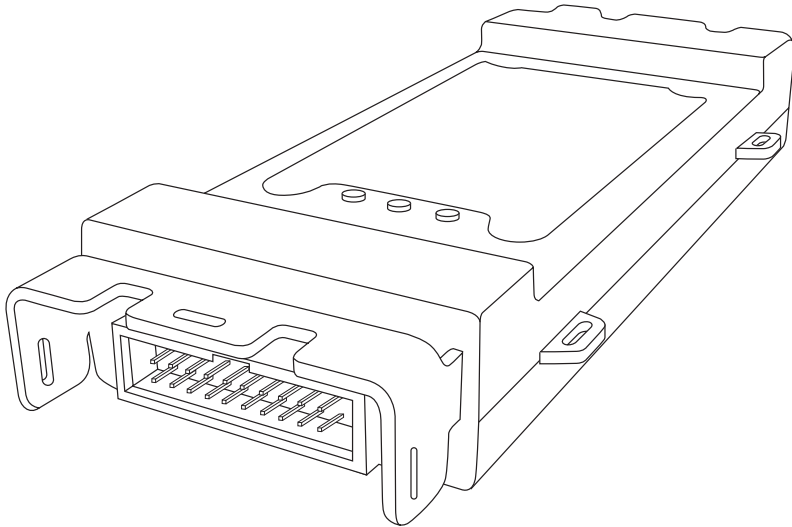


Networkfleet 4200 Installation Guide



www.networkfleet.com | Customer Care: 866.227.7323 customercare@networkfleet.com

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4200 Device

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Common Installation

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Fill out the enclosed registration form before completing installation.

Record the following information:

- Vehicle Identification Number (VIN)
- License Plate
- Year
- Make
- Model
- Unit's Serial number (10 digits)



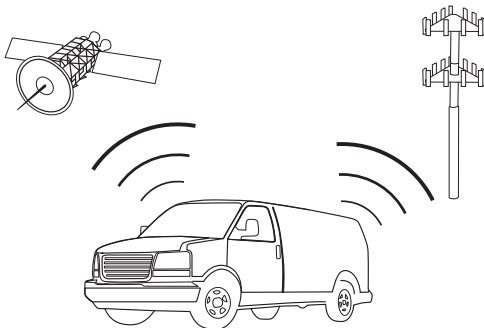
networkfleet **4200** Vehicle
Registration Form

REGISTRATION INSTRUCTIONS

For self installations, please complete this form, then log into www.networkfleet.com. In the left-hand navigation area, click on the "Administration" button, then the "Vehicle Management" button and finally the "Register Vehicle" button to complete the registration using the data on this form. For Networkfleet Certified Installers, please fax your completed registration form to 800-548-5205.

