



USER'S GUIDE

POLARIS INTERACTIVE DIGITAL DISPLAY



User's Guide

Polaris Interactive Digital Display

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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.

Polaris Interactive Digital Display User's Guide




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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.

SAFETY SYMBOL/SIGNAL WORD	DESCRIPTION
	WARNING indicates a hazardous situation that, if not avoided, may result in death to the operator, bystanders or person(s) inspecting or servicing the vehicle.
	SAFETY ALERT CAUTION indicates a potential hazard that may result in minor personal injury or damage to the vehicle.

SAFETY SYMBOLS AND SIGNAL WORDS

SAFETY SYMBOL/SIGNAL WORD	DESCRIPTION
	CAUTION indicates special precautions that must be taken to avoid vehicle damage or property damage.
	IMPORTANT provides key reminders during disassembly, assembly, and inspection of components.
	NOTICE provides key information by clarifying instructions.

Thank you for purchasing a Polaris Interactive Digital Display (PIDD), and welcome to the Polaris Ride Command® family. Your PIDD is easy to use and will allow you to customize the information displayed through the use of alternate screen selections. The Ride Command® app gives you the power to plan, track and share your rides, as well as connect to radar weather, rider services and more.

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

WELCOME

WARNING

Do not enter information or adjust this device while operating your vehicle. Distracted driving can result in loss of control, collision or accident, which may result in serious injury or death. Avoid using any features and devices while driving that may take your attention away from the road or trail and safe driving habits, even for a moment. The operator assumes all risk associated with using this device. Please read the owner's manual provided with your vehicle.

CAUTION

The speedometer may display incorrect values if the existence of electromagnetic radiation is ≥ 10 V/m.

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FEATURES AND CONTROLS INTERACTIVE DISPLAY SCREEN

The PIDD features a 4.3-inch high resolution full color LCD display that provides access to the following information and functions.



FEATURES AND CONTROLS

PERFORMANCE

View the speedometer, tachometer, dual trip meters, odometer.

OPERATING CONDITIONS

View fuel level, coolant temperature, battery voltage, gear position, all-wheel drive status, diagnostics and maintenance warnings.

RIDING CONDITIONS

View the clock, change display settings.

BLUETOOTH FUNCTIONALITY

Use Bluetooth-enabled communication with cell phone (with notification of incoming calls and texts, and ability to view battery strength and signal strength).

GPS/MAPPING

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 tracks.

NOTE

The compass is controlled by the GPS system. Calibration is not required.

SECURITY (SNOWMOBILES)

If security is enabled, lock your vehicle using a security code.

SCREEN OPTIONS

Customize screens.

FEATURES AND CONTROLS

BEFORE RIDING WITH YOUR NEW PIDD

Before riding with you new PIDD, do the following:

1. Read the entire manual.
2. Familiarize yourself with the features and operation of the PIDD while the vehicle is stationary.
3. Register for a Ride Command® account.
4. Update trails/maps data on your new PIDD.

NOTE

New trail data is available every 90 days. For the latest trails and maps, update the PIDD every 90 days.

GETTING STARTED

Use the ignition key to turn the PIDD on or off, or to reboot (when necessary).

MODELS WITH A BATTERY

ON	Turn the key to the ON/RUN position.
OFF	Turn the key to the OFF position.
REBOOT	Option 1: Turn the key OFF for 5 seconds, then turn the key to ON/RUN.
	Option 2: With the key ON, press and hold Display Key 5 for 20 seconds, then release.

FEATURES AND CONTROLS

MODELS WITHOUT A BATTERY

ON	Start the engine.
OFF	Turn the key to the OFF position.
REBOOT	Option 1: Turn the key OFF for 5 seconds, then start the engine.
	Option 2: With the engine running, press and hold Display Key 5 for 20 seconds, then release.

NOTE

Using the auxiliary engine stop switch on a snowmobile to turn off the engine will not turn off the PIDD.

