

GeoSteer Steering Controller Firmware Upgrade Instructions

Subject

This document outlines the procedures required to upgrade the GeoSteer steering controller to the latest firmware version. Refer to the firmware release notes for information on the features and enhancements that have been added with the newest release of firmware.

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Note: The screen shots and steps shown in this document are provided as a general guide only. Variations from the screens shown in this document may appear, depending on your Windows version and configuration. This document assumes the user has a basic understanding of the Windows operating system

Procedure 1 – Download the GeoSteer Upgrade File

1. Navigate to the Ag Leader dealer site: <https://dealer.agleader.com/kbp/>

Procedure 1 – Download the GeoSteer Upgrade File

2. Click on “Downloads” after logging in to the dealer site.

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Downloads

- Downloads for Displays, GPS, CAN modules and SMS software
- Dealer Sales Info: For authorized Ag Leader Dealers
- Dealer Training: Schedule and registration information for Ag Leader Academy dealer training

3. Click on “Guidance and Steering”

SDF Display Firmware

SMS Mapping Software

Simulator Demo Files

Guidance & Steering (highlighted with an orange box)

Utility Software

ISOBUS Modules

4. Select the latest GeoSteer firmware (.tgz) file to download. If you are using Google Chrome, the file may go to a default downloads location.

Release Notes GeoSteer 1.10.28881.pdf

Prev

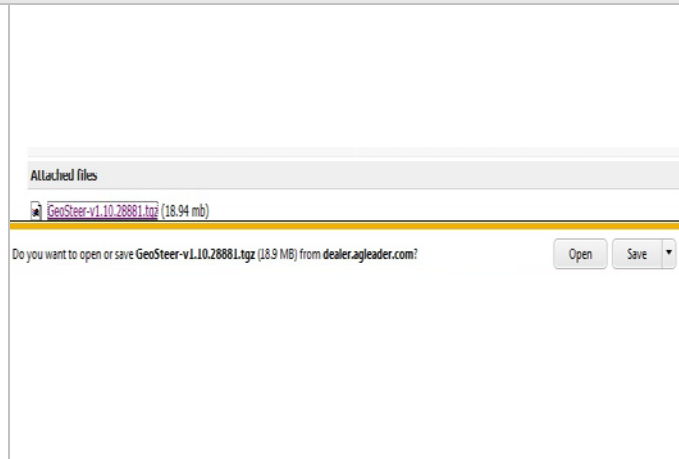
ParaDyme Firmware v3.4.28529

https://dealer.agleader.com/kbp/index.php?View=afile&CategoryID=908&EntryID=3368

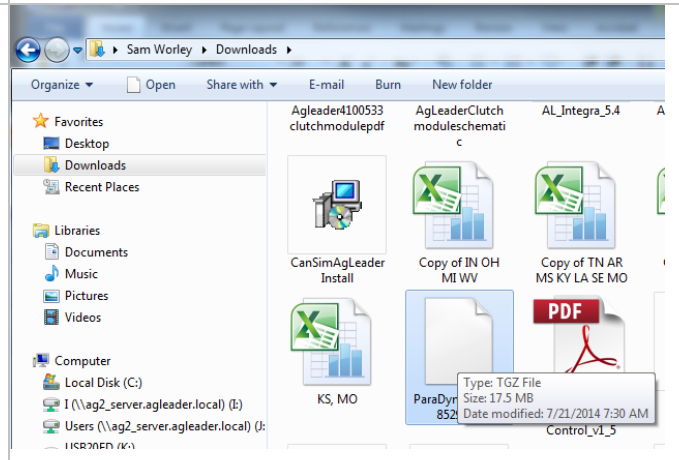
GeoSteer-v1.10.28881....tgz
18.9/18.9 MB, 0 secs left

