

How to Upgrade Firmware in a Trimble Survey Receiver

To update your firmware in a Trimble Survey receiver you will first need to go and download the firmware for your receiver at http://www.trimble.com/trimbler6_ts.asp?Nav=Collection-44386.

- 1. Find your receiver type and then click on the link to the Trimble support site.
- 2. At the Trimble support site click on downloads.
- 3. Find the firmware you wish to download and install on your receiver.
- 4. Click on the link to save the file to your computer. **Note**: Remember where you save this file.
- 5. After the file has downloaded find the file and double-click on it to install. This will install a program on your computer called WinFlash.
- 6. Cable your receiver to your computer.
- 7. Turn on your receiver.
- 8. After you have installed WinFlash click on Start/Programs/WinFlash/WinFlash.





WinFlash v1.190 - Device Conf	iguration	×
WinFlash Image: Control of the second seco	The devices which WinFlash can communicate with are listed below. Select a device and PC serial port to use, and press 'Next' to continue. Device Configuration <u>D</u> evice type: <u>5700 Receiver</u> 5800 Receiver Trimble NetR5 Receiver Trimble R7 Receiver Trimble R8 / R6 Receiver	
Contraction of the second seco	PC serial port: COM1 K Next > Cancel Help	

- 9. Select your receiver from the list.
- 10. Verify your PC serial port is correct.
- 11. Click on Next.

Verifying Firmware Expiration Date in a Receiver

1. The first item that is suggested is to verify that your receiver is able to receive the latest firmware.



R8 v3.32 b4 - Operation Selection		
WinFlash	The operations supported by the Trimble R8 / R6 Receiver are listed below. Select an operation to perform and press 'Next' to continue.	
	Operations Update receiver options Verify Bluetooth software version Verify GPS software version Verify receiver options View error log	
(≌:Trimble.	Description Retrieves the current configuration of the Trimble R8/R6.	
	(<u>B</u> ack <u>N</u> ext > Cancel Help	

- 2. Scroll down and Click on Verify receiver options.
- 3. Click Next.
- 4. Click on Finish.



5. Look under Firmware Option to see when your Firmware Expires.

Device Conf	iguratior	n				×
Device: R8-2 S/N: 463 Installed Op Option	2 39122613 tions	Status	From		То	
CMR Input: CMR Outpu RTCM Outp Data Collec Binary Outp 10 Hz Mea Data Loggi Twelve Ch Bluetooth Cellular Enable GL0 Hardware V Firmware O Downgrade Receiver II Max Data F	s uts puts stor outs surements ng annels DNASS /ersion ption e Limit) Rate	Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled Enabled 1.1 Enabled 300 R8-2 10 Hz			3/2008	
OK.						

- 6. Click on OK.
- 7. Click on Menu.



Viewing and Clearing the Error Log in a Receiver

1. The next suggested item would be to view and clear the Error Log in your receiver.

R8 v3.32 b4 - Operation Se	lection	×
WinFlash	The operations supported by the Trimble R8 / R6 Receiver are listed below. Select an operation to perform and press 'Next' to continue. Operations Update receiver options Verify Bluetooth software version Verify GPS software version Verify receiver options View error log Description Retrieves the error log from the Trimble R8/R6.	
	(<u>B</u> ack <u>N</u> ext > Cancel Help	

- 2. Scroll down and Click on View error log.
- 3. Click Next.
- 4. Click on Finish.



5. We have errors in our receiver. Click on Clear to clear the error log.

Trimble R8/R6 Error Log Retrieval	×
Errors Runtime Error: 0x8000000C At time: 10/19/2007 3:59:54 PM UTC Runtime Warning: 0x80000006 At time: 10/18/2007 3:53:53 PM UTC Runtime Warning: 0x80000006 At time: 10/17/2007 8:49:53 PM UTC Runtime Warning: 0x80000006 At time: 10/17/2007 8:39:54 PM UTC	
The list above contains all the errors retrieved from the Trimble R8/R6 error log. Press the clear button to erase all the errors in the Trimble R8/R6.	

6. Click on Yes.

Retrieve	e Error Log 🛛 🛛		
?	Clearing the error log will delete all the errors logged to the Trimble R8/R6 Do you wish to continue with the clear operation?		
	Yes <u>No</u>		

- 7. Click on OK.
- 8. Click on Menu.



Loading Firmware in a Receiver

1. The final step is to load the firmware into the receiver.

R8 v3.32 b4 - Operation Sele	ction	×
WinFlash	The operations supported by the Trimble R8 / R6 Receiver are listed below. Select an operation to perform and press 'Next' to continue. Operations Change Bluetooth ID String Configure radio/GSM settings Load Bluetooth software	
	Load Bluetooth software Load GPS software Load internal radio software Update receiver options Description	
🔅 Trimble.	Loads new application software into the Trimble R8/R6.	
	<u>Back N</u> ext> Cancel Help	

- 2. Click on Load GPS Software.
- 3. Click Next.
- 4. Click on the Firmware you wish to load into the receiver.



WinFLASH - GPS Software Selection		
WinFlash	WinFLASH needs to know which software should be used to update the GPS receiver. The software versions listed below are currently installed on the system. Select a software version and press Next to continue.	
Erimble.	Available Software R6 Firmware v3.50 Jul 25, 2007 R8 v2.32 May 03, 2007 R8-Model 2 FW v3.50 Jul 25, 2007	
·	(<u>B</u> ack <u>N</u> ext > Cancel Help	

- 5. Click on Next.
- 6. Click on Finish.
- 7. Click on Exit.