# USER'S GUIDE

RIDE COMMAND

**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 www.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.*

# POLARIS

# RIDE COMMAND User's Guide

## For RANGER, RZR, and GENERAL Off-Road Vehicles

RIDE COMMAND User Guide

9939929 Rev 1

Thank you for purchasing a POLARIS vehicle, and welcome to our world-wide family of POLARIS enthusiasts. Be sure to visit us online at *www.polaris.com* for the latest news, new product introductions, upcoming events, career opportunities and more.

Here at POLARIS we proudly produce an exciting line of utility and recreational products. We believe POLARIS sets a standard of excellence for all utility and recreational vehicles manufactured in the world today. Many years of experience have gone into the engineering, design, and development of your POLARIS vehicle, making it the finest machine we've ever produced.

For safe and enjoyable operation of your vehicle, be sure to follow the instructions and recommendations in this owner's manual. Your manual contains instructions for minor maintenance, but information about major repairs is outlined in the POLARIS Service Manual and can be performed by a factory certified Master Service Dealer (MSD) technician.

Your POLARIS dealer knows your vehicle best and is interested in your total satisfaction. Your POLARIS dealership can perform all of your service needs during and after the warranty period.

For the most up-to-date owner's manual visit *https://www. polaris. com/en-us/ owners-manuals*.

# 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
## OVERVIEW

Thank you for purchasing a RIDE COMMAND Display, and welcome to the Polaris RIDE COMMAND App. This intuitive display gives you access to your vehicle's custom information and a variety of features.

For a safe and enjoyable riding experience with your new Display, please read your vehicle's owner's manual and this Display owner's manual. If you should need additional assistance with Display operation or software updates, please see your Polaris dealer or visit *polaris.com/ridecommand*.

For the latest information about your RIDE COMMAND Display, including software updates, please visit *ridecommand.polaris.com*.

| ⚠ 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 *https://ridecommand. polaris.com/en-us/update*. |

## BEFORE YOU RIDE

Before riding with your new display, do the following:

- Read this entire manual.
- Familiarize yourself with the features and operations of the Display while the vehicle is stationary.
- Download the Polaris RIDE COMMAND App from the Apple®/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 52.
- 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 http://ridecommand.polaris.com. |

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

# DEVICE OPERATING REQUIREMENTS

Phone functionality is dependent on the capabilities of your cell phone.

| *NOTICE* |
|---|
| Some cell phones or operating systems will not work as shown in this manual. |

# 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.

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. <br> • Increase the separation between the equipment and receiver. <br> • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. <br> • 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 |
|---|---|---|
| 9200 Series Display | RC7 | Polaris Industries Inc. |

Hereby, Polaris Industries 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/

# GETTING STARTED
## OVERVIEW



① Ride Command Buttons
② Drive Mode
③ Widgets
④ Settings

⑤ Icon Bar
⑥ Gauge View Mode
⑦ Speedometer/Tachometer
⑧ Gear Status

## RIDE COMMAND BUTTONS

| BUTTON | DESCRIPTION | FUNCTION |
| --- | --- | --- |
| | Menu/Power Button | Press the Menu/Power button to access the settings. To reboot the display, press and hold for 5 seconds. |
| | Gauge Screen Button | Press the Gauge Screen button to select from available screens. |

# GETTING STARTED

| BUTTON | DESCRIPTION | FUNCTION |
|---|---|---|
| | Map Button | Press the Map button to access the map, manage your rides and waypoints, and to see your friends on the map with Group Ride. |
| | Phone Button | Press the Phone button to access your Bluetooth® connected phone, including recent calls, contacts, dialer, and messages. |
| | Audio Button | Press the Audio button to access the Radio, Weather, USB, and connected Bluetooth® music interface |
| | Volume Decrease Button | Press the Volume Decrease button to decrease the volume. Press and hold to mute volume. |
| | Volume Increase Button | Press the Volume Increase button to increase the volume. |

