







# Trimble 4700 Resource Page

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## Trimble 4700 Resource Page

<a href="#">Back to receiver comparison page</a>	Receiver	GNSS ?	Available as special buy	Available on loan	Serviceable at UNAVCO	File Size (24 hr, 15 s)	Memory
	<a href="#">Trimble 4700</a>	 N	 N	 Y	 N		 0 M

**UNAVCO no longer supports the Trimble 4700.** The 4700 is still in use throughout SuoimiNet, an atmospheric monitoring network.

- Program through a Trimble TSC1 survey controller or using Trimble R-Utilities v4.2b on a LINUX system.
- No downloading; there is no data storage. Receivers stream to a computer or to the TSC1 survey controller.
- No screen; LED lights indicate operating mode.
- Receives L1, L2.

## Trimble Resources

- [Trimble 4700 Specifications Sheet \(.pdf\)](#)

## Software

- [Trimble Data Transfer Utility](#)  
Download data from various devices including the Trimble 4700 and survey controllers onto a Windows system.
- [Trimble R-Utilities](#)  
Remotely control receivers from Windows, LINUX, or Solaris systems. No longer supported by

Trimble.

- [Trimble runpkr00](#)  
Extract .DAT or .TGD files from R00/T00/R01 files on Windows, LINUX, or Solaris systems.
- [Trimble Convert to RINEX Utility](#)  
Convert .DAT, .T00, or .T01 files to RINEX version 2.10, 2.11, or 3.00 formats.
- [Trimble Remote Controller v2.21](#)  
Provides virtual access to all receiver functions via a GUI simulating a Trimble 4000SSi/SSE receiver on a Windows platform.

## How To's and FAQ

- [Trimble 4700/4800 - Quick Start Guide](#)
- [Trimble 4700/5700/R7 - How to configure for kinematic surveys](#)
- [Trimble WinFlash and How to load new firmware onto the Trimble 4700 receiver](#)

## SuomiNet-specific Resources

SuomiNet is an international network of GPS receivers, configured and managed to generate near real-time estimates of precipitable water vapor in the atmosphere, total electron content in the ionosphere, and other meteorological and geodetic information. Visit the [SuomiNet Home Page](#).

- **SuomiNet Trimble 4700 Firmware**
  - Version 1.37 build April 04, 2001: [137APR04.47.s](#)
  - Version 1.35 build September 27, 2000: [135SEP27.47.s](#)
- **SuomiNet R-Utilities for Linux**

This is a set of tools for configuring or downloading data from the Trimble 4700 receiver using a direct serial connection. Note R-Utilities is currently the only product that allows you to configure a met device.

  - [RUtills.251.tar.gz \(version 2.51 TEST\)](#)
  - [rutils242b.tar.Z](#)
  - [suomi000929rutils.tar \(old\)](#)

- [rutils.4700.2.42a.tar \(old\)](#)
- **WinStream - SuomiNet R-Utilities for a Windows platform**  
See description for R-Utilities, above.
  - [RUtills.251.zip \(version 2.51 TEST\)](#)
  - [RUtills2.42b.WIN32.zip](#)
  - [WinStream.zip \(old\)](#)
- **Notes on Software Use for SuomiNet**
  - Remote Controller (above) supports configuration of all SuomiNet functionality except the configuration of a meteorological sensor. However, you can view the met results using this interface.
  - Some SuomiNet functionality such as Binex streaming, disabling multipath, met initialization, and changing phase bandwidth are not available through Configuration Toolbox.
- **General Notes on R-Utilities**  
Use the following command to change the receiver's baud rate:  
  

```
./rsetup -d/dev/ttyS0 -h9600,8,o,1 -238400,8,n,1,0
```

  
where -h (host) indicates the current comm port settings on the receiver (in this case, 9600, 8, n, 1) and the -2 specifies the desired change (in this case, 38400, 8, n, 1.) The extra 0 means that flow control is disabled.  
  
For rcontrol, you can now specify -dynamic or -static in the command line and the carrier phase will be updated accordingly. If this option is not specified, -static is the default.
- [SuomiNet Site Network Rules Regarding Port Access](#)

Online URL: <https://kb.unavco.org/article/trimble-4700-resource-page-474.html>