

# AgGPS® Receiver Firmware Version 3.06

## Release Notes

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Version 3.06  
Revision A  
July 2007



## Legal Notices

### Agriculture Business Area

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This is the July 2007 release (Revision A) of the *AgGPS Receiver Firmware Release Notes*. It applies to version 3.06 of the AgGPS receiver firmware.

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- an explanation of the problem.

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## Introduction

These release notes contains information on AgGPS® receiver firmware version 3.06.

## Supported receivers

The firmware version 3.06 supports the following GPS receivers:

- AgGPS 106 DGPS receiver
- AgGPS EZ-Guide® SL lightbar guidance system
- AgGPS 114 DGPS receiver
- AgGPS 122 DGPS receiver

**Note** – AgGPS 122 receivers with P/N 29654-xx cannot be upgraded to version 3.06 firmware.

- AgGPS 124 DGPS receiver
- AgGPS 132 DGPS receiver

**Note** – AgGPS 132 receivers with P/N 33302-x0 cannot be upgraded to version 3.06 firmware.

## Features and benefits

The following improvements have been made to the firmware:

- In July 2007, the WAAS satellites changed. To compensate for this, the default WAAS satellite settings have also changed:

Satellite	New default setting
PRN 122 (AOR-W)	Disabled
PRN 134 (POR)	Disabled
PRN 135 (PanAmSat)	Heed health
PRN 138 (Telesat)	Heed health

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- EGNOS support is updated.
  - The following EGNOS satellites have improved performance:
    - PRN-120
    - PRN-126

## Upgrade procedure

This section describes how to install the firmware version 3.06 on an AgGPS receiver, and what to do if the installation procedure fails.

To install the firmware on an AgGPS receiver, the basic procedure is:

- Step 1 - Download the installation files from the Trimble website, see below.
- Step 2 - Install the FlashLoader100 firmware transfer utility, see page 7.

*Note* – You must use version 2.10 of this utility.

- Step 3 - Connect the receiver to the office computer, see page 11.
- Step 4 - Use the installation files to upgrade the receiver, see page 12.

### Step 1: Downloading the installation file

You need the following files:

- *xx306.tnr* – the firmware file (xx varies depending on the type of receiver you have)
- *FL100v210.exe* – the FlashLoader100 firmware update utility
- *AgGPSfmw\_3.06\_RelNotes\_ENG.pdf* – the electronic version of these release notes

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If necessary, you can download these files from the Trimble website:

1. Go to the Trimble website ([www.trimble.com](http://www.trimble.com)).
2. From the Support & Training list, click Support A–Z List.
3. Click on your *AgGPS* product and then click Downloads.
4. Click *v – 3.06 – AgGPS Receiver Firmware, Release Notes, and FlashLoader100* and then download the file to a folder on your computer. Once the compressed file is downloaded, double-click it to access the files to install.

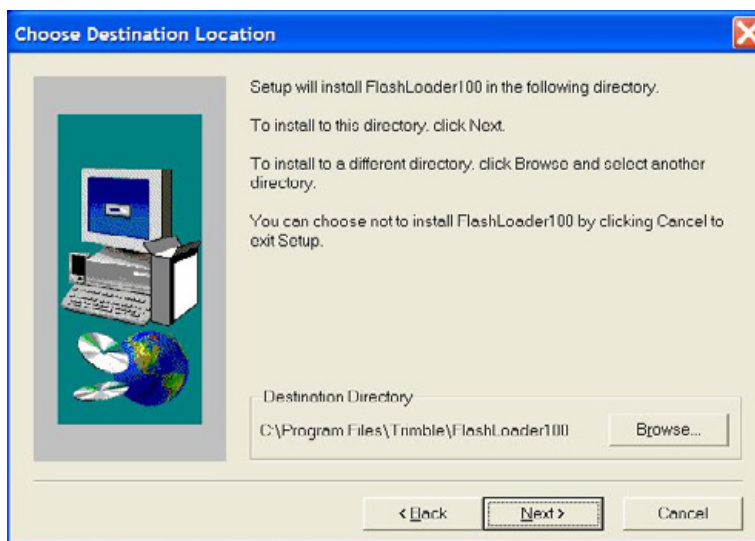
## Step 2: Installing the FlashLoader100 software version 2.10

The FlashLoader100 software runs on an office computer that has a Microsoft® Windows® operating system (95, 98, Me, Windows NT®, 2000, or XP).

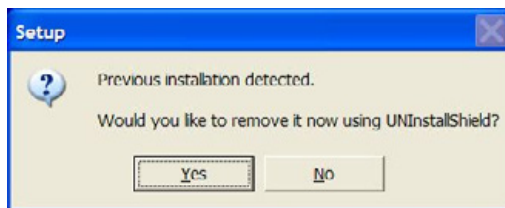
To install the FlashLoader100 software:

1. Go to the folder where you extracted the installation files and then double-click the file *FL100v210.exe*. The message **This will install FlashLoader100. Do you wish to continue?** appears.
2. Click **Yes**. The *Welcome* dialog appears.