## DRIVE MODE

| INDICATOR | DESCRIPTION | FUNCTION |
|-----------|-------------|----------|
| | 2WD | When the switch is on 2X4, the ATV is in two-wheel drive at all times. |
| | AWD | When in All-Wheel Drive, the demand drive unit will automatically engage any time the rear wheels lose traction. When the rear wheels regain traction, the demand drive unit will automatically disengage. There is no limit to the length of time the vehicle may remain in 4X4. The vehicle automatically engages 4X4 when operating in reverse if the switch is set to 4X4 position. |
| | Turf Mode (if equipped) | When operating in TURF mode, the inside rear wheel will rotate independently from the outside wheel during turns. Operate in TURF mode only as needed to protect smooth, level surfaces from tire damage. DO NOT operate in TURF mode when climbing or descending hills, when sidehilling, or when operating on uneven, loose, or slippery terrain such as sand, gravel, ice, snow, obstacles, and water crossings. Always operate in AWD on these types of terrain. |

# SETTINGS

From the setting menu you can view vehicle information, manage Bluetooth® devices, update display software, and more.

To access the Setting menu, press the Menu/ Power button ①.

You can also navigate to the settings menu by pressing the POLARIS logo at the top of the display screen ②. This will open the Control Panel. From the Control Panel, select the settings tab, then press the **All Settings** button located in the lower right corner of the display screen.



# GAUGE VIEW MODE

Press ① to toggle between the two available gauge view modes, **Analog** and **Digital**.

While in the digital gauge view mode, press ② to invert the MPH and RPM units.

# ICON BAR



| ICON | DESCRIPTION | FUNCTION |
|------|-------------|----------|
| ① | Headset | Displays icon if headset is connected |
| ② | Signal Strength | Displays current cell signal strength |
| ③ | Fuel Level | Displays current fuel capacity percentage |
| ④ | Vehicle Direction | Displays vehicle direction |
| ⑤ | Ambient Temperature | Displays ambient temperature |
| ⑥ | Clock | Displays current time |

# FEATURES AND CONTROLS
## MENU/POWER
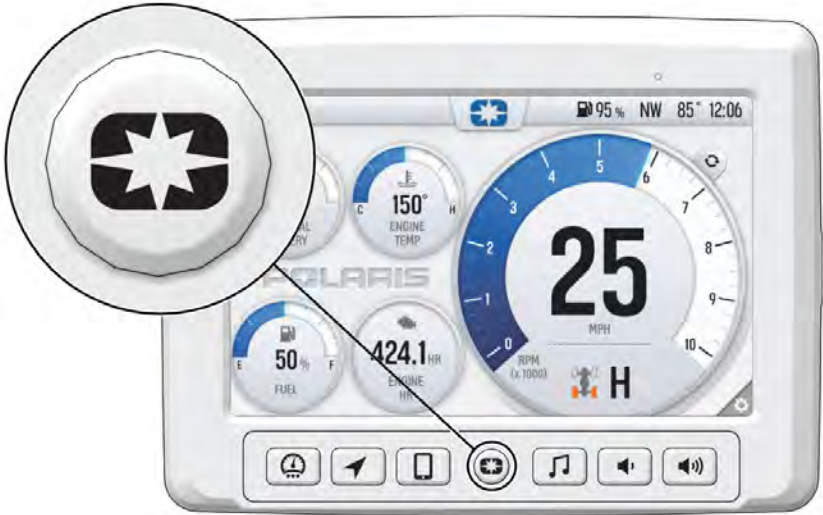


Press the Menu/Power button once to access the Badge Panel. The Badge Panel provides quick and easy access to key display features, for more information on the Badge Panel, see page 18.

Press and Hold the Menu/Power button for five seconds to perform a hard reboot of the display screen.

# BADGE PANEL

The badge panel provides easy access to frequently used features, basic display and vehicle controls, and a list of recent notifications. To access the Badge Panel, press the Polaris logo at the top of the display screen, or press the Polaris Menu/Power hard button.