DISPLAY KEYS

Use the five display keys to access the PIDD menus. Press and release any key to display the PIDD menu icons at the lower edge of the screen. With the menu icons displayed, press a specific key to view menu options for that key.

KEY	FUNCTION
① Key 1	Alternate Screen Selection
② Key 2	ODO / TRIP 1 / TRIP 2 / TRIP / ENG
③ Key 3	Main Menu
④ Key 4	Battery Voltage / Temperature Reading
⑤ Key 5	Bluetooth Menu or Diagnostics if present



FEATURES AND CONTROLS

KEY 1 - ALTERNATE HOME SCREEN SELECTION

1. Press any key to display the PIDD screen icons.
2. Press Key 1 repeatedly to display each home screen option.

KEY 2 - ODOMETER / TRIP METER / ENGINE HOURS

1. Press any key to display the PIDD screen icons.
2. Press Key 2 repeatedly to display each option.
 - Odometer (ODO)
 - Trip 1
 - Trip 2
 - Trip Hours (TRIP)
 - Engine Hours (ENG)



KEY 3 - MAIN MENU

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle through the menu.
 - Key 2: Toggle up
 - Key 4: Toggle down
4. Use the remaining keys to perform other actions in the main menu.
 - Key 1: Toggle between day and night screen (brightness)
 - Key 3: Select
 - Key 5: Exit menu

FEATURES AND CONTROLS

KEY 4 - BATTERY VOLTAGE / COOLANT TEMPERATURE

1. Press any key to display the PIDD screen icons.
2. Press Key 4 repeatedly to display each option.
 - Battery Voltage
 - Coolant Temperature



NOTE

The display will automatically switch to the appropriate bar graph and turn red when a fault is detected.

KEY 5 - BLUETOOTH MENU (OR DIAGNOSTICS MENU)

1. Press any key to display the PIDD screen icons.
2. Press Key 5 to display Bluetooth features. If a fault exists, Key 5 enters the Diagnostics menu.
3. Use the display keys to access Bluetooth features.

Key 1	Phone
Key 2	Text
Key 3	Toggle Bluetooth on/off
Key 4	Settings
Key 5	Exit menu

4. If Audio is enabled, Keys 1 and 2 change to the following:

Key 1	Audio
Key 2	Phone/text

FEATURES AND CONTROLS

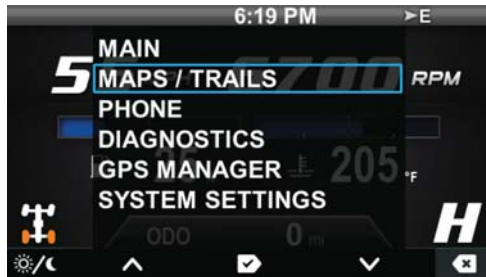
MAPS/TRAILS

Select MAPS/TRAILS from the menu to:

- View Maps/Trails
- Drop Waypoint
- Save Tracks

To access the MAPS/TRAILS features, do the following:

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to MAPS/TRAIL. Press Key 3 to select.

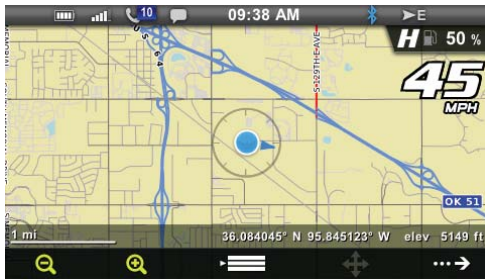


VIEW MAP

To view MAPS/TRAILS, do the following:

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to MAPS/TRAILS. Press Key 3 to select.
4. Use the display keys to access the map features.

KEY	FUNCTION
Key 1	Zoom out
Key 2	Zoom in
Key 3	Display menu
Key 4	Pan (disabled above 10 MPH / 16 km/h)
Key 5	Advance to next screen (GPS/Tracks Map)



FEATURES AND CONTROLS

GPS/TRACKS MAPS

Use the display keys to navigate the GPS/Tracks menu.

