



USER GUIDE

10.4" TOUCHSCREEN DISPLAY
POWERED BY RIDE COMMAND
RCIP-1040

POLARIS
Think Outside



WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and on all product labels.

Failure to follow the safety precautions could result in serious injury or death.



WARNING

Operating, servicing, and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

For more information, go to P65Warnings.ca.gov/passenger-vehicle.



***For videos and more information
about a safe riding experience with
your Polaris vehicle, scan this QR
Code with your smartphone
or visit: polaris.com/en-us/safety/***



**10.4" Touchscreen Display
Powered by RIDE COMMAND
User Guide**

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The original instructions for this vehicle are in English. Other languages are provided as translations of the original instructions.

Printed in U.S.A.

10.4" Display Powered by Ride Command User Guide Rev 01



Welcome to RIDE COMMAND for POLARIS. This intuitive display gives you access to a variety of interactive features and access to your vehicle's custom information.

For a safe and enjoyable riding experience with your new display, please read your vehicle's owner's manual and this user's guide. If you need additional assistance with display operation or software updates, please see your authorized POLARIS dealer or visit <https://ridecommand.polaris.com/en-us/>.

For the latest information about your POLARIS display powered by RIDE COMMAND, including software updates, please visit <https://ridecommand.polaris.com/en-us/>.

WARNING

Do not enter information while operating your vehicle. Failure to pay attention to the operation of your vehicle could result in loss of control, injury, or death. You assume all risks associated with using this device. Read your user's guide thoroughly and always drive with the latest maps and road data from <https://ridecommand.polaris.com/en-us/app/display>.

SAFETY SYMBOLS AND SIGNAL WORDS

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.

DANGER

DANGER indicates a hazardous situation which, if not avoided, **WILL** result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, **COULD** result in death or serious injury.

CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **COULD** result in minor to moderate injury.

NOTICE

NOTICE provides key information by clarifying instructions.

IMPORTANT

IMPORTANT provides key reminders during disassembly, assembly, and inspection of components.

The Prohibition Safety Sign indicates an action **NOT** to take in order to avoid a hazard.



The Mandatory Action Sign indicates an action that **NEEDS** to be taken to avoid a hazard.



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INTRODUCTION

BEFORE YOU RIDE

Before riding with your new display, do the following:

- Read this section and the Ride Command User Guide in their entirety.
- Familiarize yourself with the features and operations of the display while the vehicle is stationary.
- Download the Polaris RIDE COMMAND App from the Apple® App Store® or Google Play® store and create your personalized account.
- Check your display to ensure you have the appropriate maps and trails visible for your area. To change or update maps/trails see page 49.
- Check <https://www.polaris.com/en-us/owners-manuals/> for the latest updates to the owner's manual.

NOTICE
Trails change often, and the trail data file is only considered valid for 90 days after the release date. Please keep your trail data up to date. Download the latest trails at https://ridecommand.polaris.com/display

NOTICE
Using the display for an extended period of time while the vehicle's engine is off can drain the battery.

INTRODUCTION

DEVICE COMPLIANCE STATEMENTS

This device complies with the FCC RF exposure limits for general population.

The V2V/GPS antenna is factory installed in-vehicle at a distance greater than 20 cm from the user and is not replaceable by the end user.

CAUTION STATEMENT

If this equipment does cause harmful interference to radio or television reception, with 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 distance between the equipment and receiver.
- Connect the equipment into 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.

USA RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

Component	Polaris Ride Command
Component ID	RCIP-1040
FCC ID	2AOW7-RCIP-1040V1
Manufacturer	Polaris Industries Inc.

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.



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Detachable Antennas

Manufacturer	Amphenol
Part Number	4019300
Wireless Feature	V2V
Impedance	50 ohm
Max. Gain	1.1 dBi

CANADA RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

Component	Polaris Ride Command
Component ID	RCIP-1040
IC ID	5966A-RCIP1040V1
Manufacturer	Polaris Industries Inc.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-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.

