

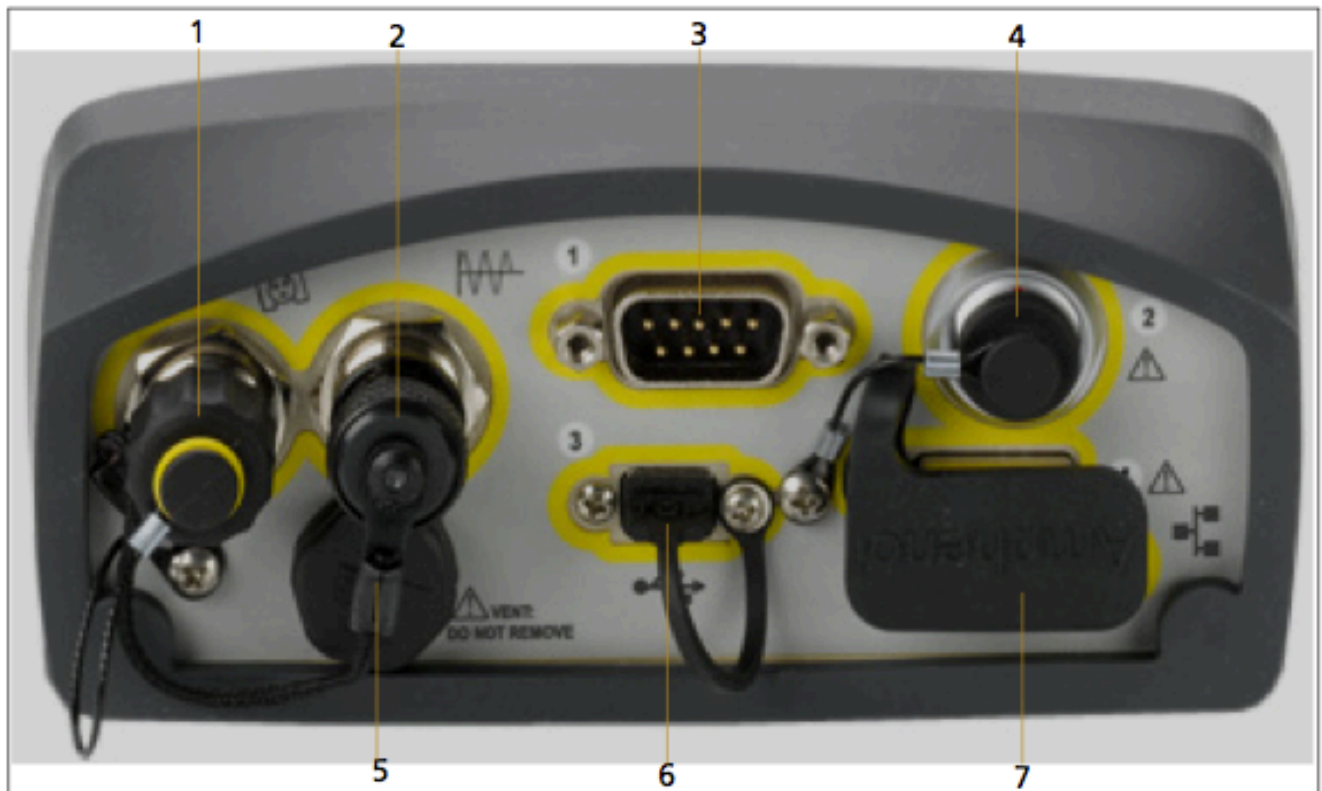
Trimble NetR9 - How to enable an external frequency source

779 Henry Berglund February 27, 2014 [Trimble NetR9](#) 2208

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.

Rear connectors



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

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

Tracking

Elevation Mask °

Everest™

Disable ▾

Clock Steering

Disable ▾

| Type | Signal | Enable | Options |
|---------|-------------|-------------------------------------|---------------------------------|
| GPS | L1 - CA | <input checked="" type="checkbox"/> | |
| GPS | L2 - Legacy | <input checked="" type="checkbox"/> | <div>L2 - CS and Legacy ▾</div> |
| GPS | L2 - CS | <input checked="" type="checkbox"/> | <div>CM + CL ▾</div> |
| GPS | L5 | <input checked="" type="checkbox"/> | <div>I + Q ▾</div> |
| SBAS | L1 - C/A | <input checked="" type="checkbox"/> | |
| SBAS | L5 | <input checked="" type="checkbox"/> | |
| GLONASS | L1 - C/A | <input checked="" type="checkbox"/> | |
| GLONASS | L1 - P | <input checked="" type="checkbox"/> | |
| GLONASS | L2 - C/A(M) | <input checked="" type="checkbox"/> | |
| GLONASS | L2 - P | <input checked="" type="checkbox"/> | <div>L2 - C/A(M) and P ▾</div> |
| GLONASS | L3 | <input checked="" type="checkbox"/> | <div>Data + Pilot ▾</div> |
| Galileo | E1 | <input checked="" type="checkbox"/> | |
| Galileo | E5 - A | <input checked="" type="checkbox"/> | |
| Galileo | E5 - B | <input checked="" type="checkbox"/> | |
| Galileo | E5 - AltBOC | <input checked="" type="checkbox"/> | |

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

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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>