

DVMR DDNS Tutorial

- Please follow this guide, without skipping any steps
- Only DVR versions 1.13 and higher allow DDNS.
- Please read the DVMR TCP/IP tutorial and become familiar with the traditional TCP/IP setup prior to configuring DDNS.
- The Quick Start is listed below, followed by a more detailed walkthrough.

Quick Start

1. Ensure proper TCP/IP configuration on the DVMR, modem, and router. Help can be found online, please use the DVMR TCP/IP Tutorial guide for initial setup.
2. Register a username/password on the DDNS site www.g4ip.com
3. Register your DVR system under your newly created account on www.g4ip.com
4. Configure the DVR for DDNS setup
5. Check the website to ensure an update has been made.
6. Connect to the DVR system using the DDNS setup within the Remote Client Software.

Walkthrough

1. Register your DVR system on www.g4ip.com.
 - a. Please take note of the username and password that you create on this site.
 - b. After creating a username/password the main User Screen appears



Your user profile has been added to the system successfully.

Directions:

To change your user information click on "Modify User Information".

To add a new DVR click on "Add New DVR".

To Log Off click on "Log Off".

To edit your DVR settings please click on the DVR name. To view your DVR, please enter the appropriate information in the client software.

Ensure an IP is listed below prior to connecting via the client software. This will confirm that your DVR has authenticated with our servers.

To edit the DVR information (name, location, etc.) click on the "Edit" link next to the appropriate DVR.

To remove a DVR from the system click on the "Remove" link next to the appropriate DVR.

User Information

Username: security

Address:

First Name: John

Last Name: Doe

Email Address: johndoe@yahoo.com

Modify User Information

Add New DVR

Log Off

Current DVR Listing

Edit	IP	Port	Location	Last Modified
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There are currently no DVRs in your user profile.

- Next, Register your DVR. After accessing the main User Screen, click on Add New DVR and you will see the following page.



Enter / Modify DVR Information

Directions:

Add / change the DVR information for your account and click on "Continue" when finished. Click "Cancel" to go back and ignore any changes that you have made.

Note: The red asterik (*) denotes required data.

DVR Name can only contain letters, numbers, or dashes.
Spaces and other special characters are not permitted.

Name: *

MAC: *

Description:

State / Providence:

Country:

Optional Information

Information below this line does not have to be entered.

The IP and Port will normally be retrieved from the DDNS update (your system will automatically send the below information to this website). Optionally you may also enter / modify it now.

IP:

Port:

Lock this DVR so that dynamic updates will not be accepted.

Lock Flag : Yes No

- Assign a name to this DVR system (one word)
- Locate the MAC address of the DVR system, found in the TCP/IP setup of the DVR. Enter this MAC number (without the dashes) into the MAC field.
- All other fields are optional.
- For most cases, Do NOT complete the information listed in the Optional Information section. The Optional Information field is only used for special purposes. An example is found on the next page.

e. Complete DVR Registration Example



Enter / Modify DVR Information

Directions:

Add / change the DVR information for your account and click on "Continue" when finished. Click "Cancel" to go back and ignore any changes that you have made.

Note: The red asterik (*) denotes required data.

DVR Name can only contain letters, numbers, or dashes. Spaces and other special characters are not permitted.

Name: *

MAC: *

Description:

State / Providence:

Country:

Optional Information

Information below this line does not have to be entered.

The IP and Port will normally be retrieved from the DDNS update (your system will automatically send the below information to this website). Optionally you may also enter / modify it now.

IP:

Port:

Lock this DVR so that dynamic updates will not be accepted.

Lock Flag : Yes No

- Note the missing IP and Port number. This indicates that the DVR has not yet sent a successful update to the DDNS system. This is normal, you must configure the DVR for DDNS in order for an update to occur. That will be discussed in the next step.



Your DVR has been successfully added to the system.

Directions:

To change your user information click on "Modify User Information".