KEY	FUNCTION
Key 1	Centers the map on your GPS location. The centering will occur after vehicle speed exceeds 10 MPH (16 km/h). Once the map is centered, key 1 toggles between COURSE UP and NORTH UP .
Key 2	Places a marker at your GPS location. If your vehicle is stopped, the keyboard will display so you can name and save the waypoint. If your vehicle is moving, the waypoint will be placed and automatically named. Press and hold Key 2 to enter the Waypoint Manager menu.
Key 3	Displays the keyboard to name and save the track. Up to 10 tracks can be saved. Press and hold Key 3 to enter the Track Manager menu.
Key 4	Displays a confirmation message before clearing the current track.
Key 5	Exit

MAP ORIENTATION

Press Key 1 to toggle map orientation between **Course Up** and **North Up**

COURSE UP

The arrow points towards the front of the vehicle and the map rotates around the center arrow. The direction the vehicle is traveling is displayed in the upper right hand corner. When in this mode, NORTH UP is shown for Key 1. selecting Key 1 switches display to NORTH UP mode.



FEATURES AND CONTROLS

NORTH UP

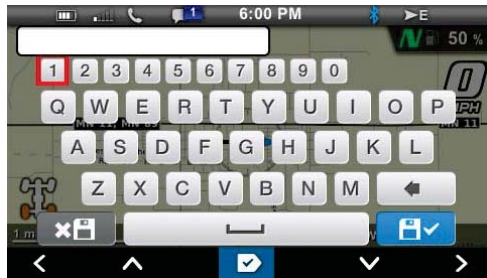
The top of the map is North and the arrow rotates indicating the directions the vehicle is traveling. When in this mode, COURSE UP is shown for Key 1. Selecting Key 1 switches display to COURSE UP mode.



KEYBOARD OPERATION

Use the display keys to navigate the keyboard.

KEY	FUNCTION
Key 1	Move left
Key 2	Move up
Key 3	Select the letter or number
Key 4	Move down
Key 5	Move right



FEATURES AND CONTROLS

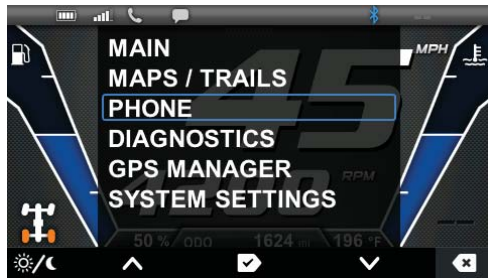
PHONE

Select PHONE from the menu to:

- Enable/Disable Audio

To access the PHONE features, do the following:

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to PHONE. Press Key 3 to select.



AUDIO DISABLED (IF EQUIPPED)

To disable the audio, do the following:

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to PHONE. Press Key 3 to select.
4. The phone main menu screen displays.
5. Use the display keys to navigate the phone main

KEY	FUNCTION
Key 1	Missed Calls
Key 2	Text Messages (if equipped)
Key 3	Turn Bluetooth on/off

FEATURES AND CONTROLS

KEY	FUNCTION
Key 4	Bluetooth Settings
Key 5	Exit

6. When one of the PIDD main screens is displayed, press any key to display the PIDD screen icons. Press Key 5 to access the phone menu. (The diagnostic screen displays if an active fault exists).

AUDIO ENABLED (IF EQUIPPED)

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to PHONE. Press Key 3 to select.
4. If audio is enabled, the display will go directly to the Audio Screen.

