

WARNINGS



WARNING

Improper cable installation can interfere with the vehicle pedals, or steering.

Interfering with the pedals, or steering can cause a crash that results in serious injury or death.

Mount the cables so that they do not interfere with the brake, accelerator, clutch, or steering wheel.



DANGER

Using a test light to probe vehicle wiring can cause the AIRBAGS to FIRE.

Airbags firing while working near the vehicle dash, or steering can cause serious injury or death.

Never use a test light to probe wiring. USE VOLT-OHM METER ONLY.

D-430 Hardware

Quick Install Guide



SYSTEM VERIFICATION AND TROUBLESHOOTING

LED INDICATORS

LED 1 STATUS (Left-side LED)	LED 2 STATUS (Right-side LED)	DESCRIPTION	POSSIBLE SOLUTIONS
Flashing RED	OFF	Device is booting up and flashing RED should last for 15 seconds.	N/A
OFF or solid RED or flashing RED for more than 15 seconds	OFF	There is an error.	Please contact support.
GREEN	GREEN	Privacy mode is OFF. Inward camera is ON and recording.	N/A
GREEN	RED	Privacy mode is ON. Inward camera is OFF and not recording.	N/A
GREEN	OFF for more than 10 seconds	There is an error.	Please contact support.

**Note:** If driver-facing camera is disabled, LED 2 will always be RED. But this does not indicate that Privacy Mode is ON.

The Privacy Mode is activated only if the conditions mentioned in the “Privacy Mode” section are met. The Camera is ready to record after the 25 seconds boot-up time.

After ignition key/vehicle is OFF, camera recording is based on “Recording Options” set by the Safety Manager.

PRIVACY MODE

**Automatic Privacy Mode:** Enabled automatically when the vehicle speed is 0 MPH/KPH for 3 to 4 minutes. In this case, LED 1 is GREEN, and LED 2 turns from GREEN to RED.

**Note:** Drivetri works in units of “minutes”, so if the vehicle became stationary in the 1<sup>st</sup> second of “a minute”, the device may take up to 3 min 59 sec of idling before privacy mode is enabled.



# OPERATING REQUIREMENTS AND CONDITIONS

The design of Netradyne D-430 complies with U.S. Federal Communications Commission (FCC) guidelines respecting safety levels of radio frequency (RF) exposure for Mobile devices.

## RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimetres between the radiator and your body.

## FCC PART 15 STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. See 47 CFR Sec. 15.105(b). These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and the receiver.

Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2AM8R-D430

Company number 23098

IC : 23098-430

## FCC CAUTION STATEMENT FOR MODIFICATIONS

CAUTION: Any changes or modifications not expressly approved by Netradyne could void the user's authority to operate the equipment

## IC Caution:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF exposure statement:

The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;

2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Déclaration d'exposition RF:

L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

# GETTING STARTED AND GUIDELINES

## PARTS LIST

- D-430 Driveri Device
- Driver Information Card
- Power and Cellular/GPS Module Cable
- Power/CAN Adapter Cable
- Cable Zip ties
- 36" of Wire Split-Loom

## PARTS REQUIRED

- Self-Install Kit/Truck Specific Adapter Cable
- ≥91% Rubbing/Denatured Alcohol
- Dry, Clean, Lint Free Cloth

## TOOLS REQUIRED

- Netradyne Installer App (iOS or Android)
- Vehicle Dash removal tools
- Volt/Ohm Meter
- Flush Cutters
- Crimping Tool
- Wire Strippers
- Drill/Screwdriver
- T10 and T20 security Torx tool
- Magnetic tip is highly recommended
- Heat Gun/Mini Butane Torch
- Sandpaper/Emory Cloth
- Loctite 425 (plastic-friendly)
- Small level

## GUIDELINES

- Install D-430 camera on windshield with clear, unobstructed view through the windshield and with a clear view of center of the road.
- Mount according to applicable federal, state, and local laws and regulations.
- Connect ignition wire only to ignition, **not the accessory.**

## Installation Steps

Using **INSTALLER APP** is recommended for proper installation and functioning of the device.

