

# UNAVCO standard configuration file for the NetR9

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This UNAVCO configuration file for the NetR9 is intended for use with firmware version 5.44. Configuration files for previous firmware versions can be found below.

Note: L2C and L5 tracking is enabled in 5.22 and forward configuration files. For firmware versions preceding 4.93 L2C and L5 tracking were disabled. This change could increase file sizes and bandwidth usage.

We recommend that users who plan to install receivers on public networks utilize IP filtering to increase their network security. IP filtering is disabled by default in this configuration file.

## The configuration file can be uploaded to the receiver through the web interface:

1. Select Receiver Configuration
2. Select Application Files
3. Choose Upload Install Clone File from the Operation menu.
4. Select the configuration file that you would like to upload.
5. Select "OK"

Note #1: After uploading the configuration file you may then enable/disable additional features with caution through the Receiver Configuration menu. Please refer to the user guide, which is available for download on the [NetR9 resource page](#), for additional information regarding configuration.

Note #2: We recommend the use of security features such as password protection and IP filtering that must be carefully configured and applied by each user and are not enabled in this configuration file.

Note #3: GNSS Tracking and Logging (GLONASS, Galileo, BeiDou, QZSS) are not enabled in this configuration.

Note #4: Specific information regarding the configuration of NetR9 for Polar Applications is available at the [Remote Station Engineering Page](#)

## UNAVCO Standard Configuration Summary:

Elevation Mask:0°  
PDOP Mask:99  
Horizontal Precision:0.30 [m]  
Vertical Precision:0.30 [m]  
Clock Steering:Enabled  
Everest™ Multipath Mitigation:Disabled  
Signal Tracking Bandwidth:Wide  
Antenna ID:185  
Antenna Type:Zephyr Geodetic 2  
Antenna Measurement Method:Antenna Phase Center  
Antenna Height:0.0000 [m]  
1 PPS On/Off:Disabled  
External Frequency Available:Undetected  
RTK Mode:Low Latency  
Receiver Motion:Kinematic  
RTK Engine Motion:Kinematic  
CMR Input Filter:Disabled  
Reference Latitude:0°00'00.00000"N  
Reference Longitude:0°00'00.00000"E  
Reference Height:0.000 [m]  
CMR ID:0  
Station Name:NULLNAME  
Ethernet IP:192.168.1.2  
System Name:Trimble  
DNS Resolved Name:---

## Sessions installed with this clone file:

Session Name	Sample Rate	Duration	Enabled	Pool	File System	Path Style	Name Style	FTP Push	Email Push
DEFAULT	15 sec	1440 min	No	Delete when full 1000 MB (~ 1000 days)	Internal	YYYYMM/Session	#####YYYYMMDDhhmm	No	No
A	30 sec	1440	Yes	Delete when full	Internal	YYYYMM/Session	#####YYYYMMDDhhmm	No	No

		min		2000 MB (~800 days)					
B	1 sec	60 min	Yes	Delete when full 1500 MB (~36 days)	Internal	YYYYMM/Session	#####YYYYMMDDhhmm	No	No
a_ext	30 sec	1440 min	No	Delete when full 2000 MB (~800 days)	External	YYYYMM/Session	#####YYYYMMDDhhmm	No	No
b_ext	1 sec	60 min	No	Delete when full 2000 MB (~48 days)	External	YYYYMM/Session	#####YYYYMMDDhhmm	No	No

Note: The external sessions (a\_ext and b\_ext) will not log data unless an external drive is plugged into the receiver's mini usb port and the session is enabled.

## Tracking

GPS	L1 - CA	Enabled
GPS	L2E - L2C and L2E	Enabled
GPS	L2C - CM + CL	Enabled
GPS	L5 - I + Q	Enabled
SBAS	L1 - C/A	Enabled
SBAS	L5	Enabled
GLONASS	L1 - C/A	Enabled
GLONASS	L1 - P	Enabled
GLONASS	L2 - C/A(M) and P	Enabled
GLONASS	L3 (Data and Pilot)	Enabled
Galileo	E1	Enabled
Galileo	E5 - A	Enabled
Galileo	E5 - B	Enabled
Galileo	E5 - AltBOC	Enabled
BeiDou	E1	Enabled
BeiDou	B2	Enabled
BeiDou	B3	Enabled
QZSS	L1 - C/A	Enabled
QZSS	L1 - SAIF	Enabled
QZSS	L1C	Enabled
QZSS	L2C	Enabled
QZSS	L5	Enabled
QZSS	LEX (Pilot)	Enabled

## General

- Internal Battery UPS: Enable
- UPS Timeout (seconds): 35
- Battery Charging Mode: When ON
- Battery Charging Voltage: Programmable
- Battery Charging Minimum: 13.5 V
- Power Over Ethernet: Disable
- Power On Voltage: 11.0 V
- Shutdown Voltage: Enable; 9.5 V

- VFD Configuration: Enable
- VFD Power Saver: Enable
- VFD Brightness: 25%
- VFD Rotation: Disable
- VFD Suppress Warning Message: Enable (Note: When the Visual Front Display is on, the receiver uses an extra 1W of power)

## Language

- English

## Network Configuration

- DHCP Status: Off
- Ethernet IP: 192.168.1.2
- HTTP Server Port: 80
- IP Setup: Static IP
- Netmask: 255.255.255.0
- Broadcast: 192.168.1.255
- Gateway: 192.168.1.1
- Force DNS Address: yes
- DNS Address: 4.2.2.1
- DNS Domain: not set
- Hostname: undefined
- MTU: 1500

## Configuration files for previous firmware versions:

- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.37](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.33](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.30](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.22](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.20](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.10](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.03](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 5.01](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 4.93](#)
- [UNAVCO standard configuration file for the Trimble NetR9 receiver - FW 4.85](#)

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