To add a new DVR click on "Add New DVR".

To Log Off click on "Log Off".

To edit your DVR settings please click on the DVR name. To view your DVR, please enter the appropriate information in the client software.

Ensure an IP is listed below prior to connecting via the client software. This will confirm that your DVR has authenticated with our servers.

To edit the DVR information (name, location, etc.) click on the "Edit" link next to the appropriate DVR.

To remove a DVR from the system click on the "Remove" link next to the appropriate DVR.

User Information

Username: security

Address:

First Name: John

Last Name: Doe

Email Address: johndoe@yahoo.com

[Modify User Information](#)

[Add New DVR](#)

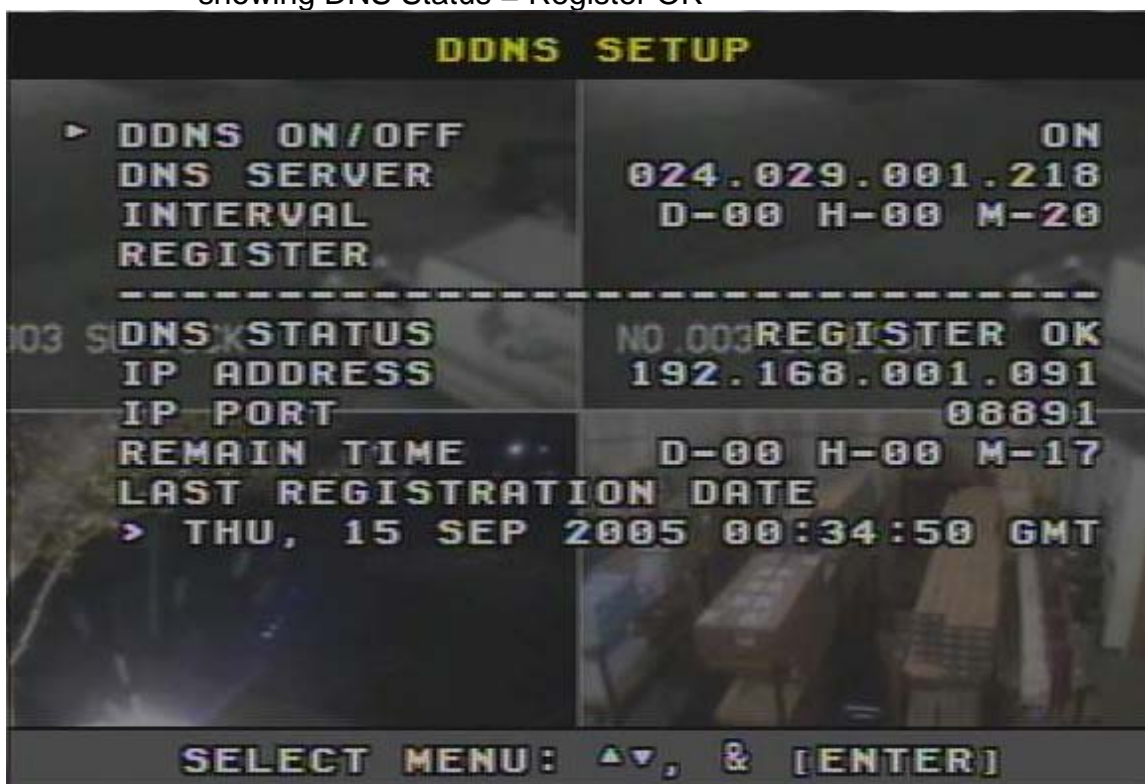
[Log Off](#)

Current DVR Listing

Edit	IP	Port	Location	Last Modified
parkinglot	<input type="text"/>	<input type="text" value="null"/>		September 14, 2005 08:31 PM

