

Guidance and Steering Firmware

Firmware and upgrade instructions for guidance and steering systems. Please read the instructions carefully before you attempt an upgrade.

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Firmware

ECU-S1 (OnTrac3 / SteerCommand)

Version	Download Link	Release Date	Release Notes
4.6.34288	ECU-S1-v4.6.34288.tgz (24 MB)	March 2019	4.6.34288 Release Notes
	ECU-S1-v2.0.30465.tgz (24 MB)		

If ECU-S1 firmware is older than v2.0.30465, first upgrade to v2.0.30465 before upgrading to the latest firmware.

Update Procedure:

1. Update to current firmware
2. Power cycle system and wait 1 minute before powering back on
3. System will now get a green satellite and autosteer will function properly

ParaDyme

Version	Download Link	Release Date	Release Notes
4.0.34389	ParaDyme-v4.0.34389.tgz (19 MB)	May 2019	Version 4.0.34389
3.0.25494		April 2013	Version 3.0.25494

[ParaDyme-v3.0.25494.tgz](#) (17 MB)

Update Procedure:

1. Update to current firmware
2. Power cycle system and wait 1 minute before powering back on
3. With the system powered back on, wait 15-20 minutes for GPS almanac to update
4. System will now get a green satellite icon and function properly

Installation Directions:

1. If the ParaDyme is currently on a version older than 3.0.25494, then it will need to be upgraded in two steps. First upgrade to version 3.0.25494, then to the newest version.
2. Download the appropriate firmware file from the table above and copy the file to a USB drive.
3. Download and follow the [ParaDyme Upgrade Instructions](#). If there are issues with loading the firmware file during the upgrade process, follow [this link](#).

Rescue Package Procedure:

In very rare cases, the system may fail to reboot after the installation of firmware from the User Display. If this should happen, a rescue USB disk needs to be created to get the system to reboot. First review the [ParaDyme Rescue Package Procedure](#), then download the rescue disk ([ParaDyme-v3-rescuedisk.zip](#) (24 MB)) and follow the instructions. You will use the rescue disk to upgrade the Roof Module and then repeat the installation steps above to update to the latest firmware.

GeoSteer

Version	Download Link	Release Date	Release Notes
2.0.34390	<u>GeoSteer-v2.0.34390.tgz</u> (21 MB)	May 2019	<u>Version 2.0.34390</u>
1.10.28881	<u>GeoSteer-v1.10.28881.tgz</u> (19 MB)	June 2014	<u>Version 1.10.28881</u>

Update Procedure:

1. Update to current firmware
2. Power cycle system and wait 1 minute before powering back on
3. With the system powered back on, wait 15-20 minutes for GPS almanac to update
4. System will now get a green satellite icon and function properly

Installation Directions:

1. If the GeoSteer is currently on a version older than 1.10.28881, then it will need to be upgraded in two steps. First upgrade to version 1.10.28881, then to the newest version.
2. Download the appropriate firmware file from the table above and copy the file to a USB drive.
3. Download and follow the [GeoSteer Upgrade Instructions](#).

Additional Notes:

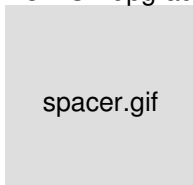
- The Preferred Roaming List (PRL) for North America was updated. After selecting the PRL, you **must power cycle** the system to accept the change.
 - ◆ **20119 - Verizon Prioritized - recommended PRL**
 - ◆ 10933 - Verizon Only
 - ◆ 24091 - 850 MHz
 - ◆ 40112 - Sprint Prioritized
- NTRIP Auto-Connect automatically starts the NTRIP session at system power up without interaction by the user. NOTE: A new NTRIP profile is required for this functionality.
 - ◆ North America: The system defaults to 24-hour Auto-Connection power up after the NTRIP Connect button has been initially pressed.
 - ◆ Outside North America: The NTRIP connect button only needs to be pressed once. The system will automatically connect to NTRIP upon power up, unless the NTRIP profile is changed.