5. Use the keys to control Audio Track and Volume.

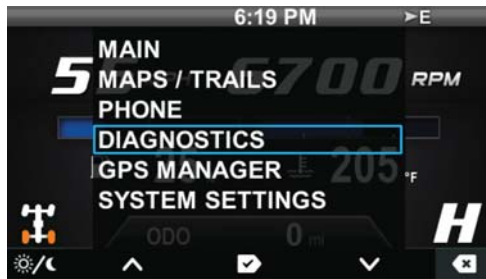
KEY	FUNCTION
Key 1	Toggle between Volume and Track control
Key 2	Volume Down or Previous Track
Key 3	Play/Pause
Key 4	Volume Up or Next Track
Key 5	Back to Phone Menu

FEATURES AND CONTROLS

DIAGNOSTICS

Select DIAGNOSTICS from the menu to:

- View Fault Codes
- View Potential Corrective Measures



To access the DIAGNOSTICS, do the following:

1. Press any key to display the PIDD screen icons.

NOTE

For snowmobiles, only active faults display and the engine must be running to view faults. If the Malfunction Indicator Light (MIL) illuminates, stop the snowmobile but do not stop the engine if you wish to view the faults.

2. Press Key 3 to display the main menu options.
3. Toggle to DIAGNOSTICS. Press Key 3 to select.
4. If any faults have been detected, a description screen displays with the number of faults listed at the bottom center of the display.

FEATURES AND CONTROLS

5. Press Key 2 or Key 4 to scroll through the faults.

NOTE

Faults display if they were active at least once during the current ignition cycle. If the Malfunction Indicator Light (MIL) is ON, one or more of the faults in this list is an active fault.

6. Press Key 5 to exit.
7. For a system diagnostics inspection and/or service, please see your authorized Polaris dealer.

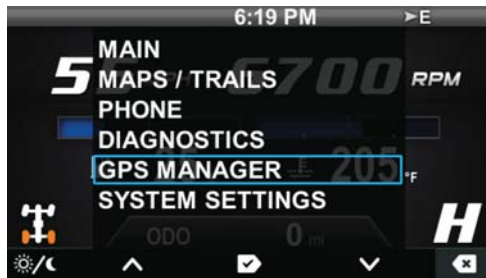
GPS MANAGER

Select GPS MANAGER from the menu to:

- Track Manager
- Waypoint Manager
- Satellite Status

To access the GPS MANAGER, do the following:

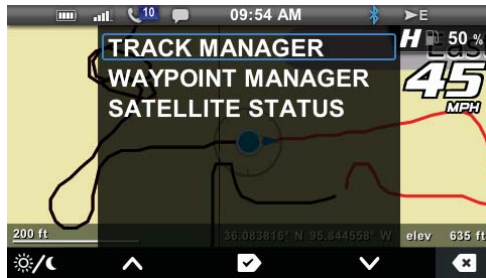
1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to GPS MANAGER. Press Key 3 to select.



FEATURES AND CONTROLS

TRACK MANAGER

The Track Manager allows you to edit a track name, hide or display a track and import or export a track. Track Manager also displays the Track distance and Time on Track for selected tracks.



IMPORTING AND EXPORTING TRACKS AND WAYPOINTS

Importing or exporting tracks and waypoints requires a USB drive in the accessory connector. An exported file will be a .gpx format file that can be read by various devices or imported into mapping software. Any files you import must be available on the USB drive at the root level (not in a folder) and must be .gpx format files.

1. Enter the desired manager menu (Tracks or Waypoints).
2. Press Key 5 to toggle to the selection list. Toggle to Import or Export. Press Key 5 to select.
3. Toggle to the desired track or waypoint file name. Press Key 5 to select.
4. Press Key 2 to export selected tracks or waypoints. Press Key 4 to export all tracks or waypoints. Press Key 5 to reject.
5. If exporting, the file will be saved to the USB drive.
6. If importing, the processing screen displays.

FEATURES AND CONTROLS

POSSIBLE ERRORS

One of the following screens displays if a processing error occurs.

The device does not contain enough space to save the waypoint or track.



FEATURES AND CONTROLS

The USB device is not seated properly.