4. Configure the DVR for DDNS

- a. Main Menu -> External Device -> TCP/IP Setup -> DDNS Setup
- b. Set the DDNS option to ON
- c. DNS Server: You can leave this as default OR enter you own DNS server from your Internet Service Provider. After pressing enter for that entry, the DVR will attempt to connect to www.g4ip.com and update the DDNS system. If it is successful you will see a screen showing DNS Status = Register OK



- d. Interval Represents how often in Days, Hours, Minutes that the DVR will update the website. It is best to keep this around 20 minutes, unless your Public Internet IP address changes more frequently than every 20 minutes.
- e. IP Address and IP Port are displays the configured information locally on the machine. The IP address shown is not necessarily the IP address used for remote access. So you may ignore this field when concerning DDNS setup.

- f. Remain Time: This is how many days, hours, and minutes before the DVR sends an update to the DDNS Site.

5. Once a successful connection to the DDNS website is made, you can now login to your DDNS site using your username/password at www.g4ip.com and you will now notice that the DVR has sent an update with the proper and current IP address and Port number.



Your DVR has been successfully updated in the system.

Directions:

To change your user information click on "Modify User Information".

To add a new DVR click on "Add New DVR".

To Log Off click on "Log Off".

To edit your DVR settings please click on the DVR name. To view your DVR, please enter the appropriate information in the client software.

Ensure an IP is listed below prior to connecting via the client software. This will confirm that your DVR has authenticated with our servers.

To edit the DVR information (name, location, etc.) click on the "Edit" link next to the appropriate DVR.

To remove a DVR from the system click on the "Remove" link next to the appropriate DVR.

User Information				
Username: security			Address:	
First Name: John				
Last Name: Doe				
Email Address: johndoe@yahoo.com				

Modify User Information Add New DVR Log Off

Current DVR Listing				
Edit	IP	Port	Location	Last Modified
parkinglot	24.106.88.194	8891		September 14, 2005 09:19 PM
			Remove	

6. Next, we need to access the DVR system using the Remote Client Software. If you are on-site within the local network, simply use the DVR's private IP address and port. But, if you are accessing the unit from outside the local network or premise, please follow the below instructions to connect.
 - a. Install the Remote Client Software
 - b. Click the Setting Button on the Main Interface
 - c. Select the DDNS option on the IP/PORT tab
 - d. Click the DDNS tab
 - e. Enter your DDNS username that you registered on www.g4ip.com into the Group field.

- f. Enter your DVR name that you registered on www.g4ip.com into the Name field.
 - g. Please always use 'admin' in the User ID field.
 - h. Enter your DVR system's password into the Password field
 - i. Press Connect
- j. You will see that the Remote Client Software has connected successfully to www.g4ip.com and retrieved the proper/current IP address and Port number.

The image shows a screenshot of the 'RemoteViewer Setup' dialog box, specifically the 'DDNS' tab. The dialog has a blue title bar with a close button (X) in the top right corner. Below the title bar are three tabs: 'IP/PORT', 'DDNS', and 'PTZ/SAVE'. The 'DDNS' tab is selected. The 'DDNS INFO' section contains two text input fields: 'Group' with the value 'security' and a 'Save' button to its right; and 'Name' with the value 'parkinglot' and a 'Load' button to its right. The 'DVR INFO' section contains three text input fields: 'IP Address' with the value '24.106.88.194', 'User ID' with the value 'admin', and 'Password' with the value 'xxxxxx'. To the right of the 'IP Address' field is a port number field containing '8891'. A 'Connect' button is located to the right of the 'User ID' and 'Password' fields. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

- k. Click OK
- l. Click CONNECT on the main interface
- m. The connection information will stay the same upon closing the connection and retrying at a later time. You may have to follow steps a-l again to bring in the correct/current IP address if pressing the CONNECT button does not immediately initiate the connection to the DVR system (thus, the IP has changed and you need to pull the proper IP from the DDNS system again). A release may be available soon for automatic checking of the DDNS system upon pressing the CONNECT button on the main interface and this software update may be obtained from your DVR vendor.