

DHCP??

The DHCP system assigns IP addresses to your local devices. While the main configuration is on the setup page you can program some nifty special functions here.

DHCP????: Disabling here will disable DHCP on this router irrespective of the settings on the *Setup* screen.

?????: You can select here which domain the DHCP clients should get as their local domain. This can be the WAN domain set on the Setup screen or the LAN domain which can be set here.

LAN?: You can define here your local LAN domain which is used as local domain for DNSmasq and DHCP service if chosen above.

????: Assign certain hosts specific addresses here. This is also a way to add hosts to the router's local DNS service (DNSmasq).

Note: It is recommended but not necessary to set your static leases outside of your automatic DHCP address range. This range is 192.168.1.100-192.168.1.149 by default and can be configured under *Setup* -> *Basic Setup* : *Network Address Server Settings (DHCP)*.

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To assign the IP address 192.168.1.12 and the hostname "mypc" to a PC with a network card having the MAC address 00:AE:0D:FF:BE:56 you should press **Add** then enter **00:AE:0D:FF:BE:56** into the MAC field, **mypc** into the HOST field and **192.168.1.12** into the IP field.

Remember: If you press the 'Add' button before saving the entries you just made, they will be cleared. This is normal behavior in v24.

How to add static leases into dhcp by command

```
nvrnm set static_leasenum=X (where X is the total number of static leases)
nvrnm set static_leases="00:11:22:33:44:55=name1=IP-Address1 00:11:22:33:44:56=name2=IP-Address2"
```

If more than two...just keep adding them to the static_leases variable with a space between each.

Don't forget the double quotes...if you have any spaces (more than one lease) you must include the quotes to the variable.

redhawk

NOTE: Starting with build 13832 the format has changed to the following:

```
nvrnm set static_leasenum=X (where X is the total number of static leases)
nvrnm set static_leases="00:11:22:33:44:55=name1=IP-Address1= 00:11:22:33:44:56=name2=IP-Address2"
```

or

Static_DHCP/zh_cn

```
nvramp set static_leases="00:11:22:33:44:55=name1=IP-Address1= 00:11:22:33:44:56=name2=IP-Address2"
```

Note the '=' sign at the end of each lease. If you want to set static lease time then put a number after the last '=' to set time in minutes...in the second cases above a blank after the = sign means its an indefinite lease, 1440=24 hours.

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If you cannot ping a hostname, append a period to the end. I.e. instead of "ping server" try "ping server."

If the static reservations are visible, but your machines continue to get a normal DHCP IP try going to the Setup page. Hit Save and then Apply settings. The DHCP daemon should restart and you may lose connection briefly. Try renewing your DHCP lease and you should be getting the correct IP at this point.