

Trimble NetR5, NetR8, NetR9 - Using IP filtering

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Purpose

This guide explains how to enable IP filtering on Trimble NetR5, NetR8 and NetR9 receivers. IP filtering is recommended for increasing network security on receivers that are used outside secure network firewalls. By filtering IP traffic to the receiver, many common network attacks (NTP, FTP, DNS) can be prevented by limiting connections to trusted IP addresses.

How to enable IP filtering

The IP filtering control panel is located in Network Configuration -> IP Filtering.

IP Filtering

Enable:

IP Address	Bits : Netmask
69 . 44 . 86 . 0	23 : 255.255.254.0
10 . 0 . 0 . 0	8 : 255.0.0.0
69 . 44 . 86 . 2	Disabled
69 . 44 . 86 . 2	Disabled
69 . 44 . 86 . 2	Disabled

Browser IP Address : 69.44.86.2

OK

Cancel

- Receiver Status
- Satellites
- Web Services
- Data Logging
- Receiver Configuration
- I/O Configuration
- Bluetooth
- OmniSTAR
- Network Configuration
 - Summary
 - Ethernet
 - DNS Configuration
 - PPP
 - Routing Table
 - IP Filtering
 - E-Mail Client
 - E-Mail Alerts
 - HTTP
 - Proxy
 - FTP
 - Configure TCC
 - NTP
 - VFD
 - DDNS Client
 - Zeroconf/UPnP
- Security
- Firmware
- Programmatic Interface
- Help

Enter all of the IP addresses that will need access to the receiver. Specify the required [Netmask](#) for each address. Then select 'OK' to save the changes.

Note: If you do not add your current address to the IP address list, you will no longer be able to access the receiver from that address after selecting 'OK'.

For your convenience the IP Filtering control panel displays your current IP address at the bottom of the pane. You can also determine the address of any computer by opening a browser and navigating to ipchicken.com.

Implications

If the server address for each of the following services is not included in the allowed IP space, then IP filtering may prevent those services from functioning correctly. We recommend testing each of the following services after enabling IP filtering to verify that they still function correctly.

1. DNS
2. FTP Push
3. DDNS Client
4. I/O Configuration (input streams; e.g. RTCM)
5. Email Client/Alerts

Online URL: <https://kb.unavco.org/article/trimble-netr5-netr8-netr9-using-ip-filtering-802.html>