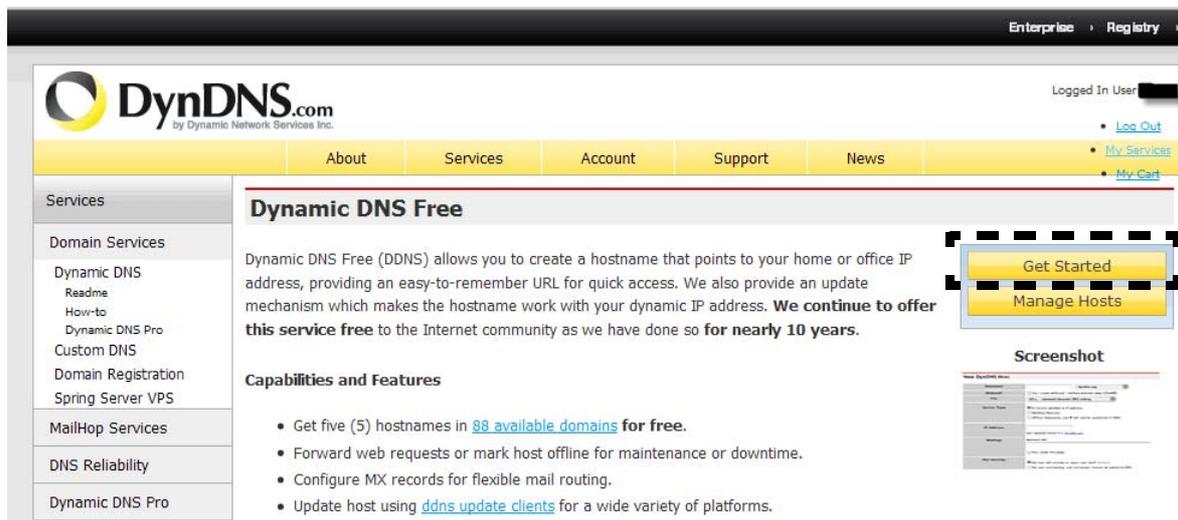
    ☑ The "Services" page will open.

