

# UNAVCO POLAR RECEIVER CONFIGURATION FORM

Receiver **TRIMBLE NETR9**  
 Firmware **4.93**

Config. Form Version **1.0**  
 Date **March 11, 2015**

Project / Network

System ID

Configured by

Upon completion this hardcopy is placed in network folder with the Polar Network Engineer.

## TRIMBLE NETR9

Date

UNAVCO ID

Serial Number

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### SETTING

### POLAR DEFAULT

### ACTUAL

Commonly modified settings are shown in *RED Italics*.

## Receiver Status

### Identity

*System Name*

*NAME*

\_\_\_\_\_

### Receiver Options

Firmware Warranty Date

5 years from purchase

L2E Tracking installed

Yes

\_\_\_\_\_

L2C Tracking installed

Yes

\_\_\_\_\_

Data Logging installed

4GB

\_\_\_\_\_

Prog. Interface installed

Yes

\_\_\_\_\_

## Satellites

### GPS Enable/Disable

Enable

All checked

\_\_\_\_\_

Ignore Health

All NOT checked

\_\_\_\_\_

### SBAS Satellite Enable/Disable

Setting

All Off

\_\_\_\_\_

## Data Logging

### File System /Internal

Size	4GB	_____
Available	3.9GB approx..	_____
Autodelete	NOT checked	_____

### File System /External (only if a 4GB USB thumb drive is installed)

Size	4GB	_____
Available	3.9GB approx..	_____
Autodelete	NOT checked	_____

### Session DEFAULT

Disabled \_\_\_\_\_

### Session 1hr\_30s

*Enabled* \_\_\_\_\_

Session Name 1hr\_30s \_\_\_\_\_

*Enable* *Checked* \_\_\_\_\_

Schedule Continuous \_\_\_\_\_

Duration 60 Minutes \_\_\_\_\_

*Measurement Interval* *30 sec.* \_\_\_\_\_

Smooth Pseudorange NOT Checked \_\_\_\_\_

Smooth Phase NOT Checked \_\_\_\_\_

Include Doppler NOT Checked \_\_\_\_\_

Position Interval 10 Min. \_\_\_\_\_

Log Received Corrections NOT Checked \_\_\_\_\_

Log Raw Nav Data NOT Checked \_\_\_\_\_

Log SBAS Data NOT Checked \_\_\_\_\_

File System /Internal \_\_\_\_\_

Path Style YYYYMM/DD \_\_\_\_\_

Name Style SystYYYYMMDDHHmm \_\_\_\_\_

Suffix A \_\_\_\_\_

*Pool* *Delete When Full* \_\_\_\_\_

*Pool* *1900MB* \_\_\_\_\_

**NOTE** with these settings the NetR9 will write files until the disk fills to this amount. At that point it will delete the oldest files to maintain free disk space.

**NOTE** new stations are set to Stop When Full.

FTP Push Off \_\_\_\_\_

Email Push NOT Checked \_\_\_\_\_

Session 24hr\_int

Session Name	24hr_int	_____
<i>Enable</i>	<i>Checked</i>	_____
Schedule	Continuous	_____
Duration	1440 Minutes	_____
<i>Measurement Interval</i>	<i>30 sec.</i>	_____
Smooth Pseudorange	NOT Checked	_____
Smooth Phase	NOT Checked	_____
Include Doppler	NOT Checked	_____
Position Interval	10 Min.	_____
Log Received Corrections	NOT Checked	_____
Log Raw Nav Data	NOT Checked	_____
Log SBAS Data	NOT Checked	_____
File System	/Internal	_____
Path Style	YYYYMM/DD	_____
Name Style	SystYYYYMMDDHHmm	_____
Suffix	B	_____
<i>Pool</i>	<i>Delete When Full</i>	_____
<i>Pool</i>	<i>1900MB</i>	_____

**NOTE** with these settings the NetR9 will write files until the disk fills to this amount. At that point it will delete the oldest files to maintain free disk space.

**NOTE** new stations are set to Stop When Full.

FTP Push	Off	_____
Email Push	NOT Checked	_____

Session 24hr\_ext

Session Name	24hr_ext	_____
<i>Enable</i>	<i>Checked</i>	_____
Schedule	Continuous	_____
Duration	1440 Minutes	_____
<i>Measurement Interval</i>	<i>30 sec.</i>	_____
Smooth Pseudorange	NOT Checked	_____
Smooth Phase	NOT Checked	_____
Include Doppler	NOT Checked	_____
Position Interval	10 Min.	_____
Log Received Corrections	NOT Checked	_____
Log Raw Nav Data	NOT Checked	_____
Log SBAS Data	NOT Checked	_____
File System	/External	_____
Path Style	YYYYMM/DD	_____
Name Style	SystYYYYMMDDHHmm	_____
Suffix	C	_____
<i>Pool</i>	<i>Delete When Full</i>	_____
<i>Pool</i>	<i>3900MB</i>	_____

**NOTE** with these settings the NetR9 will write files until the disk fills to this amount. At that point it will delete the oldest files to maintain free disk space.