IMPORTANT

For applications that use vehicle-to-vehicle (V2V) communication, radio transmitter IC: 5966A-RCIP1040V1 has been approved by Innovation, Science and Economic Development Canada (ISED) to operate with the Polaris antenna (part number 4019300) with gain of 1.1 dBi. Any antenna that has a gain greater than 1.1 dBi is prohibited for use with this device.

INTRODUCTION

CONFORMITÉ AUX NORMES CANADIENNES RELATIVES À LA RADIOFRÉQUENCE

Ce véhicule contient l'équipement de radio ou les composants qui contiennent l'équipement de radio suivants :

Composant	Polaris Ride Command
ID du composant	RCIP-1040
ID de l'IC	5966A-RCIP1040V1
Fabricant	Polaris Industries Inc.

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.

IMPORTANT

Pour des applications qui utilisent la communication de véhicule à véhicule (V2V), l'IC de l'émetteur radio : 5966A-RCIP1040V1 a reçu l'autorisation d'Innovation, Sciences et Développement économique Canada (ISDE) d'utiliser l'antenne Polaris (numéro de pièce 4019300) avec un gain de 1,1 dBi. Il est interdit d'utiliser une antenne présentant un gain supérieur à 1,1 dBi avec cet appareil.

EUROPEAN UNION (EU) RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

Component	Polaris Ride Command
Component ID	RCIP-1040
Manufacturer	Polaris Industries Inc.
*Transmitting Frequency	2402 - 2480 MHz
Max RF Transmitting PWR	0.1 W
*Other transmitting radio frequencies may exist outside of EU markets.	

Hereby, Polaris Industries Inc. declares that the above radio equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.polaris.com/en-us/radio-conformity/>



MEXICO RADIO COMPLIANCE

This equipment has been designed to operate with the antennas that are listed immediately and with a maximum antenna gain in 1.1 dBi. Using antennas not included in this list or having a gain greater than 1.1 dBi is prohibited. The impedance of the antenna required is 50 ohm.

La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.



ARGENTINA RADIO COMPLIANCE



AUSTRALIA RADIO COMPLIANCE



NEW ZEALAND RADIO COMPLIANCE

R-NZ

SOUTH AFRICA RADIO COMPLIANCE



ISRAEL RADIO COMPLIANCE

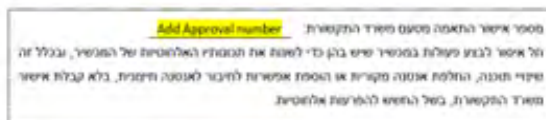
David Lubinski Ltd.

3 Mark Moshevitze st.

Rishon LeZion

Israel 7559901

Label for indoor and outdoor product:



Unofficial translation: MoC Confirmation Certificate number: _____.

It is forbidden to carry out actions on the device that would change the device's wireless features, including software changes, replacing the original antenna or adding the possibility of connecting to an external antenna, without obtaining the approval of the Ministry of Communications, due to the fear of wireless interference.

Model Number / Type Designation מספר דגם / ייעוד סוג	RCIP-1040
Importer Name & Address שם וכתובת היבואן	Polaris Industries Inc. 2100 Hwy 55 Medina, MN 55340 פולריס תעשיות בע"מ כביש 55 מספר 2100 מדינה, מינסוטה 55340
Manufacturer יצרן	Polaris Industries Inc. פולריס תעשיות בע"מ
Country of Origin ארץ מוצא	USA ארצות הברית
Year of Production שנת ייצור	2025 אלפיים עשרים וחמש

INTRODUCTION

RADIO COMPLIANCE STATEMENTS

The following statements apply to radio components offered with this vehicle. These include but may not be limited to the touchscreen display.

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 device complies with FCC RF radiation exposure limits for general population.

The V2V/GPS antenna is factory installed in-vehicle at a distance greater than 20 cm from the user and is not replaceable by the end use.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-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.

CAUTION

This equipment complies with part 15 of the Federal Communications Commission (FCC) rules.

These requirements are intended 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 receiver.
- Connect the equipment into 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.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This vehicle contains the following radio equipment or components that contain radio equipment:

COMPONENT	COMPONENT ID	MANUFACTURER
Polaris Ride Command	RCIP-1040	Polaris Industries Inc.