16. Select "Dynamic DNS".
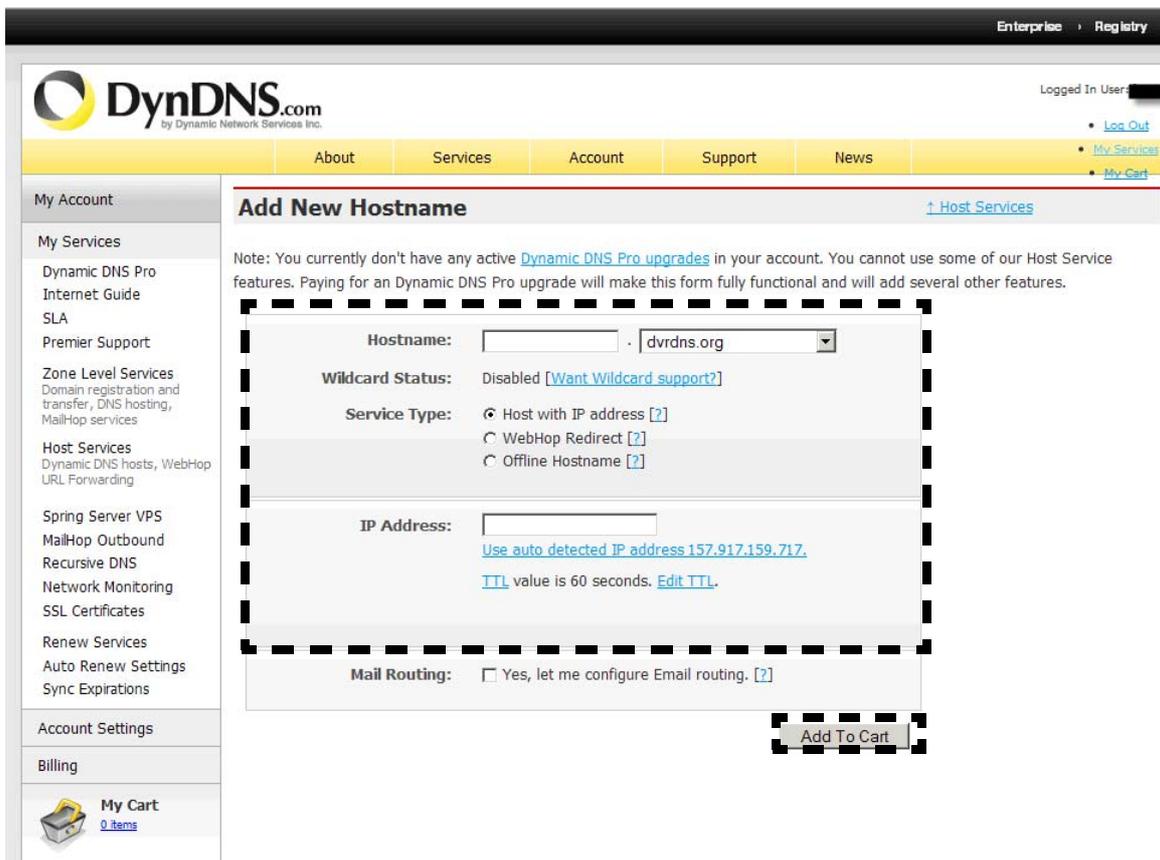
☑ The "Dynamic DNS Services" page will open.

17. Select "Dynamic DNS Free".

☑ The "Dynamic DNS Free" page will open.

18. Select [Get Started].

☑ Open the "Add New Hostname" **page.**

19. Enter the desired name for the Internet address (e.g. wb08) in the "Hostname:" field.

20. Enter the desired main domain name in the drop down menu (e.g., homeip.net). The main domain is the ending of the name of your home page.

21. Activate "Host with IP address" in the "Service Type" area.

22. Select the link "Use auto detected IP address ..xxx.xxx.xxx.xxx" under the field "IP address". The numbers in the link (xxx.xxx.xxx.xxx) is the current IP address of your router.

☑ The current IP address of your router is automatically entered into the "IP Address" field.
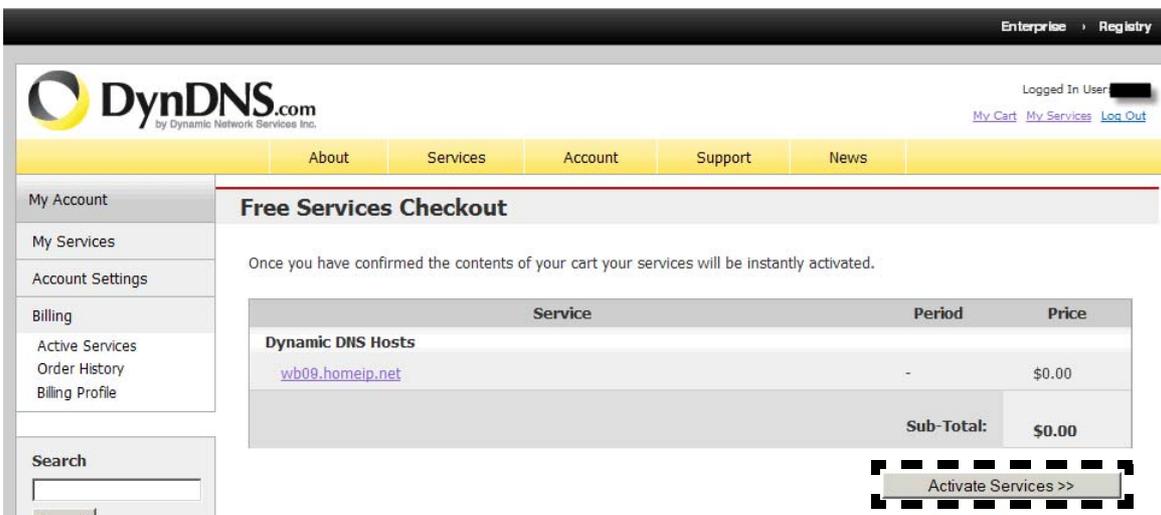
No further settings are necessary on this page.