FEATURES AND CONTROLS

The file contains an error.



FEATURES AND CONTROLS

The file name contains an error. Special characters are not accepted in the file name.



FEATURES AND CONTROLS

WAYPOINT MANAGER

The Waypoint Manager allows you to edit, delete, import or export a waypoint or view a saved waypoint on the map. When Go To is turned ON in the Waypoint Manager, an arrow displays on the map, pointing in the direction of the selected waypoint. The distance to the waypoint is shown in the lower right hand corner of the display and is based on shortest possible distance to waypoint (as the crow flies). This feature can be used for only one waypoint at a time.

1. Press Key 5 to toggle to the selection list.
2. Press Key 4 until Go To is highlighted. Press Key 5 to toggle the setting ON or OFF.
3. Press Key 5 to exit the map.



SATELLITE STATUS

In the GPS Manager menu, select Satellite Status. The screen displays all available satellites in the area. Press Key 3 to exit.

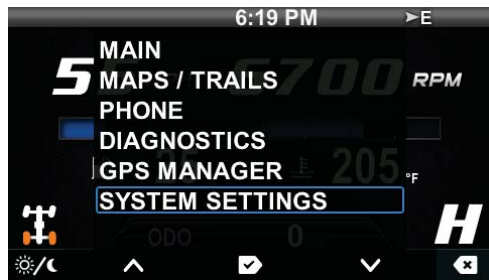


FEATURES AND CONTROLS

SYSTEM SETTINGS

Select SYSTEM SETTINGS from the menu to:

- Access Display Settings
- Access Service Information
- Change Units
- Access Time Settings
- View System Information
- View Vehicle Settings
- Access Media Features (if equipped)



To access the SYSTEM SETTINGS, do the following:

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to System Settings. Press Key 3 to select.

NOTE

If demo mode is enabled, you can toggle through the resulting menu to view options without the risk of changing settings. This tool is useful as a tutorial or for training at your dealership.

FEATURES AND CONTROLS

DISPLAY

To view or adjust the display settings, do the following:

1. In the System Settings menu, select DISPLAY.
2. Toggle to the desired setting:
 - Day/Night/Auto mode
 - Brightness level
 - Language
 - Demo (enable/disable)

3. Press Key 1 or Key 5 to change a setting.

NOTE

If Day is selected, changing the brightness will change the day mode brightness level. If Night is selected, changing the brightness will change the night mode brightness level.

NOTE

If Auto is selected, the display will automatically switch between Day and Night modes based on time of day and day of year.

4. Press Key 3 to exit.

FEATURES AND CONTROLS

SERVICE (IF AVAILABLE)

To view your vehicle's service information, do the following:

1. In the System Settings menu, select SERVICE.
 - Engine Hours displays hours of engine operation since manufacture.
 - Interval is an editable setting that provides a service reminder at the set interval. Interval can be set to any 5-hour increment between OFF and 100 hours.
 - Hours to Service displays hours remaining to reach the set service interval.
2. Press Key 5 to reset.
3. Press Key 2 to increase the interval or Key 4 to decrease the interval, if desired. Press Key 3 to confirm a change or reset the existing interval.
4. Press Key 2 to view additional odometer information:
 - Odometer
 - Oil Life

5. Press Key 5 to reset oil life. A warning displays at startup if vehicle mileage exceeds the oil life mileage.

NOTE

Initial Oil Milage Warning is set to go off at 500 miles. After first reset, Oil Milage Warning will display every 1000 miles.

FEATURES AND CONTROLS

UNITS

The units can be set to display U.S. customary units or the International System of Units (metric) and a 12-hour clock or a 24-hour clock.

1. In the System Settings menu, select UNITS.
 - Speed
 - Temperature
 - Clock
2. Toggle to the desired setting.
3. Press Key 1 or Key 5 to change the setting.
4. Press Key 3 to exit.