SA Module - Wheeled

Version	Download Link	Release Date	Release Notes
1.11.6	SA Module Upload - v1.11.6.exe (<1 MB)	October 2011	TSB-003029
	SA Module Upload - v1.11.6.zip (<1 MB)		

Important Note:

- **Do NOT** upgrade a John Deere Track SA Module (200-



0207-01) or a John Deere Combine 2010 or newer SA Module (200-0206-03) with this software, doing so will cause the SA Module to not work and will **require it to be sent back to Ag Leader for repair**.

- This upgrade is not required for all systems. Please review Table 1 in [TSB-003029](#) for a list of vehicle kits where the upgrade is recommended.

Installation Directions:

1. To complete the upgrade you must have a Windows computer with a 9-pin serial port and Microsoft .NET installed. You will also need the SA Module Programming cable (PN: 201-0350-01) available from Ag Leader.
2. Download the firmware package listed above and run the self-extractor. Included in the package is the SAM Firmware Upload Tool, a Windows software application you will need to install and use to complete the upgrade.
3. Review the [SA Module Upgrade Instructions](#) for step-by-step guidance through the process.

EZ-Steer

Name	Version	Download Link	Release Date
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EZ-Toolbox PC Software	2.10	EZ-Toolbox_V210.zip (1 MB)	September 2006
EZ-Steer 500 (<i>see note below</i>)	4.10	SCM_4_1_0.zip (<1 MB)	March 2007
EZ-Steer (<i>see note below</i>)	3.01	EZSteer3.01.zip (<1 MB)	November 2005

Important Notes:

- **EZ-Steer 500:** Version 4.10 firmware is required to connect EZ-Steer 500 to the EZ-Guide 500. Version 4.1 of EZ-Steer 500 will not work with EZ-Guide Plus.
- **EZ-Steer:** Version 3.0+ of EZ-Guide Plus firmware is required to run the EZ-Steer system with T2.

Installation Directions:

1. First download and install EZ-Toolbox PC software listed above on your computer. EZ-Toolbox is required to upgrade your EZ-Steer controller.
2. Download the correct EZ-Steer firmware version.

EZ-Guide 500 / EZ-Guide 250

Name	Version	Download Link	Release Date
EZ-Guide 500	5.12	EZ-Guide500_5_12_038_4.zip (4.5 MB)	March 2019
EZ-Guide 250	3.12	EZ-Guide250_3_12_038_4.zip (3.5 MB)	March 2019

Installation Directions:

1. Insert the USB drive into the EZ-Guide 500 or 250 and then turn on power.
2. The new firmware will automatically be detected and you will be prompted to install it (this may take several minutes).
3. The firmware upgrade will proceed and the EZ-Guide 500 or 250 will automatically reboot when it has completed.
4. Read about the updates in the [EZ-Guide 500 release notes](#).

EZ-Guide Plus

Name	Version	Download Link	Release Date
EZ-Toolbox PC Software	2.10	EZ-Toolbox_V210.zip (1 MB)	September 2006
EZ-Guide Plus	4.11	EZGPlus4.11.008.ROM (1 MB)	September 2007

Installation Directions:

1. Download and install the EZ-Toolbox PC software listed above on your computer, it is required to upgrade the EZ-Guide Plus.
2. Download the latest EZ-Guide Plus firmware.
3. Read about the updates and follow the step-by-step upgrade instructions in the [EZ-Guide Plus release notes](#).

EZ-Guide

Name	Version	Download Link	Release Date
Flash Loader PC Software	2.10	flsh210.exe (1.6 MB)	February 2003
EZ-Guide	3.06	AgGPS 3.06 firmware.zip (1 MB)	August 2007

Installation Directions:

1. First download and install the Flash Loader PC software listed above on your computer, it is required to upgrade the EZ-Guide.
2. Download the EZ-Guide firmware.
3. Read about the updates and follow the step-by-step upgrade instructions in the [EZ-Guide release notes](#).

Utilities

CBS Remote Access

Version	Download Link	Release Date	Release Notes
	802-0098-01-B.ZIP (1 MB)	February 2014	User Manual

Download the appropriate firmware version from the table above to your PC and unzip the file to a USB drive. (There should be a file ending with *.img on your flash drive.)

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<https://support.agleader.com/kbp/index.php?View=entry&EntryID=1504>