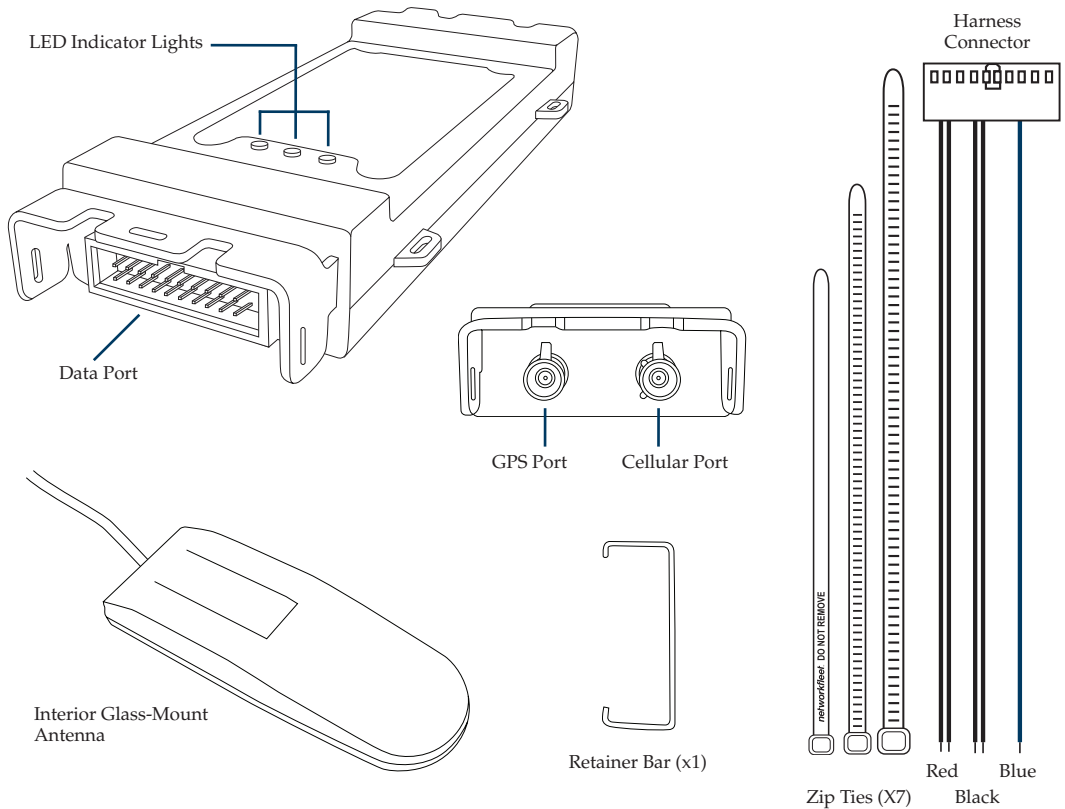
For troubleshooting tips, please see the back of this card.

Questions? Contact Networkfleet Customer Care at 1-866-227-7323



Installation Tip: Metal walls and tall buildings may interfere with the reception from GPS satellites and the cellular network. Perform installation where the vehicle is in clear view of the sky. Conduct final installation verification after the vehicle's engine has been running outside for 10–15 minutes.

The 4200 unit can be installed in light, medium and heavy vehicles. It is a GPS data only device that does not read diagnostic data from the vehicle's engine computer. This device is compatible with both 12V and 24V vehicles.



Note: Please ensure that the Driver Door is OPEN during the ENTIRE installation process.

Black Wire - Ground

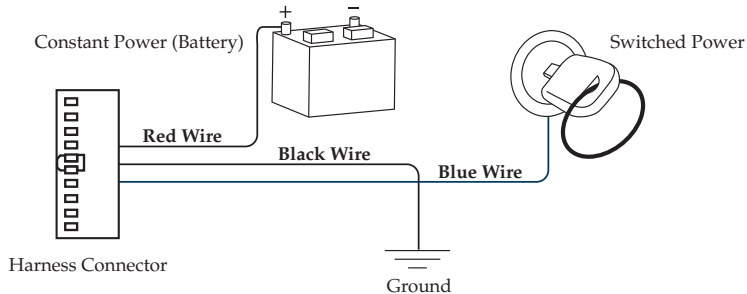
- With the vehicle's engine OFF, attach the Black Wire directly to a chassis ground point or to a ground line (chassis ground) by splicing directly to a ground lead or by using a wire tap (recommended).

Red Wire - Continuous Power

- With the vehicle's engine OFF, use a voltmeter to locate a 12-volt BATTERY lead and attach the Red Wire by splicing directly to the lead or by using a wire tap (recommended). If attaching to a fused lead or using an inline fuse (not necessary), verify that it is at least 5 amps.
- Be careful not to confuse a "Retained Accessory Power (RAP)" line with a true Continuous Power line (12 volt, always ON line).
- To determine a true Continuous Power source:
 - 1) Ensure the Driver Door is OPEN.
 - 2) Select a wire.
 - 3) With vehicle's engine OFF, use a voltmeter to measure the DC voltage on the wire. It should show 12 VDC or higher.