① Badge Panel

② App Tray

③ Controls Tab

④ Notifications Tab

⑤ Brightness Settings

⑥ Display Mode

⑦ All Settings

## APP TRAY

The App Tray provides easy access to key features on the display screen. Tap on any of the listed icons to navigate to that display screen. For example, tap the map icon to navigate to the map screen, or press the plow icon to navigate to the plow mode screen.

## NOTIFICATIONS

Press the Notifications tab ④ to view and manage notifications.

# SCREEN BRIGHTNESS

From the Control tab ③, select screen brightness by moving the touchscreen slider to the left or right ⑤. Press the AUTO check box to allow the screen to adjust automatically based on ambient light conditions.

# DISPLAY MODE

From the Control tab ③, select the display mode from the available options ⑥.

The display mode can be set to Day, Night, or AUTO mode.

**Day Mode**

**Night Mode**



# ALL SETTINGS

Press the All Settings button ⑦ to navigate to the settings menu. for more information about the settings menu, see page 39.

# GAUGE SCREEN



Press the Gauge Screen button to toggle between gauge screens. The display comes loaded with two different gauge screens. Additional gauge screens can be added or deleted.

Each gauge screen 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 customize your gauge screens, press the gear icon located in the lower right corner of the display.

# MAP SCREEN



Press the *MAP SCREEN* button shown above to display the map screen. The map will center you based on the location of the GPS.

| NOTE |
| --- |
| Controls on the map surface disappear after 10 seconds of inactivity, return with a tap anywhere on the map. |

## ZOOM

Use the plus and minus signs on the left side of the screen, or pinch the screen with your fingers to zoom in and out on the map.



- Pinch zoom
- Plus / Minus button
- Auto-zoom to way-point while navigating
- Current zoom level relative to maximum and minimum zoom

# MAP ORIENTATION



The *COMPASS* icon on the right side of the screen toggles north up and course up. It will also re-center your vehicle if not already centered.

| MAP ORIENTATION | MAP ICON |
|---|---|
| North Up view locks the maps orientation so that North is always at the top of the screen, regardless of your vehicle's position or direction. |  |
| Course Up view rotates the map to match the direction of your vehicle. |  |

# WAYPOINTS

Waypoints are user-defined locations on the map. Waypoints can be saved and shared with friends.

To add a waypoint, do the following:

1. From the map screen, tap the map menu icon at the bottom of the display screen ①.

2. Select **Add Waypoint** ② from available options.

# POINTS OF INTEREST (POI)

Points of interest (POI), such as restaurants, gas stations, hotels, dealers, and more, are available from the map screen. POI will display on map screen as you zoom in and out of the map. Tap on the POI icon to view more information about the location.

# GO TO NAV

Go to Nav is available from the map screen when viewing a waypoint or POI. Go to Nav will display the distance and directional bearing of the POI.

| NOTE |
| --- |
| Go to Nav does not provide turn-by-turn directions to a POI. |

# PHONE SCREEN



Connect a smart phone and headset to listen to audio, make and receive calls and text messages, access a phone's contact list, and call history.

## CONNECT YOUR PHONE TO THE DISPLAY

The Ride Command display is compatible with Android and iOS. Go to *https://ridecommand.polaris.com/en-us/supported-devices* for latest operating system compatibility.

Connect your Bluetooth® device to do the following:

• Connect your Bluetooth® device to pair and connect phones and Bluetooth® headsets.
• List of paired devices with connection status.
• For phones, shows signal strength.
• Listen to music over a headset or through optional vehicle speakers.

## IPHONE

To connect your iPhone to the display, do the following:

1. In your iPhone settings turn on Bluetooth®. If available, make your phone discoverable to other devices in your iPhone's Bluetooth® settings. When your phone appears on the display press the "+" button next to it.