Hereby, Polaris, Inc. declares that the above radio equipment is in compliance with EU Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.polaris.com/en-us/radio-conformity/>

INTRODUCTION

REGULATORY INFORMATION

Follow the directions below to view Regulatory Information on the Display.

Desktop Experience:

1. Open a web browser on your computer and go to *polaris.com/en-us/radio-compliance*
2. Click on **Off-Road Vehicles**
3. Component information will be displayed

Mobile Experience:

1. Scan the QR code on the back of the display to open the Polaris Radio Compliance website
2. Tap **Off-Road Vehicles**
3. Component information will be displayed; swipe/scroll to the right to view Regulatory Information

FEATURES AND CONTROLS OVERVIEW



① Ride Command Buttons

② Menu Bar

③ Widgets

④ Vehicle Speed / Driveline Mode /
Gear Indicator / DYNAMIX Ride
Mode

⑤ Icon Bar

⑥ Gauge View Mode

⑦ Speedometer/Tachometer

⑧ Customize Gauge Screen

RIDE COMMAND BUTTONS



ICON	DESCRIPTION	FUNCTION
①	Gauge	Displays available gauge screens
②	Controls	Displays slider to adjust display brightness, switch between day and night modes, manage seat heating and ventilation settings, and more
③	Music Volume	Controls the audio volume. Press the dial to mute audio
④	Music	Access the Radio, Weather, USB, and connected Bluetooth® music interface
⑤	Phone / Headset	Access information on your Bluetooth® connected phone, including recent calls, contacts, dialer, and messages

DRIVELINE MODE

ICON	DRIVELINE MODE	DESCRIPTION
	All Wheel Drive (AWD) Lock	When in All-Wheel Drive Lock, the front drive is engaged with the front differential in the locked state. The locked state drives all wheels at the same speed which will increase steering effort and changes the handling characteristics from the AWD mode. If switched to AWD Lock when vehicle speed, accelerator pedal position, and engine RPM are above activation limits, AWD Lock will not engage until vehicle speed, accelerator pedal position, and engine RPM are decreased.
	All Wheel Drive (AWD) Unlock	When in All-Wheel Drive, the front drive is engaged with the front differential in the open state. The open state allows the front wheels to spin at different speeds for improved turning ability. If switched to AWD Unlock when vehicle speed, accelerator pedal position, and engine RPM are above activation limits, AWD Unlock will not engage until vehicle speed, accelerator pedal position, and engine RPM are decreased.
	Two-Wheel Drive (2WD)	When the switch is set to 2WD the vehicle is in two-wheel drive at all times.

NOTICE

Severe damage to the drive train may occur if the AWD is engaged while the wheels are spinning. Always allow the wheels to stop spinning before engaging AWD.

FEATURES AND CONTROLS

GAUGES

Press the Gauges button ① to toggle between the two preconfigured gauges. Additional gauges can be added or removed as needed.

GAUGE VIEW MODE

Tap ② to toggle between the two available gauge view modes, **Analog** and **Digital**.

While in the digital gauge view mode, press ③ to invert the MPH and RPM units.

CUSTOMIZE GAUGES

Each gauge is customizable and can be set up in the following configurations:

- Four round widgets
- Two round widgets and a list of three data values
- A list of five data values

To edit gauges, tap **Customize** ④ located in the lower right corner of the display. Select the layout and data values to display on the gauge. When finished customizing, tap **Done**.



DISPLAY MODE

Press the Controls button to choose the display mode. The display can be set to Day, Night, or AUTO mode.

Tap the AUTO check box to allow the screen to adjust automatically based on ambient light conditions.

Day Mode



Night Mode



FEATURES AND CONTROLS

ICON BAR



ICON	DESCRIPTION	FUNCTION
①	Phone / Headset	Displays when phone and headset are connected via Bluetooth®
②	Signal Strength	Displays current cell signal strength
③	WiFi / Mobile Hotspot	Displays current signal strength of WiFi or Mobile Hotspot
④	Fuel Level	Displays current fuel capacity percentage
⑤	Vehicle Direction	Displays vehicle direction
⑥	Ambient Temperature	Displays ambient temperature
⑦	Clock	Displays current time

CONNECTING TO WI-FI

Follow the steps below to connect to a Wi-Fi network:

1. Tap the **Menu** icon at the lower right of the screen.
2. Navigate to **Settings**, select **General**, then tap **Wi-Fi**.
3. Toggle the Wi-Fi switch to ON.
4. Select the desired network from the list of available networks. Enter the password if necessary.
5. After a successful connection, the selected network will appear at the top of the list with a status of CONNECTED. Additionally, the Wi-Fi icon will be displayed in the upper-left corner of the screen.