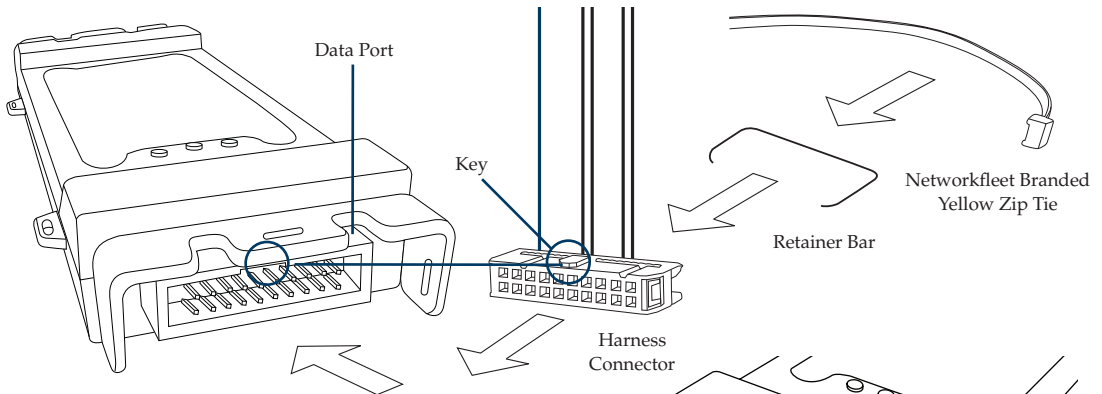
Blue Wire - Switched Power

- With the vehicle's engine OFF, use the voltmeter to locate an IGNITION line with switched power and attach the Blue Wire to the line by splicing directly to the lead or by using a wire tap (recommended).
- Do NOT use an inline fuse on this line.
- Do NOT use accessory power.
- To determine a switched power source:
 - 1) Ensure the Driver Door is OPEN.
 - 2) Select a wire.
 - 3) With the vehicle's engine OFF use voltmeter to measure the DC voltage on the wire.
It should show 0 VDC.
 - 4) Start the engine and confirm that the voltage of the same wire is 13.1 VDC or higher.
 - 5) Turn the vehicle's engine OFF and confirm that the voltage of the same wire is 0 VDC.

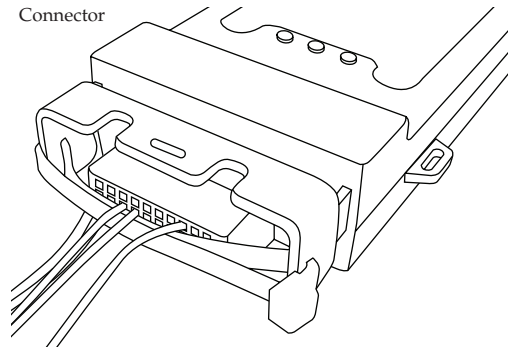


To complete installation proceed to next page

1. Connect the Harness Connector to the Dataport Interface.
2. Use Retainer Bar to secure the Harness Connector.
3. Use a Networkfleet branded yellow zip tie to create tamper evidence. Insert the zip tie through one end of the silver bracket and thread through the black, blue and red wires on the harness. If possible, position the zip tie so that the "DO NOT REMOVE" message is showing. Once the zip tie is in place across the back of the Harness Connector, tighten and remove the excess plastic.



Once all steps are complete, the device will look like this...



Installation Tip: The key on the Harness Connector must be facing toward the top of the Networkfleet device to properly connect.

1. Use enclosed alcohol preparation pad to clean the inside windshield where the antenna is to be placed. For proper operation, the antenna should be placed on flat, clear glass on the driver's side, lower left interior corner of the windshield.

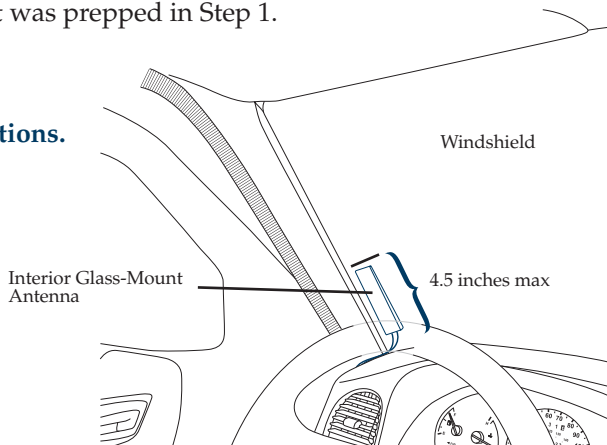
Ensure that the antenna does not extend more than 4.5 inches from the bottom of the interior windshield and is located outside the area swept by the windshield wipers.