2. A prompt will appear on your iPhone requesting permission to pair with your phone.

3. Ensure the confirmation code on the screen and your phone are the same then press "Pair" on your phone.

4. For optimal experience, enable notifications and sync contacts from your smartphone's Bluetooth® settings.

## ANDROID

To connect you Android device to the display, do the following:

1. From your smartphone settings, open the Bluetooth® options on your device and ensure that Bluetooth® is turned on.

| NOTE |
| --- |
| On some phones you have to make the phone visible to other devices. If your phone has this feature, it should show up on the Bluetooth® connection screen of your phone. If no option exists to make your phone visible to the display, it is already visible to the display. |

2. Press the add device button, then press "OK" on the display.

3. When your phone appears on the display press the "+" button next to it to pair with your phone.

4. Ensure the confirmation code on the screen and your phone are the same then press "OK" on your phone.

5. For optimal experience press "Accept" on your phone when requested to access contacts and messages.

6. The display will now show a list of previously connected phones on the display. If it is unpaired, click on your phone from the list.

7. Once the display says connected/paired, your phone is now connected to the display via Bluetooth®. After a phone is connected, the Device Manager Screen will appear.

8. When a smartphone is connected to the display via Bluetooth®, users are able to make phone calls from the display through the keypad, recent calls, or their contacts by pressing the phone icon in the device manager screen or through the pull down menu.

| NOTICE |
|---|
| Ensure that your smartphone Bluetooth® settings are set to share phone calls, media audio, text messages, and contact information. |

| NOTICE |
|---|
| There is no built in microphone in the display. Phone call audio will play through the phone speakers or Polaris approved headset if connected. Some dial options may be unavailable at speeds greater than 3 MPH. |

## CONNECTING YOUR BLUETOOTH® HEADSET WITH THE DISPLAY

The display can connect with Polaris approved Bluetooth® headsets to listen to music, take phone calls, and talk with other riders.

To connect your Bluetooth® heaset to your display, do the following:

1. From the Device Manager menu press "Add Device."

2. Turn your Bluetooth® headset on and put it in phone pairing mode.

3. When your Bluetooth® headset appears on the display press the "+" icon on the display. Once your headphones are connected you will see the headset icon in the upper left-hand corner of the display screen.

# AUDIO SCREEN



1. Press the audio screen button shown above to display the audio screen.

2. Use the source button in the top left corner to change between FM, AM, Weather, Bluetooth®, and USB Audio.

3. Press the tune up or down icons to change the radio station by small increments or press the scan up or down icon to search for the next quality signal station.

4. To set favorites, scroll to a radio station and hold an "Empty" favorite icon. Press the arrows on either side of the favorites to view all 18 favorite slots.

## RADIO

- Radio sources: AM, FM, MW (Medium Wave - Europe), LW (Long Wave - Europe), WX (Weather)
- Show currently playing station, song and artist, if available
- Tune up/down
- Scan
- Save and choose station presets

## USB / IPOD AUDIO

- Show currently playing song, artist, and album, if available
- Show song duration and current progress
- Browse available music by artist, album, song title and playlist, if available
- Show play queue of upcoming songs, add and remove music from queue
- Play/pause, go to next/ previous song, repeat, shuffle

NOTE

Media navigation is only available if music is streamed through Apple Music and saved to the device storage of the phone.

## BLUETOOTH®

- Show currently playing song
- Play/pause, go to next/ previous song

## STREAMING SERVICES

- Show song duration and current progress
- Play/pause, skip

## AUDIO CONTROLS

- Output to speakers or Bluetooth®
- Volume Up / Down
- Mute / Pause

# PIN ACTIVATED SECURITY SYSTEM (IF EQUIPPED)

The Pin Activated Security System (P.A.S.S.) allows you to safely lock and unlock your vehicle from the Ride Command display screen.

