

Remote Downloading Example

1. Find a router just like this



or a switch like this.



2. Connect a cable from the HMI to this device.
3. Log in the router
Activate your web browser and type in the IP address of the DI-604 into the *Address* (for IE) field and press "Enter." The default IP address of the DI-604 is **192.168.10.1**
For example: **http://192.168.10.1**



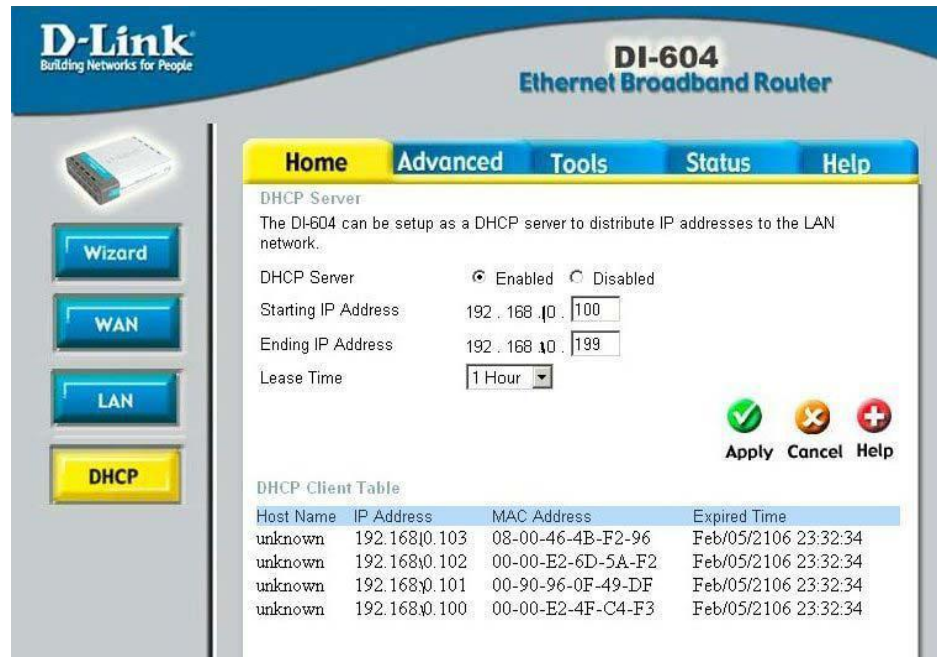
After the connection is established, the logon screen will pop up. To log in as an administrator, enter the username of "**admin**" and the password (there are no default password, leave it blank). Click the **OK** button. If the password is correct, the web-management interface will appear.



If either User Name or Password is input incorrectly, this dialog will appear again. Please double check the User Name and Password or ask somebody to get the correct User Name and Password.

4. Check the starting IP address and the ending IP address.

Move mouse to DHCP button on the left side, and press it.



Here are "Starting IP Address" and "Ending IP Address", They are from **192.168.10.100** to **192.168.10.199**.

5. Confirm your new IP address.

Choose an IP address which is not in the range of Starting end Ending IP Address, for example, 192.168.10.84

On any computer on the network, move mouse to
"Start→programs→accessories→command prompt"

Key in "ping 192.168.10.84"

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C:\Documents and Settings\bo.BO-COMPUTER>ping 192.168.10.84

Pinging 192.168.10.84 with 32 bytes of data:

Destination host unreachable.
Destination host unreachable.
Destination host unreachable.
Destination host unreachable.

Ping statistics for 192.168.10.84:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Documents and Settings\bo.BO-COMPUTER>_

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If "Destination host unreachable" appears, this IP address can be used. Otherwise, choose another IP address and repeat these steps.

6. Set IP Address on the HMI (BIOS)

Turn off the HMI. Set DIP switch 1 and 2 off. Leave all others on. Turn on the power again and the HMI enters in BIOS mode.

Setting→Ethernet

Use a confirmed IP address. Here is 192.168.10.84

Set "IP Address" to 192.168.10.84

Set "SUB Address" to 255.255.255.0

Press "Save" and "Quit"

7. Set IP Address on the HMI (OSAP)

Turn off the HMI. Set switch 1 off, leave all others on. Turn on the HMI again.

Find "General" or "Network" Button and press it. Set "IP Address" to 192.168.10.84.

Press "OK" to save the setting.

8. Again, go back to router set page. Press "Advance" Button on the top row and press "Virtual Server" on the left column.

The screenshot shows the D-Link DI-604 Ethernet Broadband Router web interface. The top navigation bar includes 'Home', 'Advanced' (selected), 'Tools', 'Status', and 'Help'. On the left sidebar, there are buttons for 'Virtual Server' (highlighted in yellow), 'Applications', 'Filters', 'Firewall', and 'DMZ'. The main content area is titled 'Virtual Server' and contains the following configuration options:

- ☐ Enabled ☐ Disabled
- Name: Clear
- Private IP:
- Protocol Type:
- Private Port:
- Public Port:
- Schedule: ☐ Always ☐ From time : AM to : AM day to

At the bottom right of the configuration area are three icons: a green checkmark, a red X, and a red plus sign.

