

CLEARPATH®

UPDATING CLEARPATH GNSS RECEIVER TO v1.201

This latest firmware version for TeeJet ClearPath receivers provides improved stability in GNSS positioning when operating in all SBAS environments including EGNOS (Western & Central Europe), WAAS (North America), MSAS (Japan), & GAGAN (India).

The 'GPS type' setting on all supported Matrix Pro units will continue to support the same options as was supported before the update, but with improved stability when set to GPS/DGPS or DGPS.

This update includes all the features and changes included in previous ClearPath receiver updates.

Updating is an easy process that can be done using the USB port on the Matrix console, but it will require that the user select the appropriate update file for the Matrix console they have. See below for more details.

NOTE: Using the wrong file will not damage the console, but it will also not update the receiver information.

This update is only supported for Matrix Pro G consoles running console v2.04, and Matrix Pro GS consoles running v3.04. If your console is running an older version, the console update can be downloaded from the Tech Support->Software/Firmware Updates section at www.teejet.com.

IMPORTANT: This update is only for Matrix Pro units in the following serial number ranges with ClearPath GNSS receivers running receiver versions 010016 (v1.016), 010102 (v1.102) or 010105 (v1.105). These units were shipped before approximately March 18, 2014. Units shipped after approximately March 18, 2014, will already be running firmware 010201 (v1.201).

Serial numbers to use ClearPathUPD1201_MatrixG.zip

Matrix Pro 570G w/ ClearPath GPS	Matrix Pro 840G w/ ClearPath GPS
7530077xxxxx	7530084xxxxx
7530080xxxxx	7530090xxxxx
7530082xxxxx	7530093xxxxx
7530083xxxxx	7530105xxxxx
7530089xxxxx	7530106xxxxx
7530091xxxxx	
7530092xxxxx	

Serial numbers to use ClearPathUPD1201_MatrixGS.zip

Matrix Pro 570GS w/ ClearPath GPS	Matrix Pro 840GS w/ ClearPath GPS
7530094xxxxx	7530097xxxxx
7530095xxxxx	7530098xxxxx
7530107xxxxx	7530113xxxxx
7530109xxxxx	7530116xxxxx
7530110xxxxx	7530117xxxxx
7530111xxxxx	
7530112xxxxx	
7530121xxxxx	
7530123xxxxx	

Determine if update is needed

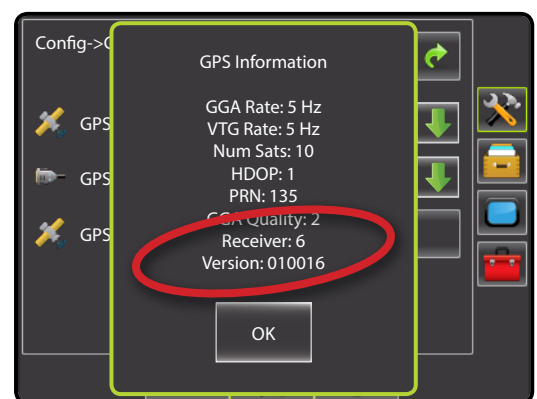
The best way to determine if your unit should be updated is to check the "Receiver" number and "Version" as shown. Go to Config->GPS->GPS Status Information and verify the values for "Receiver" and "Version".

This update should only be used when the "Receiver" is 6 or 7 and the Version is reported as 010016, 010102 or 010105.

Do not proceed with this update if:

- The "Receiver" is not 6 or 7
- The "Version" is not 010016, 010102 or 010105.

If you have any questions about whether or not you should update your unit, please contact Product Support at TeeJet Technologies for assistance.



Update procedure

1. Verify that your GPS receiver requires the update. (See “Determine If Update Is Needed” for more information.)
2. Download the zip file from www.teejet.com directly to your computer’s Desktop or Downloads folder (see “How to download ZIP files.pdf” for details).
3. Double click the zip file (ClearPathUPD1201_MatrixG.zip or ClearPathUPD1201_MatrixGS.zip) then select either A or B:

A) Copy and paste the “tjrun” folder to the root directory of an empty USB drive.



