# Trimble NetR9 - How to enable an external frequency source

## 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.
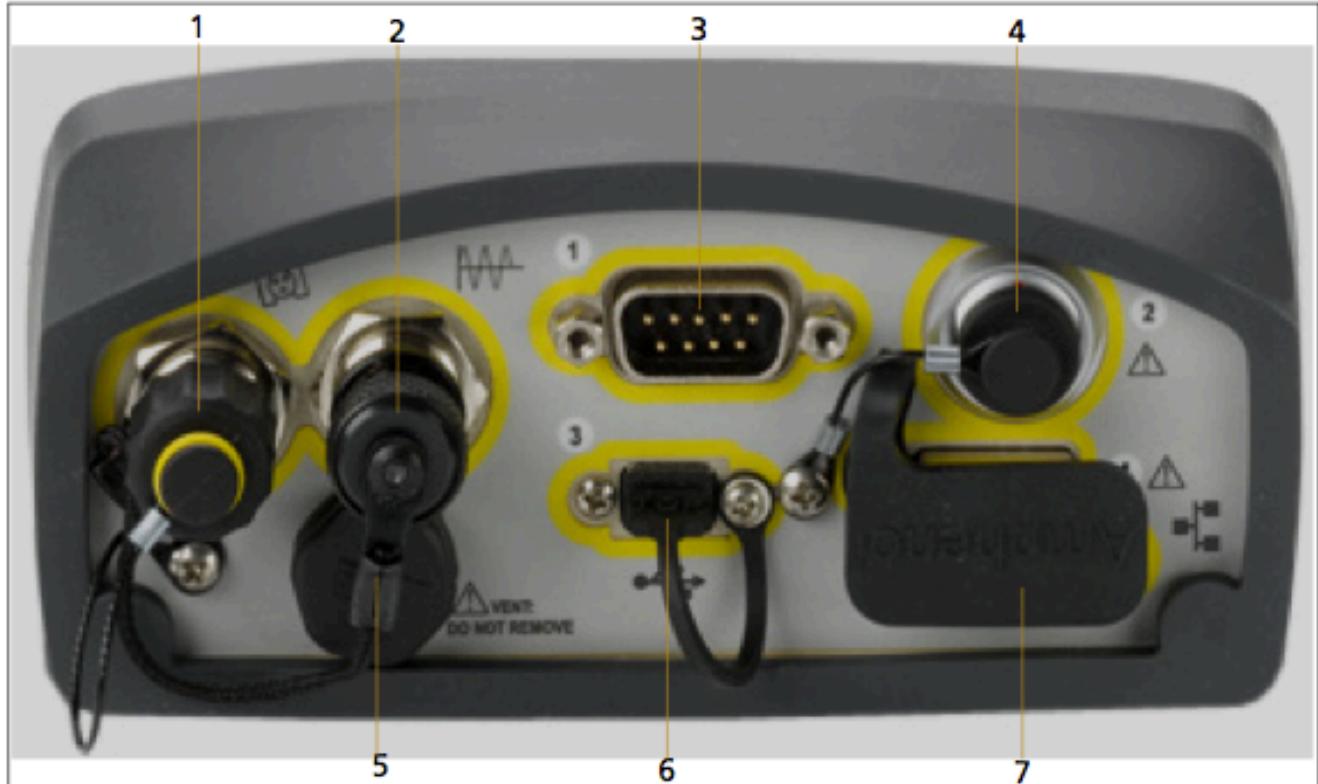


2) Disable clock steering (Receiver Configuration -> Tracking -> Clock Steering)

# Tracking

**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**

Elevation Mask [ 0 ] °
Everest$^{TM}$ [ 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

| | | | |
|---|---|---|---|
| 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