23. Select [Add To Cart]

☑ DynDNS will check whether the desired Internet address (here: wb08.homeip.net) is available. If the Internet address is available, a message will appear that DynDNS has created an Internet address under this name.
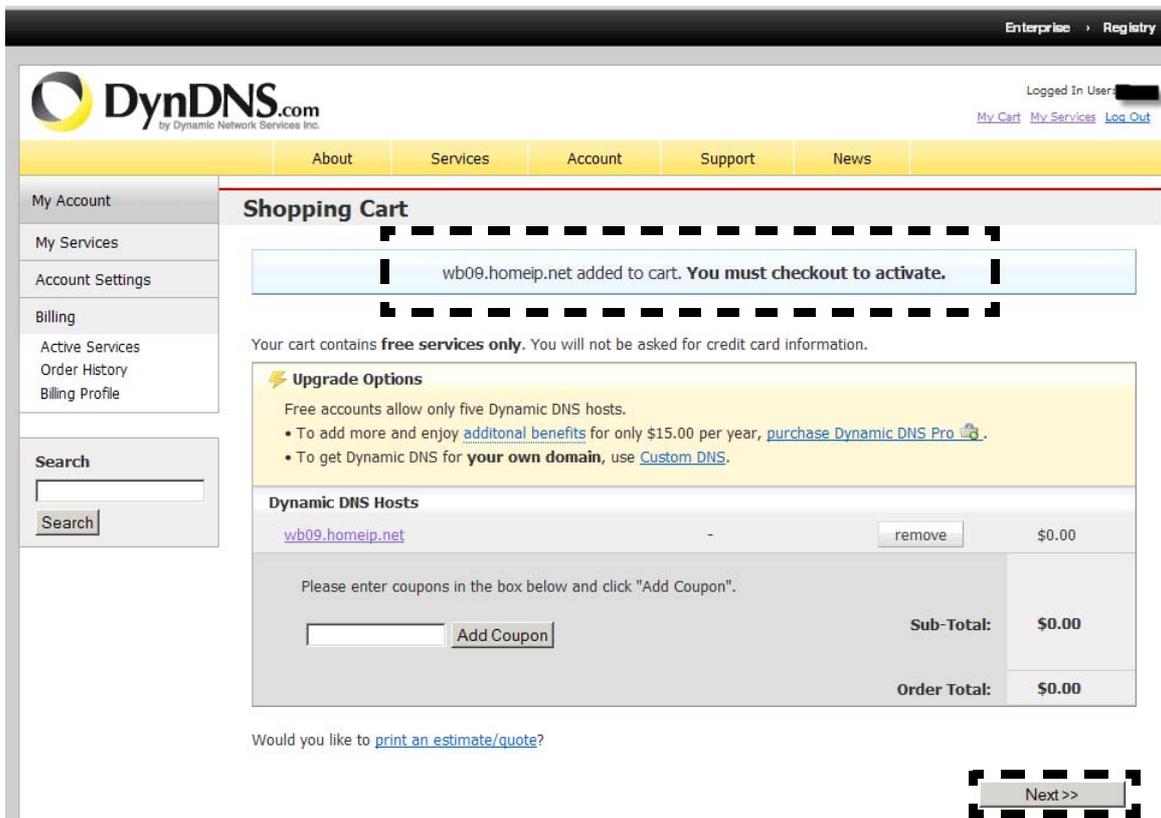
24. Select [Next].

☑ The "Free Services Checkout" page will open.

25. Select [Activate Services].

☑ The "Host Services" page will open and a message will indicate that the Internet page was successfully activated. The registration at DynDNS is now complete.

Always use "Log Out" to close the DynDNS page.

Additional steps:

• If you have a single Sunny WebBox, set up the router for DynDNS as described in section 2.2 "Set up router for DynDNS" (page 12).

• If you have more than one Sunny WebBox device and you want to access each of them via an Internet address, you will need to establish a different HTTP port and FTP port for each Sunny WebBox. You can change the HTTP port on the user interface of the Sunny WebBox as described in the Sunny WebBox manual. You will not be able to set different FTP ports on the Sunny WebBox. This entails setting changes in the router that requires substantial knowledge of networks. Before adjusting the ports, contact your network administrator.

2.2 Set up router for DynDNS

The settings for the router for DynDNS are described using the example of a router type like the "Linksys Compact Wireless G Broadband Router". Other routers, for example the "Dlink", can be set in a similar manner. Refer to your router manual to adjust the settings of your router.

1. Call up the router home page as described in the manual.

2. Open the settings page for Dynamic DNS.

   In the example, the page is called "DDNS".

3. Input the DynDNS service home page in the router.

   In the example, select "DynDNS" in the drop down menu. The DynDNS service "www.dyndns.com" used in these instructions can also be accessed at "www.dyndns.org".

4. Enter the user name for your DynDNS user account in the router.

   In the example, enter the user name in the "User Name:" field ("Testuser" in the current example).

5. Enter your DynDNS user account password in the router.

   In the example, enter "Password:" as the password of your DynDNS user account.

6. Enter the Internet address in the router that you set up at the DynDNS service.

   Enter the Internet address in the field "Host Name:" in the example. In the example in these instructions, the Internet address "wb08.homeip.net" was established.

7. Save settings.

   Select "Save Settings" in the example.