NOTICE

If connecting to a mobile hotspot, ensure the hotspot is enabled. See the articles below for more information:

- *Creating a Mobile Hotspot and Tether with your Android®*
- *Creating a Personal Hotspot with Your iPhone®*

FEATURES AND CONTROLS

PIN ACTIVATED SECURITY SYSTEM (P.A.S.S.) – RIDE COMMAND

The optional PIN Activated Security System (P.A.S.S.) is to prevent unauthorized use. When enabled, the vehicle cannot be operated until a valid passcode has been entered using the Ride Command display screen.

ENABLE P.A.S.S.

NOTICE

After activating P.A.S.S. for the first time you must power down the vehicle and allow the electronic control module (ECM) to fully shutdown before restarting. This may take up to three minutes.

1. Press the Menu icon located in the lower-right corner of the screen, then select the Settings option.
2. Select Vehicle Settings from the left toolbar.
3. Select Engine Start Lockout.
4. If this your first time activating P.A.S.S. you will be prompted to enter a new passcode. Enter and verify new passcode.
Please record your passcode.
5. Turn Engine Start Lockout from No to Yes.
6. Turn off the vehicle using the key ignition switch.

NOTICE

If the battery becomes low while the P.A.S.S. system is enabled, the gauge may show "New Vehicle Detected" after the battery has been recharged/replaced. Leave the key in the ON position to allow system reconfirmation.

DISABLE P.A.S.S.

1. Press the Menu icon located in the lower-right corner of the screen, then select the Settings option.
2. Select Vehicle Settings from the left toolbar.
3. Select Engine Start Lockout.
4. Enter passcode to disable P.A.S.S.
5. Turn Engine Start Lockout from Yes to No.

DYNAMIX DV ACTIVE SUSPENSION OVERVIEW

WARNING

Driving while distracted can result in loss of vehicle control, crash, and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off of driving. Your primary responsibility is the safe operation of your vehicle.

DYNAMIX DV Active Suspension offers unprecedented control and comfort for any riding condition you experience with your RZR. The DYNAMIX DV Active Suspension is an electronically controlled suspension system designed to optimize vehicle comfort and handling through continuously monitoring the driver's inputs and vehicle motion, to control the suspension in real-time.

DYNAMIX DV Active Suspension features FOX® electronically controlled shocks driven by a custom Polaris-designed suspension control module (SCM). The suspension control algorithms and software were designed and developed by Polaris' engineering team, leveraging our expertise and deep knowledge of off-road vehicle dynamics. DYNAMIX DV Active Suspension proactively makes split-second adjustments based on operator inputs, controlling the shocks to achieve optimum performance, control, and stability under varying riding conditions and driving styles.

WARNING

Do not enter information while operating your vehicle. Failure to pay attention to operating your vehicle could result in loss of control, injury, or death. You assume all risks associated with using this device. Read your User Guide. Always ride with the latest maps and trails data from *ridecommand.polaris.com*.

Your vehicle is equipped with an advanced Ride Command display. The suspension control screen provides additional information about the operation of your DYNAMIX DV Active Suspension system.