Do NOT place the antenna in the following areas:

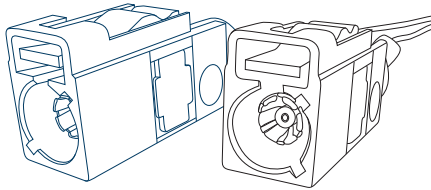
- Behind stickers or decals already on the glass
 - On the shade band of the glass
 - On a curved area of the glass
 - On a moist or damp area of the glass
 - On an area that will obstruct the driver's view
2. Run the cables up the door seam or up through the dashboard.
 3. Remove the protective-strip from the antenna to expose the adhesive.
 4. Carefully affix the antenna to the glass that was prepped in Step 1. Press the antenna firmly to the glass while being careful not to damage the antenna.

See page 15 for **Antenna Removal Instructions**.

Installation Tip: Please note that the ideal temperature range to perform the installation is between 70°F to 100°F (21°C to 38°C) with a minimum suggested application temperature of 60°F (15°C).



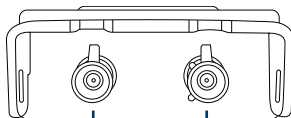
GPS Antenna Wire (blue)



Cellular Antenna Wire (maroon)

Connecting the Antenna Wires

- Each antenna wire should be plugged into the appropriate jack at the end of the unit. Although the antennas may appear similar, please note that the Cellular antenna is encased in a maroon end-cap and the GPS antenna is encased in blue.
- Each antenna wire should easily snap into the appropriate jack. No solder or excessive force is necessary.