## ENABLE P.A.S.S.

1. Go the settings menu by pressing the Power/Menu button.

2. Select Vehicle Settings from the left toolbar.

3. Select Passcode Unlock.

4. If this your first time activating P.A.S.S. you will be prompted to enter a new pin. Enter and verify new pin.

5. Turn off the vehicle using the key ignition switch.

| *NOTICE* |
|---|
| After activating P.A.S.S. for the first time you must power down the vehicle and allow the ECM fully shutdown before restarting. This may take up to three minutes. |

## DISABLE P.A.S.S.

1. Go the settings menu by pressing the Power/Menu button.

2. Select Vehicle Settings from the left toolbar.

3. Select Passcode Unlock.

4. Enter pin code to disable P.A.S.S.

# GROUP RIDE

<table>
<tr><td>NOTE</td></tr>
<tr><td>The display requires a GPS lock, indicated by a blue arrow marker (as shown below), before you are able to setup or join a group ride.</td></tr>
</table>



Invite your friends to a group to see their live location on the map of your smartphone, tablet, or in vehicle Ride Command Display.

For information on how Group Ride works and for instructions on how to set up Group Ride using your smartphone, or with a vehicle-to-vehicle (V2V) antenna, tap the "i" icon beside the title from the Group Ride Panel ①.

## GROUP RIDE SETUP

There are two ways to set up a group ride.

**Mobile Phone Group Ride:**

• Works within cellular range
• Requires a tethered mobile phone
• Infinite range between vehicles
• Works with friends using the mobile app



**Vehicle-to-vehicle Group Ride:**

• Works anywhere, no phone required
• Requires an installed V2V antenna, standard on MY20+ vehicles
• 1+ miles range between vehicles

## *MOBILE PHONE GROUP RIDE*

To set up a group ride using a mobile phone, do the following:

1. From the map menu, tap the **Group Ride** button.

2. Tap the **Setup Mobile Phone Group Ride** button on the display screen.

3. Complete all three steps on the screen, in the specified order, to set up group ride.

- Enable your Bluetooth® tethering in your phone's settings. Tap instruction for more information of how to enable tethering on an iPhone or Android phone.
- Connect your phone via Bluetooth®. If you phone is currently connected you MUST disconnect and reconnect it.
- Press the **login** button to login to your Ride Command account. If you do not have a ride command account, sign up at *ridecommand.polaris.com*

NOTE

Once you've completed all three steps above, your information will be stored (unless cleared manually) and you will not need to login again into your Ride Command account for future group rides.

4. Press the back button to go back to the group ride screen and join your Group Ride.

NOTE

In order for vehicles with a V2V antenna and vehicles using mobile phone based group ride to join the same group, at least one member of the group must be connected to both the V2V antenna and the mobile phone based group ride.

## *VEHICLE TO VEHICLE (V2V) ANTENNA*

If your vehicle is equipped with a V2V antenna, use the following procedure to setup Group Ride:

1. From the map menu, tap the **Group Ride** button.

2. Tap **Setup V2V Group Ride** button on the display screen.

3. Tap the **Antenna Installed** toggle switch to the **Yes** position.

You are now able to join a group ride with other riders who have a V2V antenna installed. Press the back button to go back to the group ride screen and join your Group Ride. If you would like to ride with friends who do not have a V2V antenna, complete the setup instructions below to set up a mobile phone group ride.

# JOINING A RIDE GROUP

To join a group, do the following:

1. From the map menu, tap the Group Ride button.

2. Nearby ride groups will display in order of distance. A GPS lock is required to view nearby group rides.

3. Tap the **Join** button ① to join a group.



Joining a group immediately brings you to the map view of that group. Other riders appear as dots on the map. If a rider is moving, the dot includes a heading arrow pointing in the direction they are riding.

| NOTE |
| --- |
| The map is set to zoom-to-group and as you ride it will automatically zoom to keep all riders in view. Tap the zoom control to return to manual zoom mode. |

| NOTE |
| --- |
| The ride group panel on the side of the screen shows the name of the group and lists all group members with their name, icon color, distance and bearing from you to that rider. |

# RIDING WITH A GROUP

1. Tap the handle by the group name ① to minimize the panel and show more map.

2. After 10 seconds of not interacting with the screen, the map controls will disappear. Tap the screen to make them visible again.



3. Tap on a rider icon in the ride group panel to show that rider relative to your location. If center-on-me is enabled, the display reverts to the centered state after 10 seconds.