3. Click **Next**:

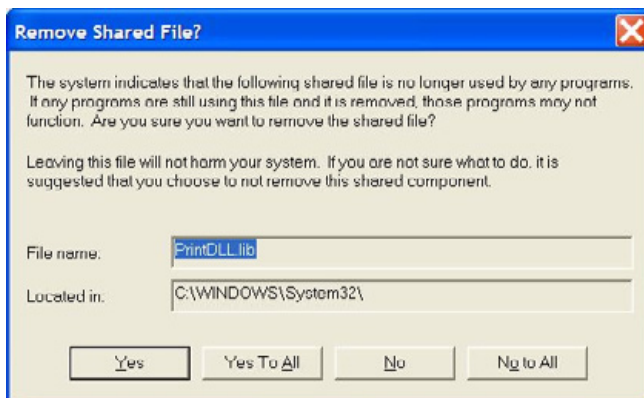


4. Click **Next**.
5. If you are installing the FlashLoader100 software for the first time on the office computer, go to Step 8. If the FlashLoader100 software is already installed on the computer, the following dialog appears:

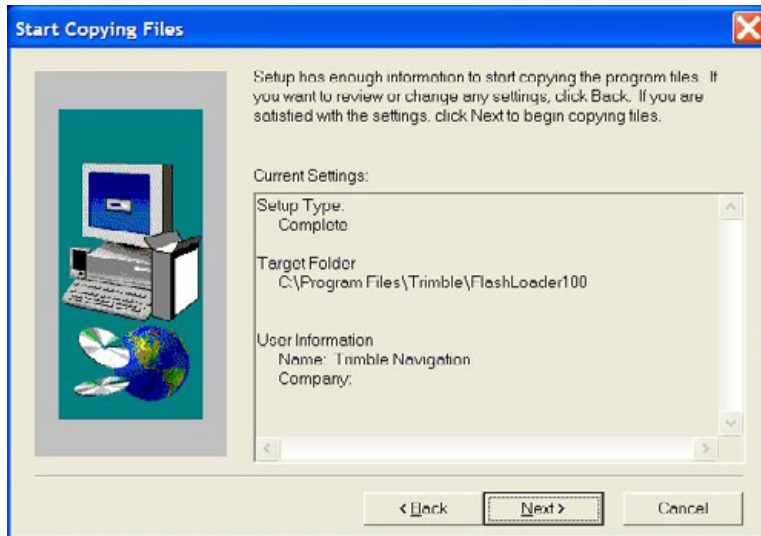




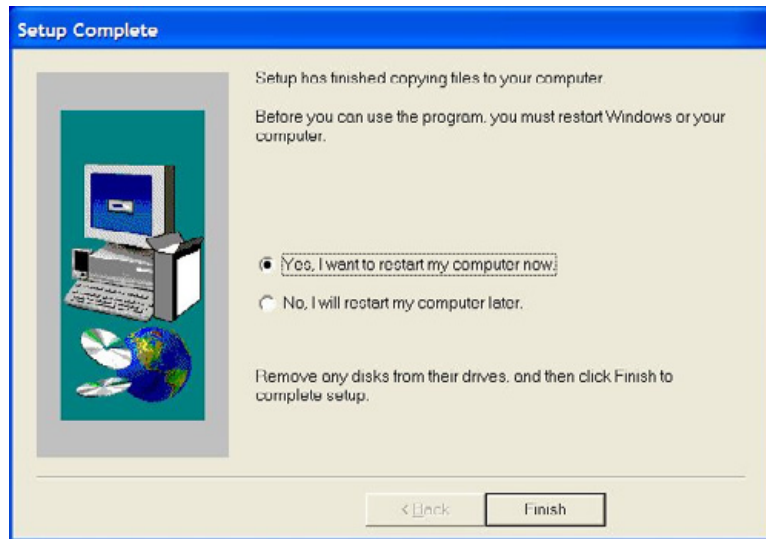
- Click **Yes** to remove the previous version of the FlashLoader100 software. The following dialog may appear:



- Click **No to All**. The *Remove Programs From Your Computer* dialog appears.
- Click **OK**:



- 
9. Click **Next**:



10. Select the option *Yes, I want to restart my computer now* and then click **Finish**.

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### Step 3: Connecting the receiver to the computer

To connect the receiver to the office computer, use the supplied data/power cable as shown in Figure 1.1, Figure 1.2, or Figure 1.3.

