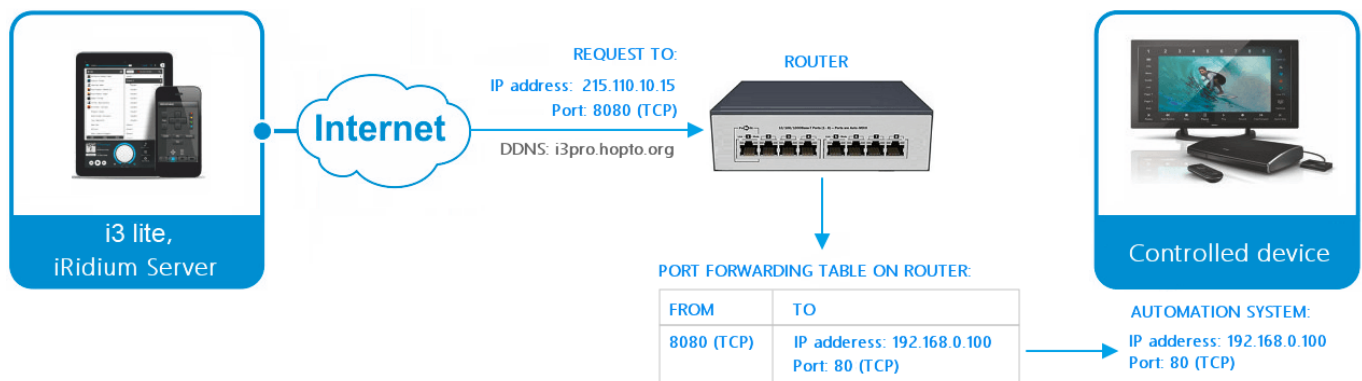


The NAT service provides transfer of data sent to the router from the external network to LAN. If rules of data transfer are not set up, commands will not be sent anywhere but your router.

NAT (Network Address Translation) - the service for translation of internal network IP-addresses to IP- addresses of the external network. Before you start to set up NAT, give the equipment you use static local IP-addresses

The principle of forwarding data from the external network to the internal one:



1. a remote device sends a command to the router address in the Internet and the "external" port of the equipment specified in the table of data forwarding
2. the router forwards the command to the device in the local network specified in the table of data forwarding
3. the command is executed by the device

The number of forwarding "rules" on the router has to be set up based on what devices of your network have to receive data or commands from the Internet.

Using the example of the D-Link router, let us set up one forwarding rule (every network device needs its own rule):



DIR-300	SETUP	ADVANCED	MAINTENANCE	STATUS	HELP
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ADVANCED PORT FORWARDING RULES

The Advanced Port Forwarding option allows you to define a single public port on your router for redirection to an internal LAN IP Address and Private LAN port if required. This feature is useful for hosting online services such as FTP or Web Servers.

24 - ADVANCED PORT FORWARDING RULES

Remaining number of rules that can be created: 14

			Port	Traffic Type
<input checked="" type="checkbox"/>	Name <input type="text" value="Application"/>	<input type="button" value="←←"/> <input type="text" value="Application Name"/>	Public Port <input type="text" value="8080"/> ~ <input type="text" value="8080"/>	<input type="text" value="TCP"/>
	IP Address <input type="text" value="192.168.0.100"/>	<input type="button" value="←←"/> <input type="text" value="Computer Name"/>	Private Port <input type="text" value="80"/> ~ <input type="text" value="80"/>	

Helpful Hints..

- Check the **Application Name** drop-down menu for a list of pre-defined applications that you can select from. If you select one of the pre-defined applications, click the arrow button next to the drop-down menu to fill out the appropriate fields.
- You can select your computer from the list of DHCP clients in the **Computer Name** drop-down menu, or enter the IP address manually of the computer you would like to open the specified port to.
- This feature allows you to open a range of ports to a computer on your network. To do so, enter

1. "IP Address" - the local IP-address of the device on which you want to send commands from the Internet
2. "Public Port" - the port where you need to send the command from the Internet so it would come to the device
3. "Private Port" - the real hardware port that receives commands (it can be different from "Public Port")
4. "Traffic Type" - the allowed protocol for connection between the sender and receiver of commands (TCP or UDP)