# CREATING A RIDE GROUP

To create a Ride Group, do the following:

1. On the Group Ride Panel, tap the "New Group" button ① to create a group for others to join.

2. Give the group a name and choose whether a passcode should be required for others to join the group. If the "Private" toggle is tapped, you will be prompted to enter a four-digit passcode.



3. After creating a group, the panel closes and shows the new group on the map.

4. After a second rider joins, the map will switch to zoom-to-group and as you ride it will automatically zoom to keep all riders in view. Tap the zoom control to return to manual zoom mode.

# PLOW MODE (IF EQUIPPED)

| NOTE |
| --- |
| Plow Mode is a feature available for use with *RANGER* XP 1000 vehicles that have a factory installed Ride Command System with a winch and auto stop winch fairlead as part of the factory wiring harness. |

| NOTE |
| --- |
| It is not recommended to use plow mode with winch in rapid recovery mode. |

Plow Mode is an automated plow control system based on vehicle gear position. To enable Plow Mode, do the following:

1. On the display, go to "Settings," "Vehicle," and then select "Plow Installed."

2. From the Plow installed screen, move the toggle switch from "No" to "Yes."



| NOTE |
| --- |
| The procedure above is only required one time. The system will remember your settings for future use. If you want to disable seeing the plow mode screen as part of the gauges screen option, you can set the toggle back to "No" at a later date. |

## MANUAL PLOW MODE

Manual Plow Mode allows you to use the Ride Command touchscreen display to raise and lower the plow.

To raise and lower the plow, do the following:

1. To raise the plow, press the up arrow on the touchscreen display and slide it to the left.

2. To lower the plow, press the down arrow on the touchscreen display and slide it to the left.

## AUTO PLOW MODE

Automatic Mode allows the display to automatically lower the plow when you shift to Low and will automatically raise the plow when you shift to Reverse.

To switch to AUTO plow mode, the system requires the following conditions to be met:

1. Plow must be fully up and the autostop fairlead must be detecting the rubber stopper.

2. Gear Position must be in Park

3. The Winch in and Winch out relays must be in place in the fusebox (factory installed)

| NOTE |
| --- |
| Auto-plow mode will be disabled if excessive speed is detected. |

## *BACK DRAG MODE*

| NOTE |
| :---: |
| Automatic Mode must be selected to allow selection of Back Drag Mode. |

Back Drag Mode reverses the normal mode operation. When Back Drag Mode is selected, shifting to REVERSE will lower the plow and shifting to LOW will raise the plow automatically. To engage Back Drag Mode, press the "Back Drag Mode" button on the Ride Command display.

## PLOWING IN HIGH RANGE

Polaris does not recommend plowing in High Range. Excessive belt wear and belt failure, plow damage, and vehicle damage can occur. The system by default will not allow automatic operation when the vehicle is in High Range. This lockout can be beneficial while plowing as it allows the operator to shift to High Range to move the vehicle forward without lowering the plow automatically. Anytime the vehicle is shifted into High Range and Automatic Plow mode is engaged, a warning notification will appear on screen. If plowing in high is needed, touching the **Enable in High** button to enable High Range operation in automatic mode. If the user changes screens, or restarts the vehicle, High Range will be locked out again and the rider will need to acknowledge the over ride again.

## FAULTS AND WARNINGS

The display has several built in fault checks for plow mode. When the system detects a fault, an alert will be shown on the plow mode screen. Some faults can be cleared by a quick power cycle of the ignition key switch ( less than 1 second). Some require a full reboot of the display to clear. If a plow mode related fault occurs, the display will show the required action needed to clear and reset the fault on the plow screen. Additional information about fault codes and corrective action are available from the display in the "Vehicle Diagnostics" screen found through the "Vehicle" settings tab.

# OPERATION
## SETTINGS

To access the Setting menu, press the Menu/Power button, or tap the POLARIS logo at the top of the display screen. This will open the control panel. From the Control Panel, select the settings tab, and then tap the **All Settings** button located in the lower right corner of the display screen.