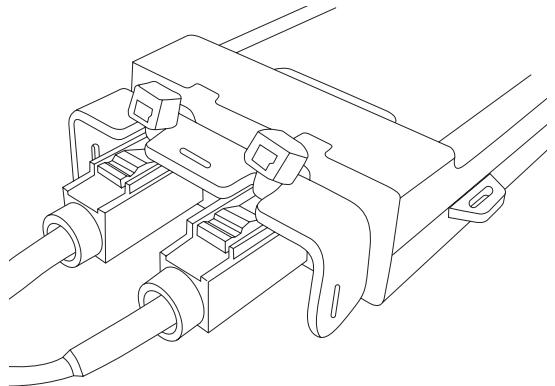


GPS Port

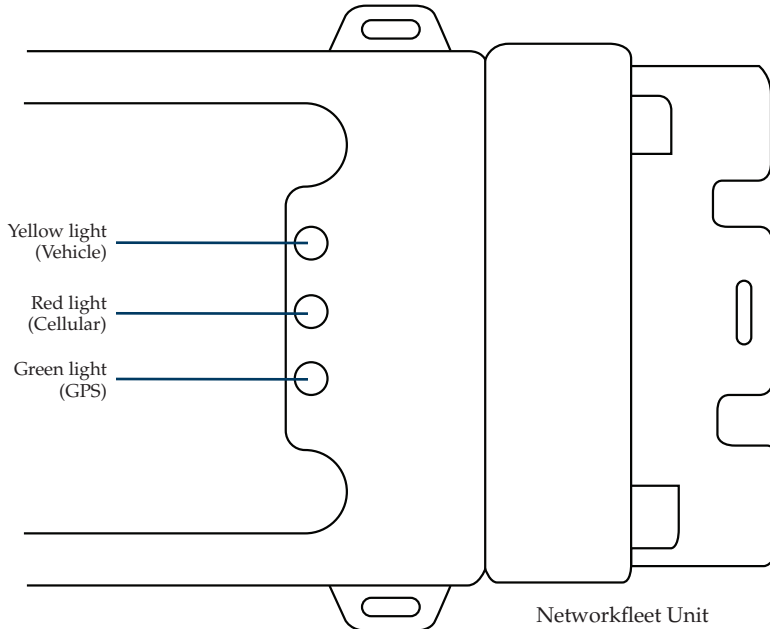
Cellular Port

Creating Tamper Evidence

- For the GPS and Cellular antennas, slide the end of the Networkfleet branded yellow zip tie into the cutaway section of the top of the device. If the antennas are plugged in correctly, the zip tie should slide through the top of the antennas' plastic cap. The zip tie should be looped through the silver bracket of the device as well as the plastic cap of the antenna cable. Lock the zip tie and cut the excess plastic to prevent the antenna cable from being unplugged.



1. Start the vehicle's engine. All lights (Red, Yellow, and Green) on the device should begin blinking rapidly (twice a second).
2. The device is operating normally when the rapid blinking ceases and the Yellow and Green lights begin to blink in a slow pattern (blinking off every 4 seconds). The Red light pattern will continue to vary and should not be used to verify installation.
3. The vehicle must be idled or driven for at least 10 minutes to reach normal operating mode and ensure activation is complete.



Before securing the device under the dashboard, make sure that you have recorded the VIN, hardware serial number, and odometer reading on the registration form. Also verify that you have checked the light indicators. After installation, provide the registration form to the fleet manager for delivery to Networkfleet.

PLEASE PRINT CLEARLY. ALL FIELDS MARKED WITH AN * ARE MANDATORY

Vehicle Information

Company/
Account Name* _____

Driver Name* _____
(Print First and Last Name)

Vehicle Label* _____
(Helps identify your vehicle on maps and reports)

VIN* _____
(Must be 17 characters for passenger vehicles)

Color of Vehicle* _____ Odometer* _____
(Enter all numbers at the time of installation except 1/10ths)

License Plate #* _____ State* _____

Networkfleet
Unit Serial #* _____
(10 digit number located on top of unit)

Vehicle Year* _____ Vehicle Make* _____ Vehicle Model* _____

Networkfleet Installer Information

Completion of the following section is MANDATORY if installation is performed by a Networkfleet installer

Parent Install Company* _____ Install Date* _____

Install Company (Sub-Contracted)* _____

Installer Name* _____ Certificate #* _____

Time In* _____ Time Out* _____

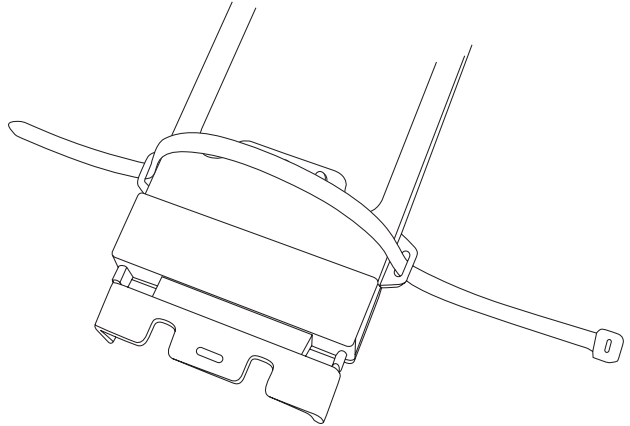
Have you verified successful installation using the light indicators?* (see installation guide for instructions)
 Yes No

Please check only one box to indicate the location where installation was performed:*
 Installer Site Customer Site

