

2020 POLARIS®



RIDE COMMAND®

***Owner's Manual
For Maintenance and Safety***



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.



User's Guide

2020

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Copyright 2019 Polaris Industries, Inc. All information contained within this publication is based on the latest product information at the time of publication. Due to constant improvements in the design and quality of production components, some minor discrepancies may result between the actual vehicle and the information presented in this publication. Depictions and/or procedures in this publication are intended for reference use only. No liability can be accepted for omissions or inaccuracies. Any reprinting or reuse of the depictions and/or procedures contained within, whether whole or in part, is expressly prohibited.

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

Printed in U.S.A.

RIDE COMMAND® User Guide

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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.

- Snowmobiles
- SPORTSMAN® All-terrain vehicles
- Low emission vehicles (LEVs)
- *RANGER*® utility vehicles
- POLARIS® PRO XD™ work vehicles
- SLINGSHOT® three wheel motorcycles
- RZR® sport vehicles
- GEM® vehicles
- INDIAN® motorcycles
- POLARIS POWER® generators
- POLARIS DEFENSE® combat vehicles
- Timbersled® Snow Bikes

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.

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>.

TOUCHSCREEN DISPLAY COMPLIANCE STATEMENT

Notice: This device complies with part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Per RSS-Gen, Section 8.4, this device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

Polaris International hereby declares that the radio equipment in-vehicle display unit is in compliance with the following directives:

- 2014/53/EU European Radio Equipment Directive
- 2011/65/EU RoHS 2011/65/EU (Recast)
- 2015/863 RoHS July 22, 2019

The full text of the EU declaration of conformity is available at the following internet address: www.polaris.com/compliance

INTRODUCTION

Per 47 CFR 15.21, the user's manual for instruction or an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

CAUTION

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.

DEVICE OPERATING REQUIREMENTS

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

NOTE

Some cell phones or operating systems will not work as shown in this manual.

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 54.
- Check <https://www.polaris.com/en-us/owners-manuals/> for the latest updates to the owner's manual.

NOTE

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>.

NOTE

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

QUICK START GUIDE



① Ride Command Buttons

② Drive Mode

③ Gear Status

④ Battery/Temperature/Turbo (if equipped)

⑤ Fuel Gauge

⑥ Icon Bar








⑦ Settings

⑧ Speedometer/Odometer

NOTE




For the latest software and more information go to <https://ridecommand.polaris.com/en-us/update>.

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.
	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.

INTRODUCTION

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	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.

GEAR STATUS




The vehicle's current gear is displayed in the upper left-hand corner.

- H: High Gear
- L: Low Gear
- N: Neutral Gear
- R: Reverse
- P: Park



BATTERY/TEMPERATURE/TURBO

Press the Battery/Temperature/Turbo icon to toggle between battery voltage, engine temperature, and turbo meter.

INDICATOR	DESCRIPTION	FUNCTION
	Battery Voltage	The meter displays battery's current voltage.
	Engine Temperature	The meter displays the vehicle's current engine temperature.
	Turbo (if equipped)	If your vehicle is equipped with turbo, The meter will display the proportional amount of boost pressure (intake manifold pressure) relative to the maximum pressure possible.



FUEL LEVEL

The fuel gauge displays the vehicle current fuel level. Fuel level will turn red when low fuel condition occurs.



INTRODUCTION

ICON BAR

ICON	DESCRIPTION	FUNCTION
	Signal Strength	Displays current cell signal strength.
	Headset	Displays icon if headset is connected.
NW	Vehicle Direction	Displays vehicle direction
85°	Ambient Temperature	Displays ambient temperature.
12:06	Clock	Displays current time.

FEATURES AND CONTROLS

BUTTONS



- ① Menu/Power Button
- ② Gauge Screen Button
- ③ Map Button
- ④ Phone Button
- ⑤ Audio Button
- ⑥ Volume Decrease Button
- ⑦ Volume Increase Button

FEATURES AND CONTROLS

MENU/POWER BUTTON



Press the Menu/Power Button to access the Control Panel, or to reboot the display.

CONTROL PANEL

To access the settings menu, do the following:

1. Press the Polaris logo at the top of the display screen, or press the Polaris Menu/Power hard button.
2. Select screen brightness by moving the touchscreen slider left and right, or press the AUTO check box to allow the screen to adjust automatically based on ambient light conditions.
3. Select the display screen theme from the available options.



4. Press the Notifications tab to view and manage notifications.
5. Press the Settings icon to access additional settings options.

DISPLAY REBOOT

To perform a hard reboot of your display, press and hold the menu/power button for 5 seconds. If the display gets into a locked up state a reboot may correct the issue.

GAUGE SCREEN



Press the Gauge Screen button (shown above) to navigate to the main gauge screen. Pressing the gauge button again will toggle through other available gauge screens, such as the camera view, and the Dynamix gauge screen (if equipped).