☑ The router will re-start. The start-up will take approximately 30 seconds. During the start-up, the router will briefly disconnect the connection to the Internet.

– If the router does not re-start, set the router on continuous operation as described in the router manual. The router needs to be in continuous operation so that the router can transmit its current IP address to the DynDNS service.

Set port forwarding

The port forwarding settings are necessary so that the router can forward accesses of port 80 to the IP address of your Sunny WebBox.

8. Access the settings page for port forwarding on the router. Open the page "Applications & Gaming/Port Range Forwarding" in the example.

9. In the router, enable access to the Sunny WebBox, the HTTP port (TCP 80-80), and the FTP port. Click the option "Enabled" as show in the figure in the example.
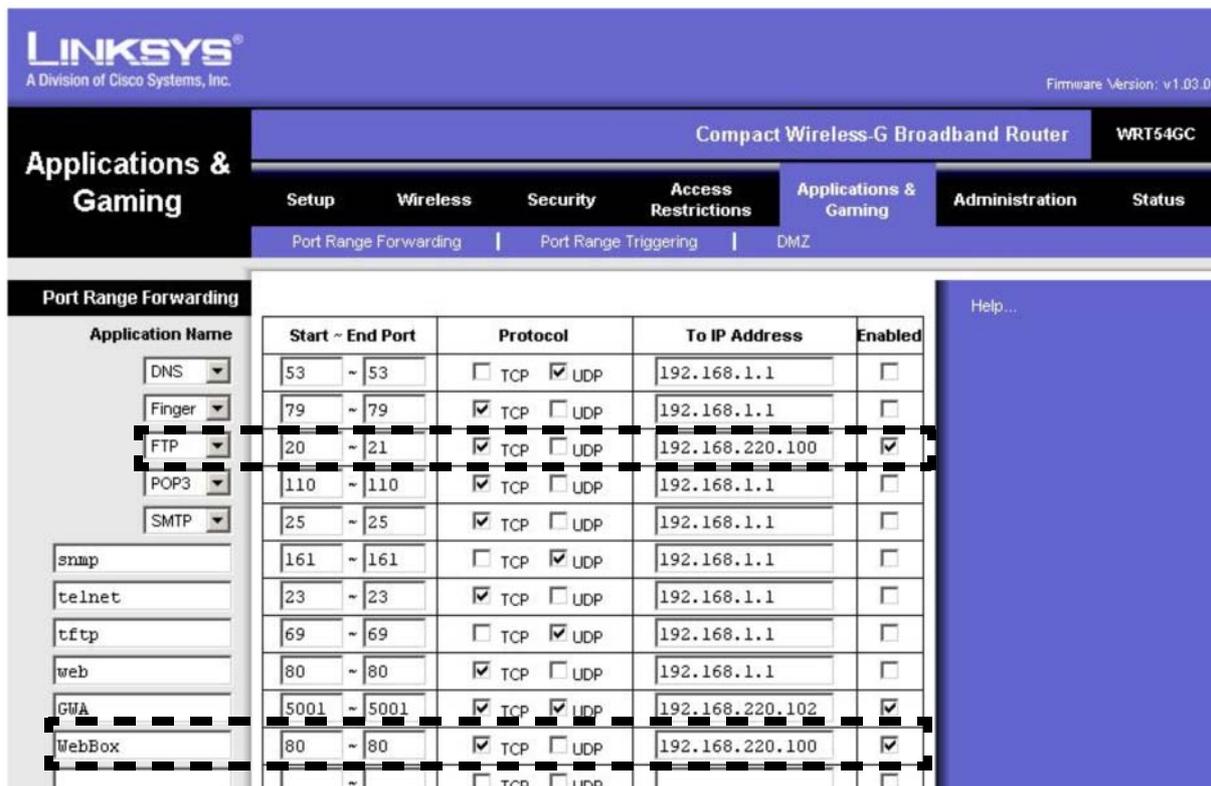
☑ The router is now set up for the DynDNS service.

You can now call up your Sunny WebBox from any computer via the Internet address that you have set up at the DynDNS service. In the example in this manual, this is the Internet address "wb08.homeip.net".

3   Troubleshooting

Problem	Cause	Corrective measures
No connection to the Sunny WebBox via the Internet address which has been set up.	A firewall is blocking the Sunny WebBox port.	In the firewall, enable access to the port that can access the Sunny WebBox.
	The router is not properly configured for port forwarding.	Check your router settings.
	The access data for the DynDNS service are not set properly in the router.	Check your router settings.