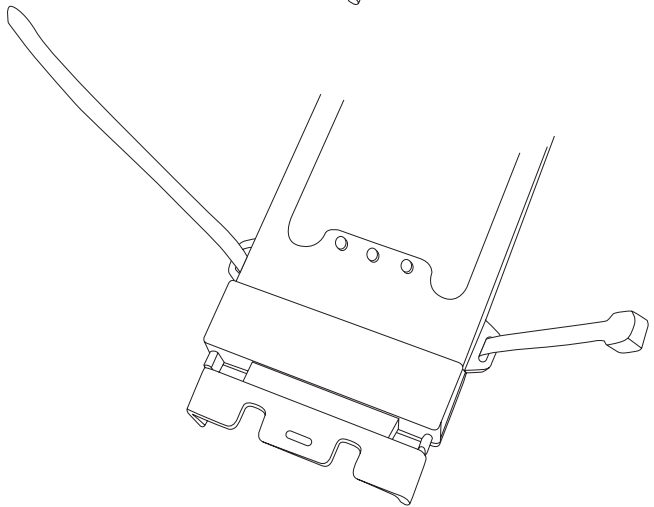
Case # _____

For assistance registering your Networkfleet device call Customer Care at 866-227-7323
networkfleet | www.networkfleet.com | v061709

1. Use zip ties to fasten the device securely to a stable bracket or wire bundle under the dash.



2. Loosely bundle the antenna's excess cable and secure it away from moving parts. Bundling it too tight will have a negative effect on its performance.



Issue: Red light continues to blink rapidly

- Solution:**
- Verify antenna connection to device and assess antenna for damage.
 - Verify antenna is installed correctly on the interior glass.
 - Verify SIM card is active.
 - Contact Customer Care to confirm network coverage availability.

Issue: Yellow and Green lights continue to blink rapidly even when vehicles ignition is on

- Solution:**
- Verify the ignition line (blue wire) is installed properly. The ignition line needs at least 4 volts to detect key on.

Issue: Green light continues to blink rapidly

- Solution:**
- With the vehicle's engine OFF, unplug the device for 3 minutes and check each item below before reconnecting:
 1. Disconnect the GPS antenna wire, and check the antenna wire and connector for damage.
 2. Reconnect the GPS antenna wire connector to the GPS port.
 3. Reconnect device, start engine and keep the vehicle idling or drive it for 10-15 minutes.

Issue: Yellow light stays on solid

- Solution:**
- Verify cellular antenna connection to device (maroon end-cap).
 - Verify that the antenna was properly installed.
 - Make certain that the antenna has a clear view of the sky and is not blocked by an underground parking structure or trees.
 - Wait 15 minutes with the vehicle's engine on.
 - Verify web portal activation has been completed.

Issue: Green light stays on solid

- Solution:**
- Verify GPS antenna connection to device (blue end-cap).
 - Verify that the antenna was properly installed.
 - Make certain that the antenna has a clear view of the sky and is not blocked by an underground parking structure or trees.

General

Q: What is the power draw for the device?

A: Normal operating mode: 30 mA (typ) @ 14V - Sleep mode: 13 mA (typ) @ 12V

Q: When installing the 4200 device, is it necessary to hardwire a fuse for the constant or switched power connections?

A: No, an inline fuse is not necessary because there is an internal re-settable fuse.

Antenna

Q: Is the 4200 antenna interchangeable between other Networkfleet product lines?

A: While the 4200 antenna is interchangeable between other Networkfleet product lines, all Networkfleet devices are only certified to operate with the antenna that is originally provided/shipped with the device.

Q: Can the glass mount antenna be installed in the A-Pillar?

A: No, the glass mount antenna is designed so that it will only function properly with a clear view of the sky which is best achieved by placing it on the glass windshield.
- Refer to page 8.

Q: I need to do a unit transfer. Can I re-use the antenna? How do I remove it from the glass?

A: Yes, you can re-use the antenna on another vehicle. However, the adhesive on the antenna is one-time use only and will not function properly after it is removed. To re-use the antenna you must purchase a re-installation kit. Contact Customer Care at 866.227.7323 for more information.

Instructions for Antenna Removal

Because of the strength of the antenna adhesive, use a razor for removal. You may need an adhesive remover (like Goo Gone) to remove excess adhesive residue from the glass.

1. To remove the antenna with a razor, peel a small section of the antenna off of the glass and slide the razor between the glass and the antenna.
2. Using a sawing motion, carefully remove the antenna from the glass and discard.

If you have any additional questions, you may contact
Networkfleet Customer Care:

Toll Free Number: 866.227.7323

Fax: 815.361.9215

Email: customercare@networkfleet.com

www.networkfleet.com

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