

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>