DYNAMIX DV ACTIVE SUSPENSION



- ① Accelerator Pedal Position
- ② Engine Temperature
- ③ Gear Indicator
- ④ Vehicle Speed
- ⑤ Driveline Mode Indicator

- ⑥ DYNAMIX Ride Mode Indicator
- ⑦ Pitch Angle
- ⑧ Roll Angle
- ⑨ Angle / G-ball Selector



- | | |
|-----------------------------------|--|
| ⑩ Front Left Compression Damping | ⑰ Steering Angle |
| ⑪ Front Left Rebound Damping | ⑱ Front Right Rebound Damping |
| ⑫ Event Indicator | ⑲ G-ball (Longitudinal/Lateral Acceleration) |
| ⑬ Rear Left Compression Damping | ⑳ Rear Right Compression Damping |
| ⑭ Brake Switch | ㉑ Rear Right Rebound Damping |
| ⑮ Rear Left Rebound Damping | |
| ⑯ Front Right Compression Damping | |

COMPRESSION AND REBOUND SWEEP

NOTICE

Compression sweep shown. Rebound sweep works similarly but from the bottom.



① Softer

② Stiffer

DYNAMIX DV SYSTEM COMPONENTS

SUSPENSION CONTROL MODULE (SCM)

The Suspension Control Module (SCM) contains the logic for suspension control, including communications, operator inputs, and shock drivers. The SCM also has an internal 6-axis inertial measurement unit which is used to monitor and adjust the performance of the vehicle by the suspension control algorithms.

⚠ CAUTION

Moving or altering the orientation of the SCM may have an adverse effect on vehicle handling. Never move the SCM from its factory mounting location.

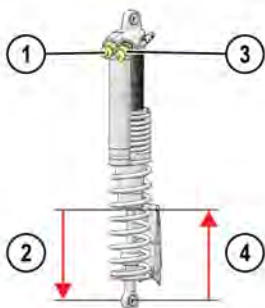
ELECTRONIC SHOCK DAMPING CONTROL

Your suspension has electronically controlled, independent compression and rebound shock damping. This is used to control how fast the shocks compress and extend.

Compression Damping: Force acting against a shock movement in the compressing direction (shock length becoming shorter). When a shock is being compressed, lower compression damping results in faster compression movement and higher compression damping results in a stiffer, slower compression movement.

Rebound Damping: Force acting against a shock movement in the extension direction (shock length becoming longer). When a shock is being extended, lower rebound damping results in faster extension movement and higher rebound damping results in a slower extension movement.

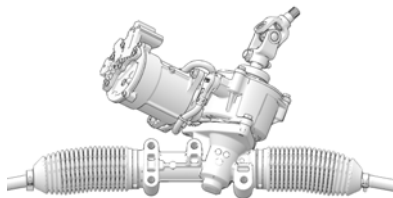
- ① Rebound Valve
- ② Rebound Damping
- ③ Compression Valve
- ④ Compression Damping



ELECTRONIC STEERING RACK (EPS)

This vehicle also has an electronically controlled power steering rack that has been developed to work with the DYNAMIX DV system in multiple ways:

- This power steering has modes that adjust the power steering performance to the DYNAMIX DV ride setting.
- Damping logic allows for the EPS to maximize assist levels.
- The power steering logic was specifically tuned to counteract hits coming from the vehicle wheels and isolate the driver from feeling these torque spikes in their hands.



These electronically controlled systems work together to provide a full vehicle ride and handling mode that can be easily selected by the driver.

DYNAMIX DV RIDE MODES

There are four Ride Modes with pre-defined suspension and steering settings to tailor the ride and handling to known uses and conditions. The Ride Modes are summarized below.

WARNING

The rider should use caution to select the appropriate ride mode to match the current terrain conditions and driving style. Failure to select an appropriate ride mode could lead to vehicle dynamic behaviors not matched to the terrain or driver's skill level.

NOTICE

The system will prevent mode transitions when a current active vehicle state is present (cornering, braking, accelerating, or airborne).

ICON	NAME	SUSPENSION DESCRIPTION	ELECTRONIC POWER STEERING DESCRIPTION
	Baja Mode	High compression and low rebound damping for large and aggressive suspension events.	Good feeling of the front wheels with excellent bump rejection.
	Rock Mode	High compression and low rebound with angle based damping adjustments for maneuvering through rockier terrain. At higher vehicle speeds, damping becomes similar to Comfort Mode.	High assist level and bump rejection for low steering effort when maneuvering in rocks.