### INFO

Select the Info tab to view basic information about your model, such as:

- Vehicle Model
- VIN
- Software Version
- Odometer Miles
- Engine Hours
- Distance to Next Service



### GENERAL

Select the General tab to do the following:

- View Bluetooth® Devices
- View Phone Notifications
- Change Language and Units
- Update Software
- Update Maps/Trails

## TIME

Select the Time tab to do the following:

- Set Time from GPS
- Select Time Zone
- Enable/Disable Daylight Savings Time
- Set Time
- Set Date
- Enable/Disable 24–Hour format

## AUDIO

Select the Audio tab to do the following:

- Access Equalizer
- Access Balance and Fader
- Clear Radio Presets
- Set Radio Tuner Region

## VEHICLE

Select the Vehicle tab to do the following:

- View Diagnostics
- View Oil Life Status
- View GPS Status
- Set V2V Antenna Status
- Enable/Disable Plow Mode

# 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. |

# GPS MAPPING

| NOTE |
|---|
| The compass is controlled by the GPS systems. Calibration is not required. |

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.

# DYNAMIX ACTIVE SUSPENSION (IF EQUIPPED)

## 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 Active Suspension (if equipped) is the industry's most advanced suspension system, offering unprecedented control and comfort for any riding condition you experience with your RZR. Dynamix™ 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, and controlling the suspension in real-time.

Dynamix 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 Active Suspension proactively makes split-second decisions based on operator inputs, controlling the shocks to achieve optimum performance, control, and stability under varying riding conditions and driving styles.

# DYNAMIX ACTIVE SUSPENSION (IF EQUIPPED)

> **⚠ 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 *polaris.com/ ridecommand*.

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



① Current Suspension Ride Mode

② Accelerator Pedal Position

③ Vehicle Speed

④ Brake Status

⑤ Active Vehicle Event State Pop-ups

⑥ Steering Angle

⑦ G-Meter

⑧ Current Damping Setting

# DYNAMIX™ 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 the performance of the vehicle by the suspension control algorithms.

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**⚠ CAUTION**

Moving or altering the SCM may have an adverse effect on vehicle handling. Never move the SCM from it's factory mounting location.

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## ELECTRONIC POWER ASSISTED STEERING (EPAS)

The Electronic Power Assisted Steering (EPAS) system has been enhanced with a steering angle sensor to provide steering angle information to the SCM.

# DYNAMIX™ SYSTEM FEATURES

## VEHICLE SPEED SENSITIVITY

The system continuously monitors the speed of the vehicle and adjusts to a base level of damping for a given vehicle speed depending on the mode selected by the user.

## CORNERING CONTROL

The system continuously monitors steering angle, lateral acceleration, and vehicle yaw rate to provide enhanced cornering control, reducing body roll for maximum performance.

## BRAKING

The system continuously monitors the brake pedal position and vehicle deceleration rate, reducing body motion, and increasing available compression travel for braking into harsh terrains.

# ACCELERATION

The system continuously monitors vehicle speed, and accelerator pedal position to increase damping of the rear shocks under high straight line acceleration conditions to keep the vehicle level.



# AIRBORNE DETECTION

The system continuously monitors the state of the vehicle using its 6-axis inertial measurement unit. When low-g situations are encountered, the system provides maximum damping until the low-g situation is no longer present, after which it reverts back to the user-selected drive mode.



# ADVANCED DIAGNOSTICS

The system continuously monitors the health and state of all input and output signals. If a fault is detected, the system reverts to a safe operating state and alerts the operator of a component or system problem.

# PROCESSING CAPABILITY

DYNAMIX™ Active Suspension controls current to the shock valve 1000 times per second, performs vehicle dynamics calculations 200 times per second, and can actuate a shock from soft to firm approximately 20 times per second.