Procedure 1 – Download the GeoSteer Upgrade File continued

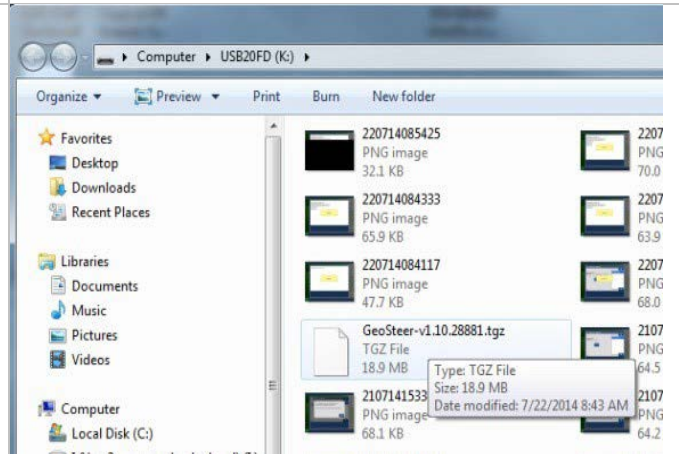
4.5. If you are using Internet Explorer, after clicking on the file to download there should be an option to open or save the .tgz file. Click the drop down menu by save and choose save as to browse for your USB drive destination.



5. For Chrome uses, find the downloads folder on your computer. Locate the GeoSteer upgrade file and right click on it to send it to the USB drive.



6. Verify that the .tgz upgrade file is on the external storage device (USB drive)

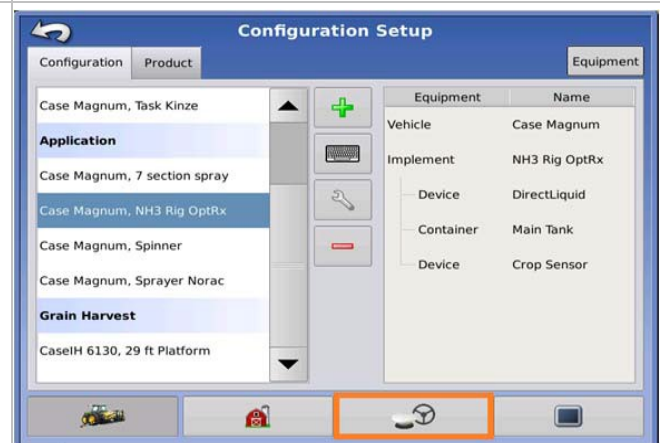


Procedure 2 – Ag Leader® Integra/Versa/Compass display – Navigate to the AutoSteer Setup Screen