The Gauge/Home screen displays the following information:

- Speed
- RPM
- Battery level
- Engine Temperature
- Gear selector
- Drive selection
- Current ride time and distance

FEATURES AND CONTROLS

GAUGE SCREEN OVERVIEW



- | | |
|---|----------------------------|
| ① Settings | ⑥ Tachometer |
| ② Drive Mode Status | ⑦ Screen Select Button |
| ③ Gear Status | ⑧ Digital / Analog Display |
| ④ Speedometer | ⑨ Fuel Level |
| ⑤ Battery/Engine Temp/Turbo (if equipped) | ⑩ Ride Information |

DISPLAY THEMES

The display screen can be set to Day or Night mode. To change the display, tap the Polaris icon at the top of the display screen.



Day Theme



Night Theme

GEAR SELECTION

The vehicle's current gear is displayed in the upper left-hand corner.

- H: High Gear
- L: Low Gear
- N: Neutral Gear
- R: Reverse
- P: Park



FUEL GAUGE




The fuel gauge displays the vehicle current fuel level. Fuel level will turn red when low fuel condition occurs.



FEATURES AND CONTROLS

DRIVE MODE

The vehicle's current drive mode is displayed in the upper-left hand corner.

DRIVE MODE	DESCRIPTION	INDICATOR
Two Wheel Drive	When the switch is on 2X4, the ATV is in two-wheel drive at all times.	
All-Wheel Drive	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.	

SPEEDOMETER

The speedometer display vehicle's speed in either miles per hour (MPH) or kilometers per hour (km/h).



TACHOMETER

The tachometer displays engine speed in revolutions per minute (RPM).

BATTERY / TEMPERATURE

Press the Battery / Temperature icon on the touchscreen display to switch between the battery voltage meter and the engine temperature meter.



METER	INDICATOR
Battery Voltage	
Engine Temperature	

TURBO (IF EQUIPPED)

If your vehicle is equipped with Turbo, the Turbo icon will appear on the left side of the display screen. The meter will display the proportional amount of boost pressure (intake manifold pressure) relative to the maximum pressure possible.



FEATURES AND CONTROLS

SCREEN SELECT

Press on the Screen Select Icon to see a list of available gauge screens.

Available Screens include:

- Front/Rear Cameras (if equipped)
- Gauge Screens
- Dynamix (if equipped)
- Plow Mode (if equipped)



ANALOG / DIGITAL

Press the icon to toggle between the analog and digital display screens.



Analog Display



Digital 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
<p>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.</p>	
<p>Course Up view rotates the map to match the direction of your vehicle.</p>	

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:

FEATURES AND CONTROLS

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 your 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.

NOTE

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.

FEATURES AND CONTROLS

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 and album art, 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

FEATURES AND CONTROLS

ICON BAR

The icon bar at the top of the screen displays cell phone related information, ambient temperature, clock, and the GPS information. Some of these built-in features are only functional with the addition of Polaris Accessories. Your Polaris dealer can assist.

In most situations, the GPS and mapping features will function best while the vehicle is outdoors in an open space.



- ① Signal Strength
- ② Headset Connected

- ③ Compass
- ④ Ambient Temperature
- ⑤ Clock

GROUP RIDE



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.



GROUP RIDE SETUP



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.

NO VEHICLE TO VEHICLE (V2V) ANTENNA

If your vehicle is not equipped with a vehicle-to-vehicle (V2V) antenna, use the following procedure to setup Group Ride via Mobile Phone:

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

FEATURES AND CONTROLS

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.

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.
3. Tap the **Join** button to join a group.
4. 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 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 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)



Plow Mode is an automated plow control system based on vehicle gear position.

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.

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.



FEATURES AND CONTROLS

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 override 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



OPERATION

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
- V2V Status
- Plow Mode



ENGINE OVERHEAT INDICATORS

TEMPERATURE SCALE

The engine temperature scale on the left-side of the display screen changes to RED and the check engine temperature indicator on the right-side of the screen illuminates when the engine is overheating. Take action to cool the engine.

NOTE
Please 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 create a misfire condition. Stop the engine immediately. Allow the engine to cool down.

NOTE
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 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.



Polaris' 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™ 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.

CAUTION

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

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™ ACTIVE SUSPENSION

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

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 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.

DISPLAY FEATURES

⚠ 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 | ⑥ Active Vehicle Event State Pop-ups (Cornering, Braking, Accelerating, Airborne) |
| ② Accelerator Pedal Position | ⑦ Steering Angle |
| ③ Vehicle Speed | ⑧ G-Meter (vehicle lateral and longitudinal acceleration) |
| ④ Brake Status | |
| ⑤ Current Damping Setting (shown as both a bar gauge and an integer for each shock) | |

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

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

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
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

NOTE
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 <https://ridecommand.polaris.com/en-us/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.

MAINTENANCE

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 polaris.com/ridecommand 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 4G 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.

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