Below the configuration area is a 'Virtual Servers List' table:

Name	Private IP	Protocol	Schedule
<input type="checkbox"/> Virtual Server FTP	0.0.0.0	TCP 21/21	always
<input type="checkbox"/> Virtual Server HTTP	0.0.0.0	TCP 80/80	always
<input type="checkbox"/> Virtual Server HTTPS	0.0.0.0	TCP 443/443	always
<input type="checkbox"/> Virtual Server DNS	0.0.0.0	UDP 53/53	always
<input type="checkbox"/> Virtual Server SMTP	0.0.0.0	TCP 25/25	always
<input type="checkbox"/> Virtual Server POP3	0.0.0.0	TCP 110/110	always
<input type="checkbox"/> Virtual Server Telnet	0.0.0.0	TCP 23/23	always
<input type="checkbox"/> IPSec	0.0.0.0	UDP 500/500	always
<input type="checkbox"/> PPTP	0.0.0.0	TCP 1723/1723	always

At the bottom right of the table are three icons: a green checkmark, a red X, and a red plus sign, with the text 'Apply Cancel Help' below them.

The DI-604 can be configured as a virtual server so that remote users accessing Web or FTP services via the public IP address can be automatically redirected to local servers in the LAN network.

Name: The name referencing the virtual service.

Private IP: The server computer in the LAN network that will be providing the virtual services.

Private Port: The port number of the service used by the Private IP computer.

Protocol Type: The protocol used for the virtual service.

Public Port: The port number on the WAN side that will be used to access the virtual service.

Schedule: The schedule of time when the virtual service will be enabled.

The schedule may be set to Always, which will allow the particular service to always be enabled. If it is set to Time, select the time frame for the service to be enabled. If the system time is outside of the scheduled time, the service will be disabled.

After finishing set, press "Apply" button on the bottom to save the new settings.

Name: Cermate Download

Private IP: 192.168.10.84

Protocol Type: TCP

Private Port: 3721

Public Port: 3721

Schedule: always

Name: Cermate FTP

Private IP: 192.168.10.84

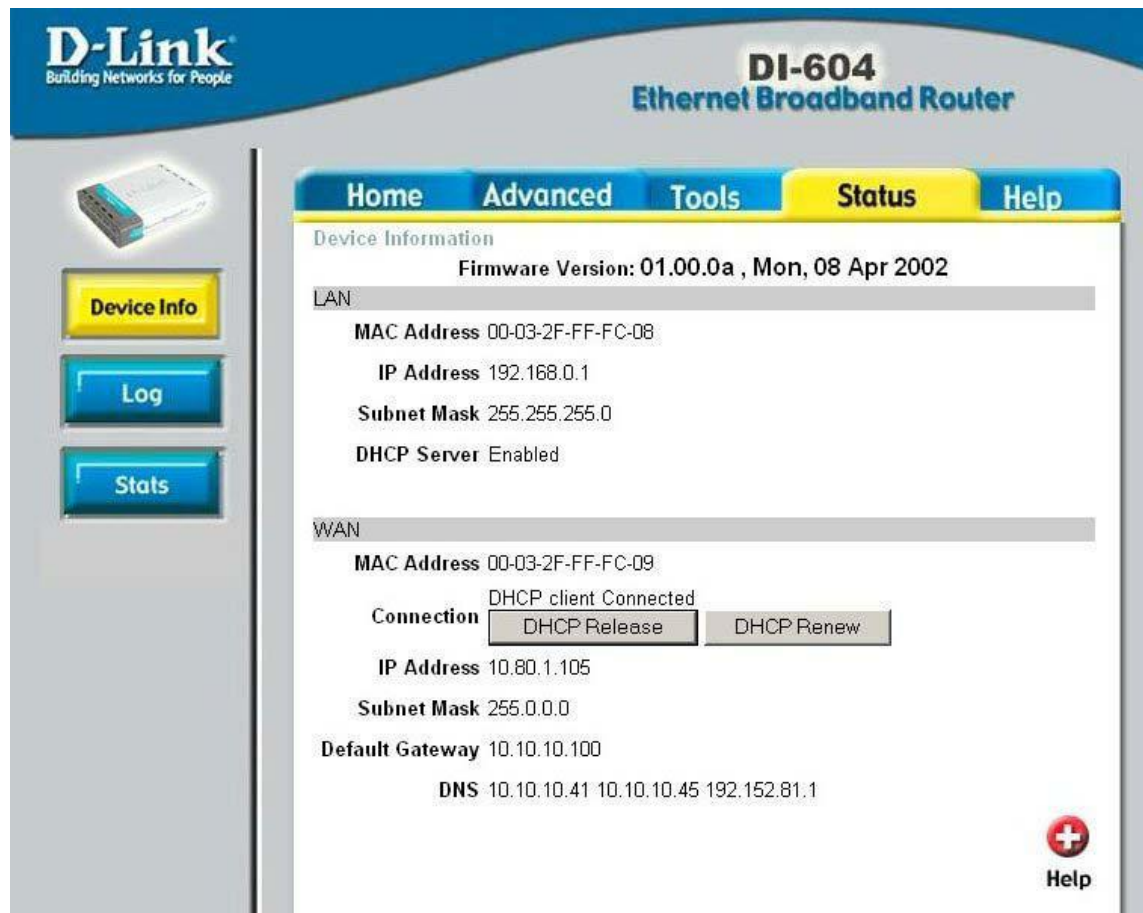
Protocol Type: TCP

Private Port: 21

Public Port: 21

Schedule: always

9. Get the external IP Address.



This is the router's working status. Pay a special attention to WAN area. Write down the IP Address. This is an Internet address which every one can visit it. In this example, it is 10.80.1.105.

10. Test this IP Address.

Run HMI. Go to Panel→Send Data to Panel→Ethernet→IP address. Enter the IP address which you got from router's status. The example is 10.80.1.105. And press the "Start" button to start downloading.

11. Release this IP address to any one who wants to use remote downloading function.

Basically, this is a dynamic IP address. It is going to keep same in a few days, even a few months. But it will be changed at any time. So please check it every time when download is needed.