DYNAMIX DV ACTIVE SUSPENSION

ICON	NAME	SUSPENSION DESCRIPTION	ELECTRONIC POWER STEERING DESCRIPTION
	Track Mode	Low compression and high rebound damping for aggressive cornering events.	Best feeling of the front wheels for aggressive cornering events.
	Comfort Mode	Low compression and rebound damping to allow the shock to move and absorb smaller suspension events.	High assist level and bump rejection for low steering effort and maximum comfort.

Ride Modes can be cycled through using the “up/down” button on the steering wheel. It will not cycle from top to bottom with an “up” button press.

Notice the Mode Slide Out panel shows the active mode and the order/position. Ride Modes are described in more detail in the following sections.



DYNAMIX DV ACTIVE SUSPENSION

BAJA MODE

MODE CHARACTER

The vehicle rides at a high dynamic ride height with front end high and loose body movement. Ideal for rough/large input terrain.



USE AREAS

- Desert/Baja
- Whoops
- Sand highway in Glamis

WHAT THE SUSPENSION IS DOING

Compression Damping: High compression damping for absorbing bumps and not bottoming out in deep holes.

Rebound Damping: Low rebound damping allowing maximum shock extension for absorbing next bump. Slightly more rebound damping in the rear to stabilize chassis and provide front high feel.

Active Events: Very aggressive vehicle events so cornering, braking, and acceleration can still be done aggressively. On short duration Airborne events the dampers are biased to keep the nose high so that the vehicle leans back when traversing whoops.

WHAT THE STEERING SYSTEM IS DOING

Large input bump rejection. Medium assist level with a good balance between feeling the front-end grip and turning effort.

ROCK MODE

MODE CHARACTER

Developed for rock crawling. It maximizes ride height and improves pitch and roll stability during slow speed crawling maneuvers. Ideal for driving over obstacles and traversing hill peaks. Incorporates Angle Based Damping. Phases to Comfort Mode at higher speeds.



USE AREAS

- Slow speed rock crawling
- Moab
- Technical sections of King of Hammers

WHAT THE SUSPENSION IS DOING

Compression Damping: Damping is increased on downhill side shocks and decreased on uphill shocks to lean the vehicle into the obstacle or slope.

Rebound Damping: Low rebound damping when level to promote shock extension and increase ground clearance. Damping is increased on uphill shocks to lean the vehicle into the obstacle or slope.

Active Events: Angle based damping is active at low speeds. At high vehicle speeds this mode is the same as Comfort Mode.

WHAT THE STEERING SYSTEM IS DOING

Large input bump rejection. High assist level so that the driver does not become fatigued while rock crawling.

TRACK MODE

MODE CHARACTER

Brings aggressive flat cornering, lowest dynamic ride height, and the best tire grip and feedback. The vehicle rides with a lower stance that is ideal for heavy turning trails, hard pack and small/medium bumps.



USE AREAS

- Aggressive cornering
- Dune (in the dunes)
- Short course racing
- Tight twisty trails

WHAT THE SUSPENSION IS DOING

Compression Damping: Low compression damping for a low dynamic ride height.

Rebound Damping: High rebound damping for a low dynamic ride height and tight feeling vehicle.

Active Events: Very aggressive vehicle events, cornering, braking, and acceleration. This mode keeps the vehicle flat and stable with balanced tractions for cornering.

WHAT THE STEERING SYSTEM IS DOING

Medium assist level so that the driver has the best feel of the front-end grip. Bump rejection features are still aggressive to minimize torque spikes felt in the steering wheel.

COMFORT MODE

MODE CHARACTER

Developed to maximize ride comfort to give the passengers a “plush” ride. Ideal for non-aggressive driving and rides with smaller suspension inputs, such as cruising home at the end of the day.



USE AREAS

- Any non-aggressive driving
- Washes

WHAT THE SUSPENSION IS DOING

Compression Damping: Low damping to maximize ride comfort.

Rebound Damping: Low damping to maximize ride comfort.

Active Events: Low aggressiveness on the active events. They respond as needed but are tuned to optimize ride comfort.

WHAT THE STEERING SYSTEM IS DOING

High assist level to make the vehicle easy to steer and reduce operator fatigue.
High input bump rejection.

DYNAMIX DV SYSTEM FEATURES

NOTE

These features are tuned differently based on the selected Ride Mode.