1. Start the Ag Leader® Integra/Versa/Compass display.
At the home screen, press the wrench button.

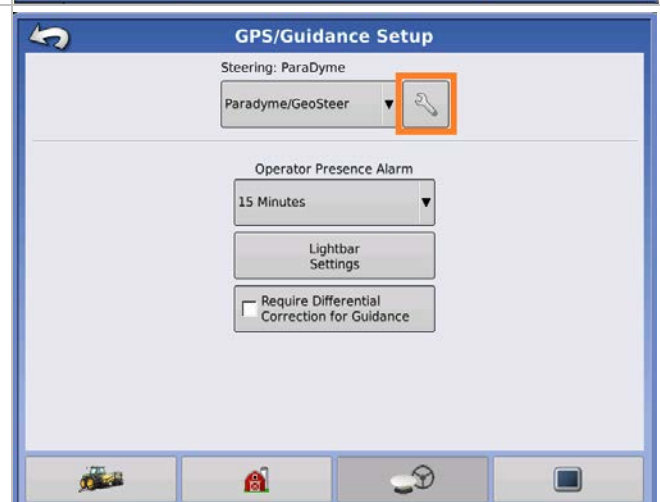


2. From the setup screen press the GPS/guidance button.


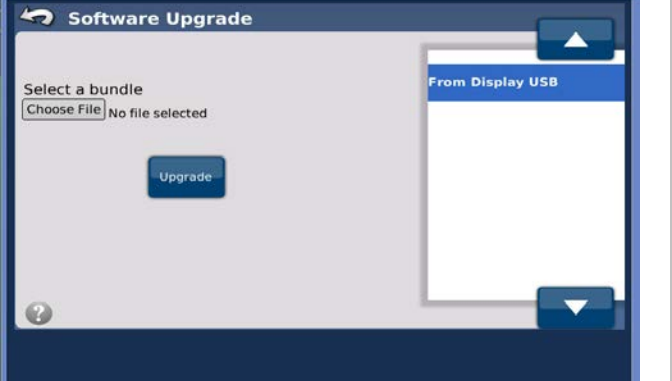
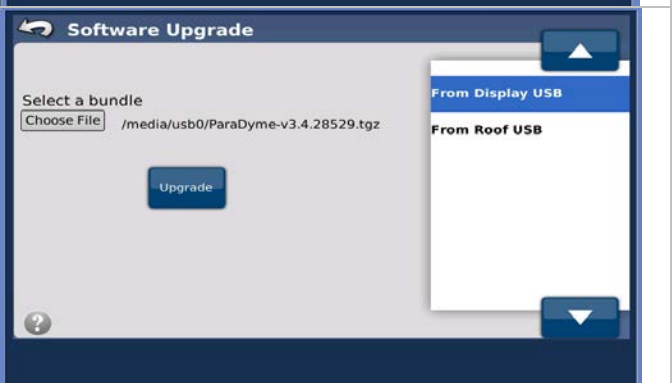


3. Verify that the guidance/steering type selection is set to ParaDyme/GeoSteer steering.
4. Press the wrench button next to the guidance/steering selection to enter the GeoSteer AutoSteer screen.

Continue to Procedure 3 – Upgrade from display USB port



Procedure 3 – Upgrade from Display USB Port

Procedure 3 – Upgrade from Display USB Port	
<p>1. Insert the USB drive with the upgrade file into the USB port on the Ag Leader® Integra/Versa/Compass display.</p>	
<p>2. Press the software upgrade button.</p>	 <p>The screenshot shows the 'Autosteer Setup' interface. At the top, there are navigation icons for Vehicle, System, GPS, Connections, and My Account. Below these are buttons for System Health, Manage Settings, Accessories, and Technician. The 'Software Upgrade' button is located at the bottom left of the main menu area.</p>
<p>3. Press browse button to select the upgrade bundle.</p>	 <p>The screenshot shows the 'Software Upgrade' screen. It has a 'Select a bundle' section with a 'Choose File' button and the text 'No file selected'. Below this is an 'Upgrade' button. On the right side, there is a list titled 'From Display USB' which is currently empty.</p>
<p>4. Select the upgrade file from the list then press the upgrade or check button to start the upgrade process.</p> <p><i>Note:</i> If there is more than one upgrade file on the USB drive, they will be displayed as well.</p>	 <p>The screenshot shows the 'Software Upgrade' screen. The 'Choose File' button now shows the path '/media/usb0/ParaDyme-v3.4.28529.tgz'. The list on the right now contains two items: 'From Display USB' and 'From Roof USB'. The 'Upgrade' button is highlighted.</p>

Procedure 3 – Upgrade from Display USB Port continued

5. Allow the upgrade to proceed automatically.

During the upgrade process, the 2nd LED on the GCU will be solid amber.

```
Resetting output to console...Done!  
Using GeoSteer-v1.10.28881.igz  
GeoSteer board detected, auto configured to turf3  
U-Boot upgrade not needed, actual version 21798  
Check initial condition prior to perform update  
Initial condition ok  
Updating step 1  
Updating step 2  
Updating step 3  
Updating step 4
```

Upgrading...

6. Once the upgrade has completed, press the check button to complete the process. The GeoSteer steering controller is now updated.

7. For best results, power OFF the system and restart to finalize the installation.

Upgrade Complete

