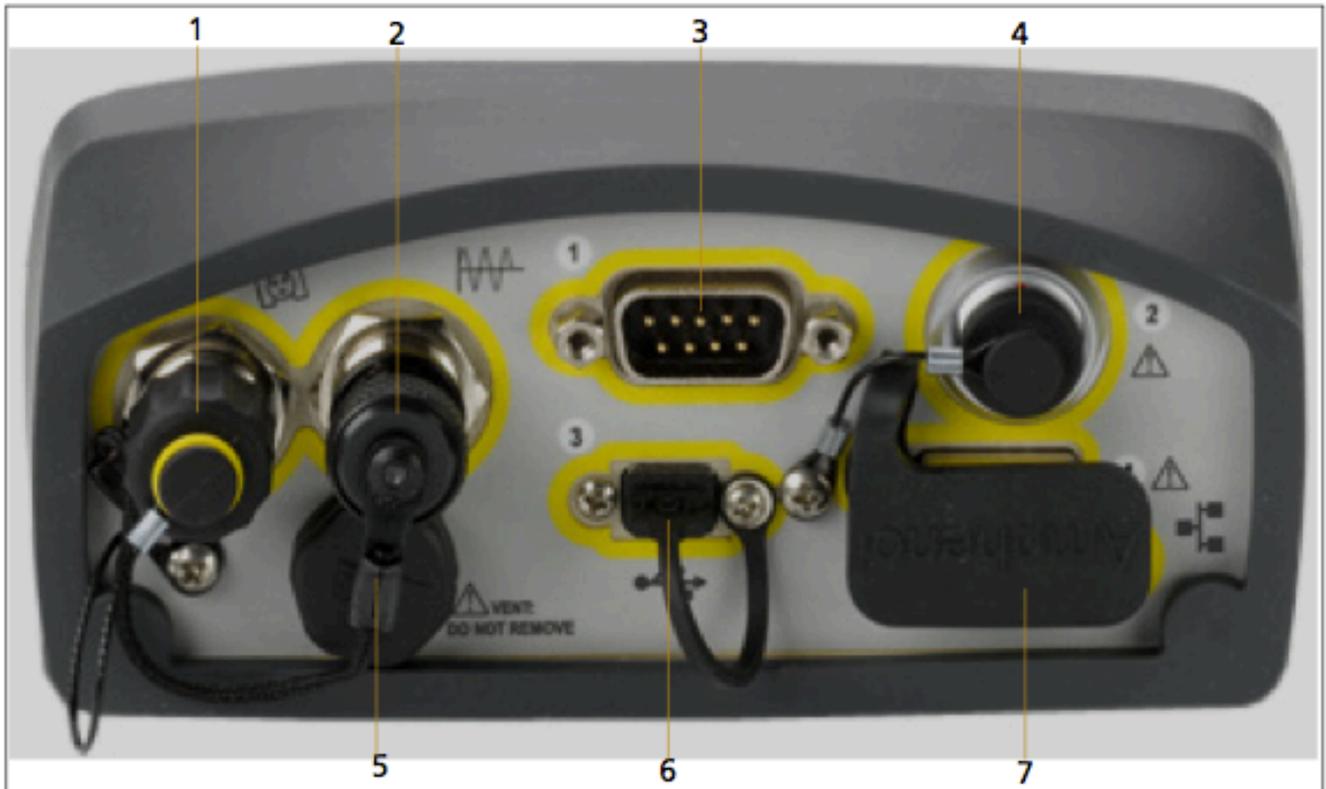# Trimble NetR9 - How to enable an external frequency source

779 Henry Berglund February 27, 2014 [Trimble NetR9](#) 3077

To fully enable an external frequency source:

1) Attach a 10MHz external frequency source to the BNC port (2) on the rear of the receiver.

2) Disable clock steering (Receiver Configuration -> Tracking -> Clock Steering)

Tracking

Elevation Mask [0] °

Everest™ [Disable ‡]

Clock Steering [Disable ‡]

Type	Signal	Enable	Options
GPS	L1 - CA	✔	
GPS	L2 - Legacy	✔	[L2 – CS and Legacy ‡]
GPS	L2 - CS	✔	[CM + CL ‡]
GPS	L5	✔	[I + Q ‡]
SBAS	L1 - C/A	✔	
SBAS	L5	✔	
GLONASS	L1 - C/A	✔	
GLONASS	L1 - P	✔	
GLONASS	L2 - C/A(M)	✔	
GLONASS	L2 - P	✔	[L2 – C/A(M) and P ‡]
GLONASS	L3	✔	[Data + Pilot ‡]
Galileo	E1	✔	
Galileo	E5 - A	✔	
Galileo	E5 - B	✔	
Galileo	E5 - AltBOC	✔	

3) Enable External Frequency (Receiver Configuration -> General -> External Frequency)

General

Receiver Status
Satellites
Web Services
Data Logging
Receiver Configuration
Summary
Antenna
Reference Station
Tracking
Correction Controls
Position
Position Monitoring
General
Application Files
Reset
Default Language
I/O Configuration
Bluetooth
OmniSTAR
Network Configuration
Security
Firmware
Programmatic Interface
Help

Event 1 On/Off [Disable ≑]   Event 1 Slope [Positive ≑]
External Frequency [Enable ≑] [Source Detected]
1PPS On/Off [Enable ≑]

Internal Battery UPS [Enable ≑]
Battery Charging Mode [When ON ≑]
Battery Charging Voltage [Programmable ≑]
Battery Charging Minimum [15.000] Volts. Range: 10.8V-15.0V. Default:12.0V
Power Over Ethernet [Disable ≑]   Ethernet Battery Charging [Disable ≑]
Power On Voltage [11.00] Volts. Range: 10.8V-15.0V. Default:11.8V
Shutdown Voltage [Enable ≑]
[9.500] Volts. Range: 9.5V-15.0V. Default:10.5V
Shutdown Override [Disable ≑]

VFD Configuration [Enable ≑]
VFD Power Saver [Enable ≑]
VFD Suppress Warning Msg [Disable ≑]
VFD Brightness [25% ≑]
VFD Rotation [Disable ≑]

[OK] [Cancel]

Online URL:
https://kb.unavco.org/article/trimble-netr9-how-to-enable-an-external-frequency-source-779.html