ACTIVE PITCH CONTROL

DYNAMIX DV constantly monitors pedal input and engine torque to predict when the vehicle is going to pitch forward or backward and applies damping to control the motion. This functions at all speeds and scales based on how much the throttle position is changing and how hard the vehicle is expected to pitch.

ACCELERATION CONTROL

The system continuously monitors vehicle speed, accelerator pedal position, and engine torque to reduce vehicle pitch body motion and optimize damping for different types of vehicle acceleration. For example, when you hit the accelerator pedal from a stop, the dampers are optimized based on which ride mode selected to achieve the desired pitch and traction response.



BRAKING CONTROL

The system continuously monitors the brake pedal position and vehicle deceleration rate reducing body motion and increasing braking stability in harsh terrains. This is the opposite of Acceleration Control. During hard braking events, the system will increase front compression to prevent vehicle nose dive, soften the rear compression damping to absorb braking bumps, and increase the rear rebound damping to control vehicle pitch.



CORNERING CONTROL

Shock compression and rebound damping are adjusted when cornering. The inside shocks increase in rebound damping while the outside shocks increase compression to control body roll. The inside shocks decrease in compression to stabilize the vehicle for any bumps on the inside wheels while the outside shocks may reduce rebound in some cases to promote traction.

- The outside shocks will resist compression and the inside shocks will resist extension.
- Damping biases front to rear throughout the corner entry, apex, and exit.



Example maneuvers include turning and cornering.

AIRBORNE CONTROL

The DYNAMIX DV system is constantly and automatically detecting for when the vehicle is airborne and when the vehicle has landed. The DYNAMIX system updates damping while airborne and post landing to optimize the vehicle response immediately after the airborne event.

While Airborne: Rebound damping is reduced to promote shock extension while compression is increased to 100%.



After Landing: Rebound damping is increased to stabilize the landing and prevent loss of wheel traction or hopping of the vehicle.



The damping application is biased based on airborne duration so the vehicle has optimized performance. As the vehicle is airborne, the compression damping will gradually increase to maximize the bottom out performance when landing.

WARNING

Refer to the Safety section of the Owner's Manual for warnings and instructions about going over jumps. Do not go over jumps – going airborne can lead to serious injury or death.

DYNAMIX DV ACTIVE SUSPENSION

ANGLE-BASED DAMPING

When riding on a slope or navigating obstacles, the shock dampers adjust based on the angle to lean the vehicle into the hill.

- Increases compression and decreases rebound for downhill wheels.
- Decreases compression and increases rebound for uphill wheels.



When riding on flat ground, the shocks adjust to maximize ground clearance for obstacle avoidance with high compression damping and low rebound damping.

- High compression damping keeps the shocks extended which increases the ride height and ground clearance while traversing obstacles.
- Low rebound damping allows the tire to fall into the rock holes quickly not upsetting the chassis.



NOTE

This is used only in Rock Mode and at speeds less than 15 mph (24 km/h).

Example maneuvers include: Slow driving on banked turn, Side hilling, and Circles on hill.

G-OUT CONTROL

The DYNAMIX DV system is constantly and automatically detecting for when the vehicle is likely going to bottom out the rear (G-Out) in all modes. This scenario can happen as the vehicle enters the face of a whoop or hill. To reduce a rear bottom out caused by a G-Out, the system quickly increases compression in the rear followed by a quick increase in rebound to stabilize the vehicle after a G-Out.

DYNAMIX DV ACTIVE SUSPENSION

DYNAMIX INSTANT COMPRESSION BUTTON

When the DYNAMIX button is **single pressed**, the system will increase compression damping to improve bottom out performance. The increased compression will persist as long as the button is pressed and momentarily after the button is released. This allows the vehicle to better absorb what the driver will encounter ahead, such as an obstacle, a hole on the trail or a G-Out when dune riding.



DYNAMIX DV ACTIVE SUSPENSION

When the DYNAMIX button is **double pressed quickly**, the increased compression damping will latch ON. Double pressing again or changing the ride mode will immediately exit this damping.