1. Select mounting location. Consider the following points in order of importance:
  - a. Driver vision and no obstructions for inward and outward camera.
  - b. Place within the windshield wiper swipe zone.
  - c. Place as close to vehicle centerline as possible while considering points A and B.
2. Once location is determined, use the ≥91% Rubbing/Denatured Alcohol to clean the area. Wipe away residue with dry, clean, lint free cloth. Under cold/humid climate conditions, you may need to defrost the windshield or heat the mounting area with a heat gun/mini torch to reach approximately 72°F for good VHB adhesion eliminate excess moisture. Wipe with clean cloth again.  
**Caution:** Use extreme caution while heating the windshield area and not leave the heat source at one location for extended period of time.
3. Remove the protective cover on the 3M VHB tape. Attach to windshield after making sure device is lined up and in level with the road and side-to-side. Remove device from bracket and apply pressure to brackets for VHB adhesion. Check the windshield from outside to ensure that all bubbles are pressed out. Apply Loctite® 425 to the mounting screws, and re-mount device only after verifying with the views of the camera with the Installer app.
4. Route and connect power cable to the vehicle specific adapter cable OR manually connect the Power, Ground, Ignition, and CAN wires per the steps in the Wire Routing and Connections section. Route and place the Cellular/GPS module on the front corner of the dash near the windshield so it has a clear view of the sky. Be sure that skyward arrow is pointing upwards.
5. **INSTALLER APP:** Use the installer app for system verification, pair Driveri to vehicle, and stream camera live views. Adjust the camera to ensure that the outward view only captures minimal vehicle hood.

Power and Cellular/GPS module/cable can be routed in opposite directions, if necessary. Generally, route all cables towards power connections.

- Route power cable and Cellular/GPS module through headliner (using the included Split-Loom to help secure and protect cabling) and down the A-pillar.
- Attach Cellular/GPS module to the front corner of dash towards the windshield making sure the “SKYWARD” arrow is pointing up. (***Make sure surface has been cleaned with alcohol wipe prior to sticking it to the dash***).
- Continue routing power cable towards preferred electrical connection area. Store excess cabling inside the dash, securing with zip ties to existing wires/cables. It is highly recommended that you use a truck specific adapter cable that plugs directly into the white 6-Pin Molex connector on the Power Cable. (Refer to ‘Adaptor Cable Guide’).
- If you prefer to do a self-install/manual connection without the adapter cable, cut the white Molex connector off and make the following connections:
- Connect **BLACK** ‘GND’ to an existing truck ground wire, ground terminal post or chassis. (If using a chassis ground with self-drilling screw, use an Emory cloth or sandpaper to remove paint and expose bare metal).
- Connect **RED** “BAT” wire to 12v Battery constant using an inline 5amp fuse.
- Connect **WHITE** ‘IGN’ wire to 12v switched ignition power only, using an inline 2amp fuse. (There should be no power on this connection when key is in the OFF, or Accessory Position).
- Connect the **YELLOW** ‘CAN\_HIGH’ wire to the CAN\_HIGH wire of the vehicles data bus.
- Connect the **GREEN** ‘CAN\_LOW’ wire to the CAN\_LOW wire of the vehicles data bus.
- Secure all wires and cables with the provided cable zip ties.

## CUSTOMER SUPPORT

Detailed installation instructions can be downloaded at

<https://www.netradyne.com/support>.

Contact Customer Support via phone or email:

• 1-833-GRN-ZONE (1-833-476-9663)

• support@netradyne.com

To initiate an RMA, Email - support@netradyne.com

### DETAILS TO COLLECT AT INSTALL:

Date and Time of Install: \_\_\_\_\_

Customer Name: \_\_\_\_\_

Location: \_\_\_\_\_

Vehicle #: \_\_\_\_\_

Vehicle Make/Model/Year: \_\_\_\_\_

VIN: \_\_\_\_\_

License Plate #: \_\_\_\_\_ GVWR (lbs.): \_\_\_\_\_

Vehicle Equipped with Master Disconnect Switch? YES / NO

Master Disconnect Switch Bypassed? YES / NO

Butane Torch or Heat gun used due to cold/humid weather?

YES / NO

Device Serial #: \_\_\_\_\_

Installer App Used? YES / NO

System Verification Completed? YES / NO

Install Report Uploaded successfully YES / NO