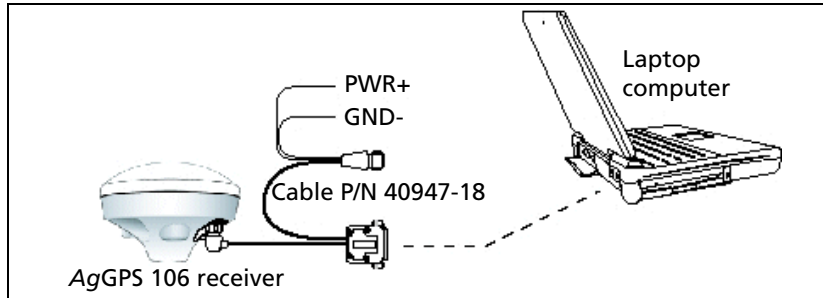


Figure 1.1 Attaching the AgGPS 106 receiver data/power cable to the serial port

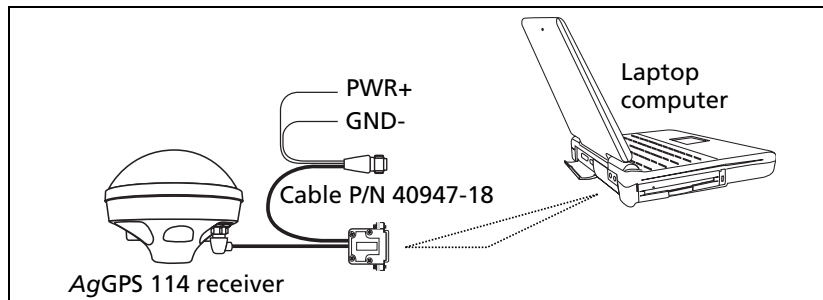


Figure 1.2 Attaching the AgGPS 114 receiver data/power cable to the serial port

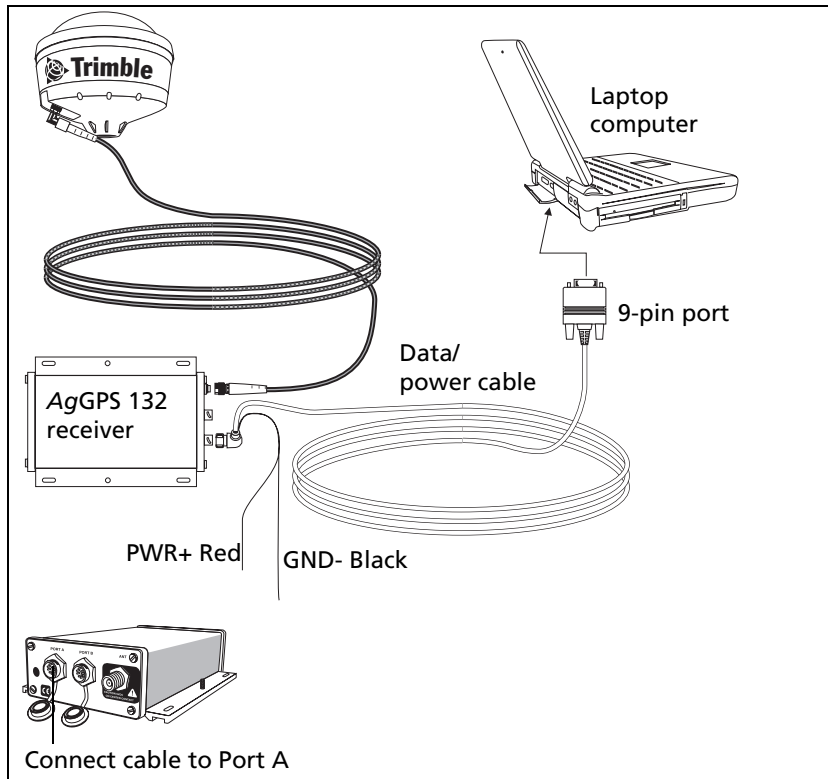


Figure 1.3 Attaching the AgGPS 132 receiver data/power cable to the serial port

When you connect a data/power cable to an AgGPS receiver, use a cable that has part number P/N 40947, P/N 30945, or P/N 46441.

## Step 4: Upgrading the receiver

Upgrading the firmware on the receiver resets any custom settings to the factory defaults. Before you upgrade, make a note of any GPS settings that you have changed. You can then reconfigure them after the upgrade.