Rebound damping is not affected by the DYNAMIX button and still operates based on the ride mode selected and the vehicle state.

NOTE

This feature behaves the same way in each Ride Mode.

DEMONSTRATION MODE

“Demo” Mode allows the operator to see each Ride Mode before actual use. Activate “Demo” Mode by placing the vehicle in Park (P) and turning off the engine, then turn the ignition key switch to the ON position. The operator can cycle through the different Ride Modes using the UP or DOWN arrow buttons, then use the throttle, brakes, and steering wheel to assess each Ride Mode. In Demo Mode, the suspension control and EPS will stop functioning after 5 minutes to save power, and the shocks will be displayed in red on the display.

OPERATION

ENGINE OVERHEAT INDICATORS

NOTICE

See your vehicle owner's manual for more information.

A flashing indicator indicates continued operation could result in serious engine damage. The engine management system will automatically reduce engine power and set a fault. Stop the engine immediately. Allow the engine to cool down.

NOTICE

If engine overheating seems to be caused by something other than poor cooling conditions, see your dealer for service.
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GPS MAPPING

NOTE

The compass is controlled by the GPS systems. Calibration is not required.
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Use the compass and full-featured GPS when the GPS receiver is installed (includes the display of latitude, longitude and elevation). Mark and save waypoints and rides.

MAINTENANCE

VEHICLE STORAGE

When preparing the vehicle for storage make sure the ignition switch is in the OFF position to prevent battery drain and diminished battery life.

SPEED LIMITATION

Various aspects of the display such as phone contacts and call logs may be unavailable while driving at high speeds.

UPDATE SOFTWARE

NOTICE

Before updating the display, always export your existing rides and waypoints to a USB drive to avoid losing them.

To update the software, do the following:

DOWNLOAD SOFTWARE ONTO YOUR PERSONAL COMPUTER

1. Go to ridecommand.polaris.com/display. Select the display that matches what is on your vehicle.
2. Click the **Update Software** button.
3. Save the file to a removable USB drive. It is recommended you use a USB drive with 32GB in exFAT® format.

UPLOAD SOFTWARE ON YOUR VEHICLE

1. Plug the USB drive into your vehicle's USB cable and turn on the display.
Note: ensure the USB is fully inserted into the port.
2. Turn on your vehicle.
3. Press the Menu icon located in the lower-right corner of the screen, then select the Settings option.
4. Select **General**.
5. Select **System Information**.
6. Select the file you want to install. "Newest" will be automatically displayed next to the newest version detected on the USB drive.
7. The display will reboot and install the software.

ERROR MESSAGES AND TROUBLESHOOTING

If an error occurs while updating your software, perform one or all of the following actions to resolve the issue:

- Remove and reconnect the USB flash drive securely.
- Make sure the display files are not inside a folder on the flash drive.
- Make sure only display files are on the flash drive. Remove any other files if necessary.
- Try using a different USB flash drive.

- Ensure the capacity of data on the USB drive is larger than 1GB and smaller than 64GB.
- Re-format the flash drive to the correct format (FAT32 or exFAT®).
Re-download the update(s) from the RIDE COMMAND website. Drag and drop the file(s) into the flash drive folder.

UPDATE MAPS

To update the maps on your display, do the following:

1. Go to ridecommand.polaris.com/display and download the map update to a USB flash drive.
2. Insert USB flash drive into the USB port on your vehicle.
3. Press the Update maps in the General Settings.
4. Select the file you want to install by pressing the corresponding down arrow icon.
5. This will update the display's map which will automatically restart the display once the update is complete. Do not remove the USB flash drive until the display has fully restarted.

USB HARDWARE

SOFTWARE UPDATES

For software update, POLARIS recommends using a SanDisk® or similar USB flash drive with a minimum of 1GB or larger in available memory, formatted using the exFAT® file system. For best results remove all files from the flash drive before starting the update process.

MAP, TRAIL AND POINT OF INTEREST UPDATES

For Map, Trail and Point of Interest updates, a 32GB or larger USB drive is required (USB 3.0 drive is highly recommended). USB drive must be formatted to exFAT® before copying the map file onto it.

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For your nearest Polaris dealer,
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