**NOTE** new stations are set to Stop When Full.

FTP Push	Off	_____
Email Push	NOT Checked	_____



## Power Saving

Power Off When Not Logging	NOT Checked	_____
<u>RINEX Header Info</u>		
Observer Name	UNAVCO	_____
Agency Name	UNAVCO	_____
<u>FTP Push</u>	N/A	_____

## **Receiver Configuration**

<u>Antenna</u>		
<i>Antenna Type</i>		_____
<i>RINEX Name</i>		_____
<i>Antenna Serial Number</i>		_____
<i>Radome Serial Number</i>		_____
<i>Antenna Measurement Method</i>		_____
<i>Antenna Height (m)</i>		_____
<i>Apply Antenna Correction RTCM V3</i>	<i>NOT Checked</i>	_____

<u>Reference Station</u>		
RTCM 2.x ID	N/A	_____
RTCM 3.x ID	N/A	_____
<i>Station Name</i>	<i>NAME</i>	_____
All Other Options	N/A	_____

<u>Tracking</u>		
Elevation Mask	7	_____
Everest	Disable	_____
Clock Steering	Enable	_____
GPS L1-CA Enable	Checked	_____
GPS L2E Enable	Checked	_____
GPS L2E Options	L2C and L2E	_____
GPS L2C Enable	Checked	_____
GPS L2C Options	CM + CL	_____
GPS L5 Enable	NOT Checked	_____
SBAS L1 – C/A Enable	NOT Checked	_____
SBAS L5 Enable	NOT Checked	_____

<u>Correction Controls</u>	N/A	_____
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<u>Position</u>		
PDOP Mask	99	_____
All Other Options	N/A	_____

<u>General</u>		
External Frequency	Disable	_____
1 PPS On/Off	Disable	_____
Internal Battery UPS	Disable	_____
UPS Timeout (seconds)	35	_____
Battery Charging Mode	When ON	_____
Battery Charging Voltage	Programmable	_____
Battery Charging Minimum	13.00 Volts	_____
Power Over Ethernet	Disable	_____
Ethernet Battery Charging	Disable	_____
Power On Voltage	12.50 Volts	_____

Shutdown Voltage	Enable	_____
Shutdown Voltage	10.50 Volts	_____
<b>NOTE</b> 10.50 Volts is setting when powering NetR9 through an 11.0V LVD		
11.00 Volts is setting when powering NetR9 directly from batteries		
Shutdown Override	Disable	_____
VFD Configuration	Enable	_____
VFD Power Saver	Enable	_____
Power Saver Timeout (seconds)	60	_____
VFD Suppress Warning Msg.	Enable	_____
VFD Brightness	25%	_____
VFD Rotation	Disable	_____

Application Files Create, download and save clone file after configuration complete. See end of form.

Reset N/A \_\_\_\_\_

Default Language English \_\_\_\_\_

**I/O Configuration** N/A \_\_\_\_\_

**OmniSTAR**

Configuration

Preferred Source of Data N/A \_\_\_\_\_

External OmniSTAR Data Don't Use \_\_\_\_\_

All Options N/A \_\_\_\_\_

**Network Configuration**

Ethernet

IP Setup Static IP \_\_\_\_\_

IP Address 192.168.1.2 \_\_\_\_\_

Netmask 255.255.255.0 \_\_\_\_\_

Gateway 192.168.1.1 \_\_\_\_\_

Hostname N/A \_\_\_\_\_

MTU 1500 \_\_\_\_\_

DNS Configuration

Force DNS Address NOT Checked \_\_\_\_\_

DNS Address N/A \_\_\_\_\_

Sec DNS Addr N/A \_\_\_\_\_

DNS Domain N/A \_\_\_\_\_

DNS Proxy N/A \_\_\_\_\_

PPP N/A \_\_\_\_\_

Routing Table

Change Default Route N/A \_\_\_\_\_

Add a Route N/A \_\_\_\_\_

Network Address Translation Disable \_\_\_\_\_

IP Filtering Enable N/A \_\_\_\_\_

RTPD Server N/A \_\_\_\_\_

E-mail Client N/A \_\_\_\_\_

E-mail Alerts

Enable	NOT Checked
To E-Mail Address	N/A
All Options	N/A

HTTP

HTTP Enable	Checked
HTTP Server Port	80
HTTP Secure Enable	Checked
HTTP Secure Port	443

Proxy

Enable HTTP Proxy	NOT Checked
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FTP

FTP Server Enable	Checked
FTP Server Port	21

Configure TCC

N/A

NTP

External Time Servers	N/A
Enable NTP Client	NOT Checked
Enable NTP Server	NOT Checked
Reference Clock Offset	N/A

VFD

Enable	NOT Checked
VFD Server Port	N/A

DDNS Client

Enable	NOT Checked
All Options	N/A

Zeroconf/UPnP

Enable Zeroconf service...	NOT Checked
Enable UPnP service discovery	NOT Checked
Forward HTTP	NOT Checked
Forward FTP	NOT Checked
Forward IO	None

## Security

### Configuration:

Security

Disabled

\_\_\_\_\_

All Options

N/A

\_\_\_\_\_

## Firmware

### Install:

Active Firmware Version

4.93

\_\_\_\_\_

### FW Upgrade Check

Enable

NOT Checked

\_\_\_\_\_

## Programmatic Interface

N/A

**Note:** Programmatic Interface should be activated on all NetR9. If it is not, a code will be needed to activate it.

### **Create Clone File**

*Filename*

\_\_\_\_\_

Include system name and date in filename, i.e. NAME\_2015-03-11.xml

### **Download and save Clone File**

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