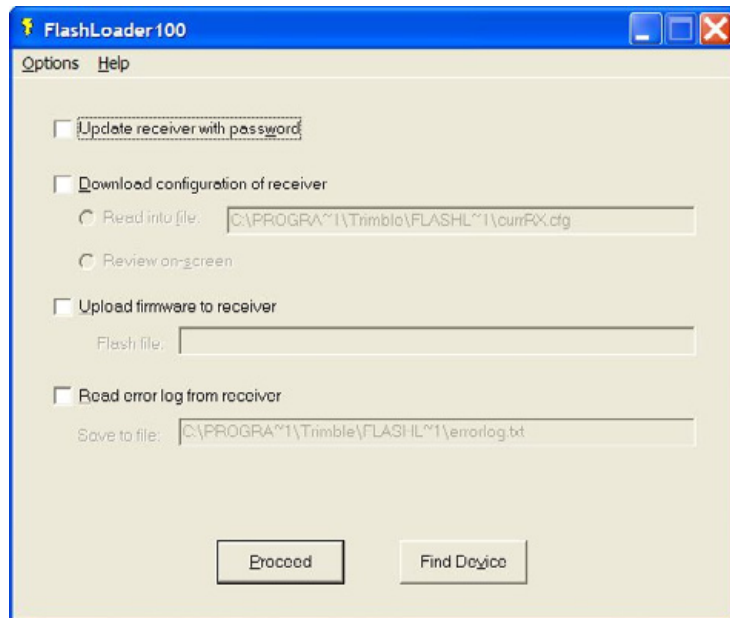
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**CAUTION** – Do not disturb or disconnect the power to the receiver while you are installing the firmware. If power is lost or the computer fails during the installation, you may have to return the receiver to the factory for service.

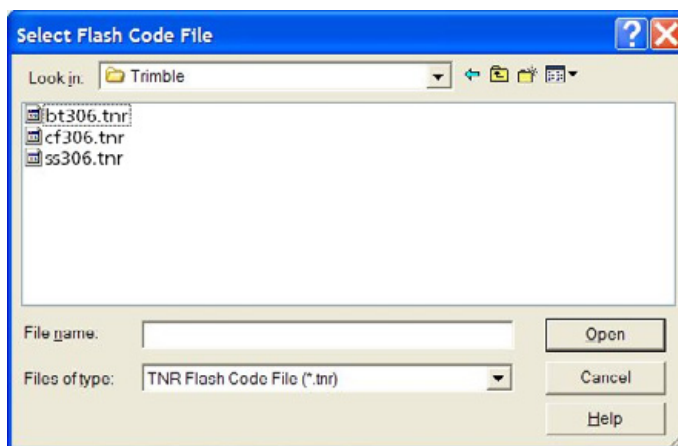
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To upgrade the receiver firmware:

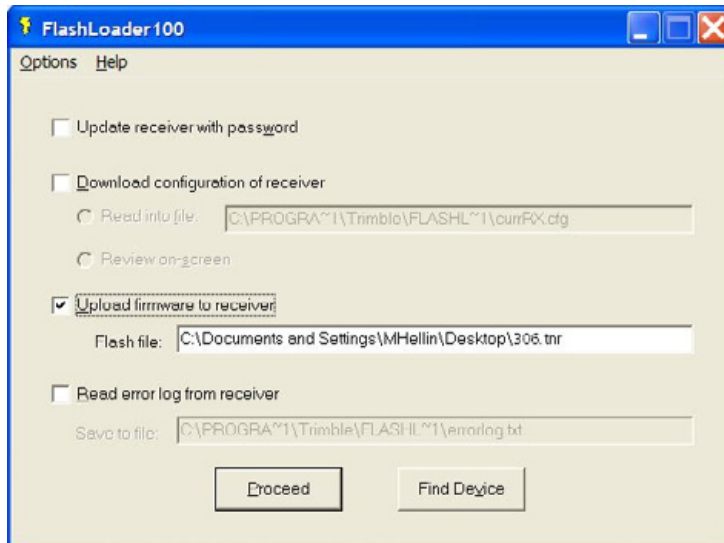
1. From the Windows menu, select *Programs / FlashLoader100*:



2. Select the *Upload Firmware to Receiver* check box:



3. Select the location of the firmware file and then click **Open**. The *FlashLoader100* dialog displays the location and name of the firmware file:



4. Click **Proceed**. FlashLoader100 establishes communication with the receiver and transfers the new firmware.

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A progress bar appears during the upgrade, which takes approximately five minutes. When the upgrade is complete, the message **Requested operations completed successfully** appears.

5. Click **OK**.
6. Exit the FlashLoader100 software.
7. Use the AgRemote software to reconfigure any custom settings.

## Installation failure

If the firmware installation fails:

- Check that you are using version 2.10 of the FlashLoader100 software. If you clicked **No** instead of **Yes** in Step 6 on page 9 of the installation procedure, run the installation procedure again.
- If power was disconnected during the upgrade, contact your local Trimble reseller or email [trimble\\_support@trimble.com](mailto:trimble_support@trimble.com). Your reseller, or a technical support representative, can explain how to send the AgGPS receiver to Trimble for repair.