# DYNAMIX MODE SWITCH

This *RZR* is equipped with a suspension control mode switch that allows you to change the suspension control mode of your DYNAMIX™ Active Suspension system on-the-fly. There are 3 available drive modes to select from: Comfort, Sport, and Firm.

| ⚠ WARNING |
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| 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* |
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| The system will prevent mode transitions from a more firm operating mode to a more soft operating mode when a current active vehicle state is present (cornering, braking, accelerating, or airborne). |

## COMFORT

In Comfort mode, the suspension control system is primarily optimized for rider comfort, intervening in performance situations where required. The system will gradually increase the base value of damping as vehicle speed increases. Cornering, braking, acceleration, and airborne detection algorithms are fully active.

## SPORT

In Sport mode, some level of rider comfort is traded for higher performance levels and reduced body motion. Damping ramps up more aggressively as a function of vehicle speed. This mode is recommended for spirited driving where additional suspension system performance is required. All active features are enabled in this mode.



## FIRM

In Firm mode, the suspension reverts to its most firm compression damping setting. This mode is recommended for challenging terrain where large suspension travel events and complex terrain are encountered.



If your vehicle is equipped with Instantaneous Compression the suspension compression damping reverts to a firm base-damping setting with aggressive active vehicle events to respond to harsh terrain. If your vehicle is not equipped with Instantaneous Compression, all 4 shocks are set to the most firm setting.

# INSTANTANEOUS COMPRESSION (IF EQUIPPED)

The Instantaneous Compression button allows you to immediately apply full compression damping to all 4 shocks in any handling mode for the full duration of holding the button plus a short delay time. This is intended to be used when encountering unsuspected vehicle events or obstacles to avoid bottom-out or occupant discomfort.

# DEMONSTRATION MODE

When the vehicle is first keyed on, and the shift lever is in the Park (P) position with the engine not running, the SCM will enter a demonstration mode. The suspension will react to the operator inputs as if the vehicle was being driven. After a period of time (5 minutes), the SCM will exit demonstration mode and stop driving the shocks to conserve vehicle power. The vehicle will enter normal operation if the engine is started.

| NOTICE |
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| The vehicle will enter demonstration mode any time the shift lever is in the park position (P), the engine speed is at 0 rpm, and the vehicle speed is at 0 mph. Demonstration mode will time out after 5 minutes. |

| NOTICE |
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| Demonstration mode exaggerates responses for the purpose of demonstration. Actual usage requires real speed and dynamic events to illicit the same visual response in the interface. |

# MAINTENANCE

## CARE AND MAINTENANCE

To clean the display shell, use a soft cloth with mild soap and water. Do not use harsh or abrasive cleaners. For best results, use a micro-fiber towel to clean the screen. Window cleaner or alcohol may also be used.

| NOTE |
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| Immediately clean off any gasoline that splashes on the display. |

## 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 the front and rear cameras, phone contacts, and call logs may be unavailable while driving at high speeds.

## UPDATE SOFTWARE

| *NOTICE* |
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| 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:

### ON YOUR PERSONAL COMPUTER

1. Go to *ridecommand.polaris.com/update*.

2. Log into your account, or create a new account.

3. Using the Vehicle Identification Number (VIN), add your new Polaris vehicle to your Garage.

4. Locate and download the latest software to a USB flash drive (8+ GB).

### ON YOUR VEHICLE

1. Connect the USB flash drive to the USB cable and power up your vehicle.

2. On the RIDE COMMAND display, select the Settings menu on your display by pressing the POLARIS icon at the top of the screen.

3. Select General Settings, then Update Software.

4. Select the file you wish to load (use date listed in the file name to determine most recent file).

5. Select Yes to restart display (restart required).

## ERROR MESSAGES

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

1. Remove and reconnect the USB flash drive securely.

2. Make sure the display files are not inside a folder on the flash drive.

3. Make sure only display files are on the flash drive. Remove any other files if necessary.

4. Try using a different USB flash drive.

# UPDATE MAPS

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

1. Go to *ridecommand.polaris.com/update* 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 4GB in available memory, formatted using the FAT32 or exFAT file systems. For best results remove all files from the flash drive before starting the update process.

## MAP UPDATES

For Map updates, a 32GB 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.

## TRAIL UPDATES

For Trail updates, a 4GB drive formatted to FAT32 can be used.