B) Using the “Extract all files” function, unzip/uncompress the downloaded file to the root directory of an empty USB drive (see “How to download ZIP files.pdf” for details).

RECOMMENDATION: Use an empty USB drive. Be sure there are no other automatically executable files on the drive.

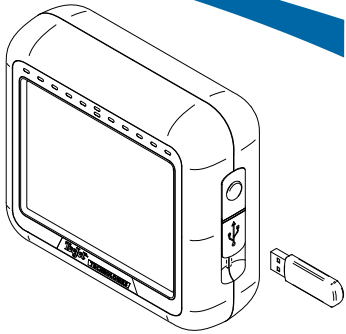
4. Properly eject the USB drive from your computer using the “Safely Remove Hardware” icon from the Task Bar or the “Eject this disk” function from the My Computer window or the “Eject Disk” option (on a MAC).
5. Power on the Matrix console and wait until the Matrix application is fully booted up.
6. Make sure that Config->GPS->GPS Port is set to **Internal**.
7. With the console ON, lift rubber cover and insert the USB drive into the Matrix console.
8. The update process will take 5-10 minutes and will progress through the following stages as indicated by the on-screen information:

- 1. Initializing receiver update...
- 2. Updating receiver...
- 3. Restoring default receiver settings...
- 5. Receiver updated successfully! Please remove USB Drive and reboot unit.

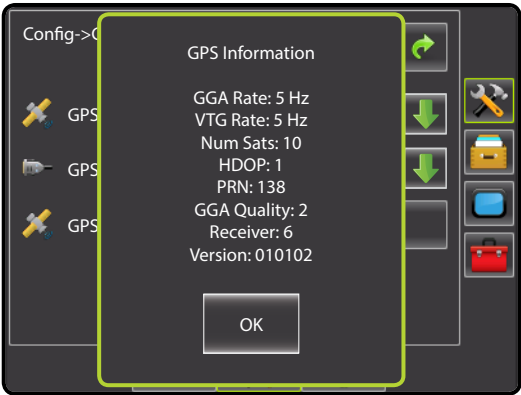
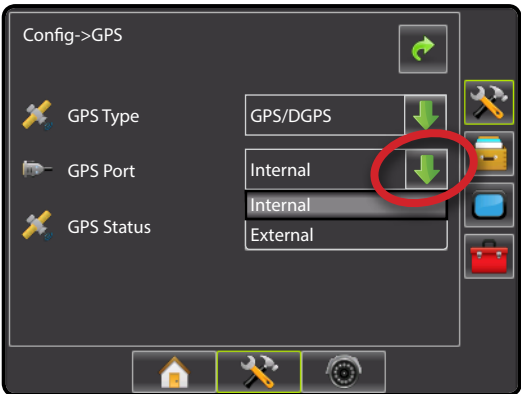
WARNING – Do not interrupt power to the Matrix console or remove the USB Drive before the update is complete.

9. Remove the USB Drive from the console.
10. Press and hold the POWER BUTTON  to power off the console. This can take up to 15 seconds.
11. Press the POWER BUTTON  to power on the console again.
12. Go to Config->GPS->GPS Status Information and verify that “Receiver” shows 6 or 7, and now the “Version” shows **010201**.

If the “Receiver” is 1 and “Version” is blank, the update did not complete. Repeat steps 6-12.



MATRIX PRO 570G CONSOLE



Troubleshooting failure to update

Issue	Solution
“4 Receiver update failed. Please contact TeeJet Technologies Product Support.”	The GPS receiver is not compatible with this update. Determine if the console/receiver needs to be updated.
	The update has failed – please contact TeeJet Technologies Product Support.
After 10 minutes is still at this same screen: “2. Updating receiver....”	Remove the USB Drive. Power off console. Power on console. Determine if the console/receiver needs to be updated.

