

Port Forwarding Guide

DSR-1000AC / DSR-500AC

Firmware 3.12



Configuration Steps:

- Create a new Service (in this example Remote Desktop on port 3389 TCP).
- Create a Firewall Rule for the required Service.

If the service you need to give access to (in this example it is Remote Desktop which uses port 3389 TCP) is not in the list of pre-defined standard services:

Go to *Security > Firewall > Custom Services*

The screenshot shows the D-Link web interface with the following elements:

- Navigation tabs: Status, Wireless, Network, VPN, Security, Maintenance.
- Breadcrumbs: Security » Firewall » Custom Services
- Text: "When you create a firewall rule, you can specify a service that is... you can create your own custom services. This page allows creatio... new service will appear in the List of Available Custom Services ta..."
- Section: Custom Services List
- Form: "Show 10 entries [Right click on record to get more options]"
- Table: A table with columns "Name", "Type", and "ICMP Ty".
- Status: "Showing 0 to 0 of 0 entries"
- Button: "Add New Custom Service" (highlighted with a red box)
- Dropdown Menu: A menu is open with the following items: Authentication, Internal User Database, External Auth Server, Login Profiles, Web Content Filter, Static Filtering, Firewall, Firewall Rules, Schedules, Blocked Clients, Custom Services (highlighted), ALGs, VPN Passthrough, Dynamic Port Forwarding, Attack Checks, Intel® AMT, IPS.

Add a new Service: In this example we add Remote Desktop with TCP port 3389.

Custom Services Configuration

Name	<input type="text" value="Remote_Desktop"/>
Type	<input type="text" value="TCP"/>
Port Type	<input checked="" type="radio"/> Port Range <input type="radio"/> Multiple Ports
Source Start Port	<input type="text" value="1"/> [Range: 1 - 65535]
Source Finish Port	<input type="text" value="65535"/> [Range: 1 - 65535]
Destination Start Port	<input type="text" value="3389"/> [Range: 1 - 65535]
Destination Finish Port	<input type="text" value="3389"/> [Range: 1 - 65535]

Custom Services List

Show entries [Right click on record to get more options]

Name	Type	Source Port Range	ICMP Type / Destination Port Range
Remote_Desktop	TCP	1-65535	3389-3389

Showing 1 to 1 of 1 entries

First

Go to *Security > Firewall > Firewall Rules*.

The screenshot shows the D-Link web interface with the following elements:

- Navigation Bar:** Status, Wireless, Network, VPN, Security, Maintenance.
- Breadcrumbs:** Security » Firewall » Firewall Rules » IPv4 Firewall Rules.
- Sub-headers:** IPv4 Firewall Rules, IPv6 Firewall Rules, Bridge Firewall.
- Text:** A firewall is a security mechanism to selectively block or allow ce... You can use this page to manage the firewall rules that control tr... all firewall rules for this device and allows several operations on...
- Section Header:** Firewall Rules.
- Policy:** Default Outbound Policy for IPv4. Always Allow
- Dropdown Menu (over Security tab):**
 - Authentication
 - Internal User Database
 - External Auth Server
 - Login Profiles
 - Web Content Filter
 - Static Filtering
 - Firewall
 - Firewall Rules (highlighted)
 - Schedules
 - Blocked Clients
 - Custom Services
 - ALGs
 - VPN Passthrough
 - Dynamic Port Forwarding
 - Attack Checks
 - Intel® AMT
 - IPS

Add a new Rule:

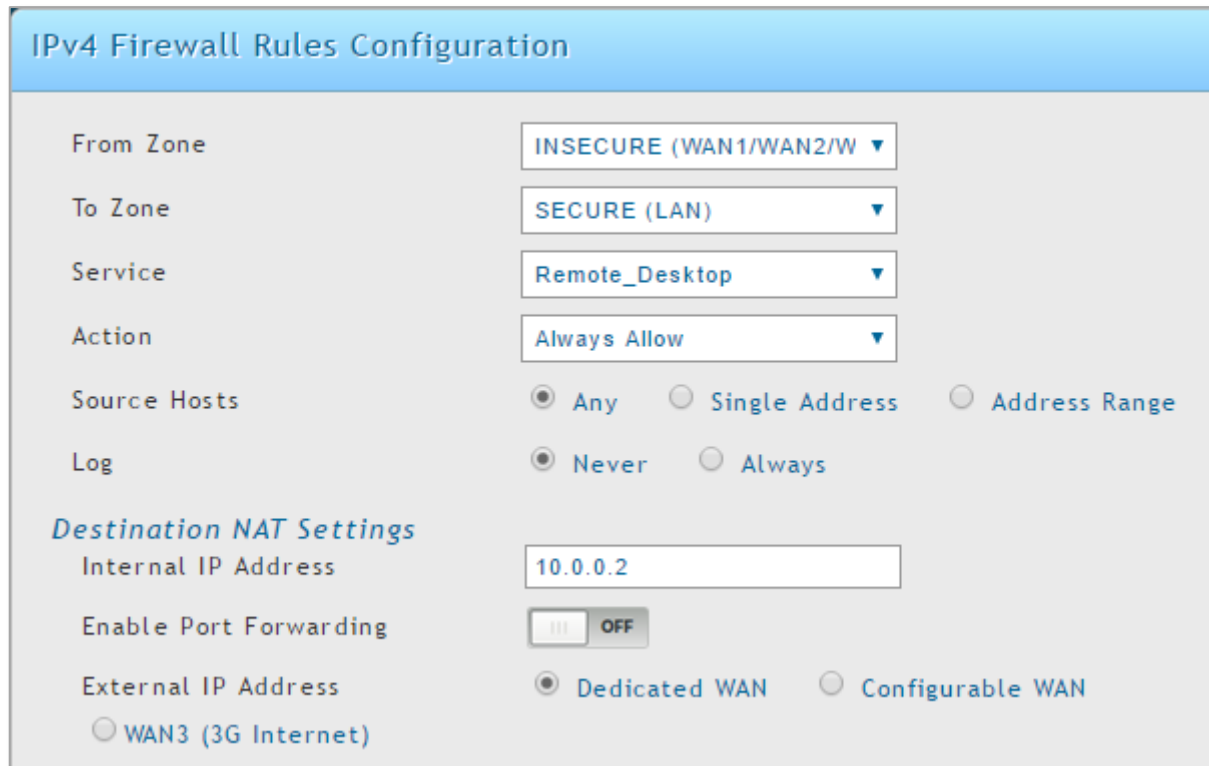
From Zone: **Insecure (WAN)**

To Zone: **Secure (LAN)**

Service: **Remote Desktop** (the service ports that we added in the previous step)

Action: **Always Allow**

Internal IP Address: **10.0.0.2** in our example (the IP address of the device on your Lan you are forwarding incoming requests to).



The screenshot shows the 'IPv4 Firewall Rules Configuration' window. It contains several configuration fields and options:

- From Zone:** INSECURE (WAN1/WAN2/W) (dropdown menu)
- To Zone:** SECURE (LAN) (dropdown menu)
- Service:** Remote_Desktop (dropdown menu)
- Action:** Always Allow (dropdown menu)
- Source Hosts:** Radio buttons for Any (selected), Single Address, and Address Range.
- Log:** Radio buttons for Never (selected) and Always.
- Destination NAT Settings:**
 - Internal IP Address:** 10.0.0.2 (text input field)
 - Enable Port Forwarding:** OFF (toggle switch)
 - External IP Address:** Radio buttons for Dedicated WAN (selected), Configurable WAN, and WAN3 (3G Internet).