TIME

1. In the System Settings menu, select TIME.
 - Source (GPS satellites)
 - GMT (Greenwich Mean Time) Offset
 - DST (Daylight Savings Time) (Enable/Disable)
2. Toggle to the desired setting.

NOTE

Enabling DST adds one hour regardless of the date.
DST does not automatically update and must be selected by the rider.

3. Press Key 1 or Key 5 to change setting.

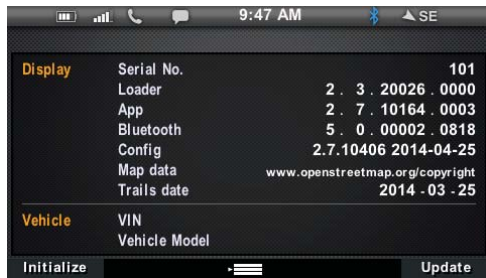


FEATURES AND CONTROLS

SYSTEM INFORMATION

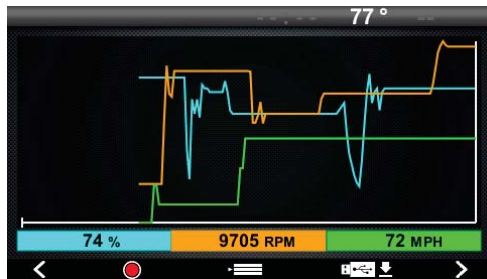
To view your System Information, do the following:

1. In the System Settings menu, select SYSTEM INFO.
2. View the following system information in this display.
 - PIDD Serial Number
 - Bootloader Version
 - Display Operating System Application Version
 - Software Configuration and Date
 - Map Data Version Build Date
 - Trails Data Version and Build Date
3. Press Key 3 to exit.



VEHICLE SETTINGS

1. In the System Settings menu, select VEHICLE SETTINGS.
 - Clutching
2. Key 2 starts and stops recording graph data.
3. Key 4 downloads recorded graph data to a USB drive inserted in the vehicle's USB port. Data is saved as a .csv file.



FEATURES AND CONTROLS

MEDIA

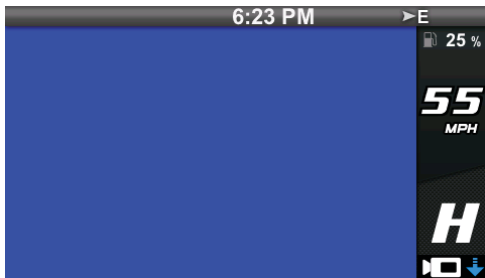
To access the Media settings, do the following:

1. In the System Settings menu, select MEDIA.
2. Toggle to desired setting.
 - Audio
 - Video Rear (if equipped)
 - Video Front (if equipped)
3. Press Key 1 or Key 5 to change the setting.
4. Press Key 3 to exit.



VIDEO REAR (IF EQUIPPED)

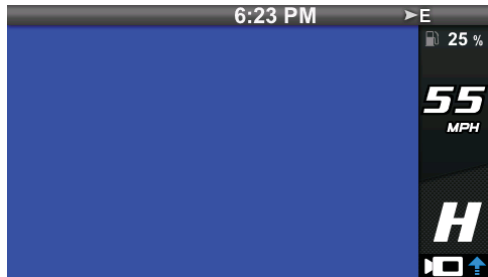
1. If enabled, the display will automatically switch to rear camera when vehicle is in reverse.
2. Press Key 5 to toggle between front and rear video (if equipped).



FEATURES AND CONTROLS

VIDEO FRONT (IF EQUIPPED)

1. Press any key to display the PIDD screen icons.
2. Press Key 1 repeatedly to display each home screen option.
3. If enabled, front camera will follow the Auxiliary 2 home screen.
4. Press Key 5 to toggle to Rear Video (if equipped).
5. Press Key 1-4 to go to the primary riding screen.



OPERATION

PIDD FOR SNOWMOBILES

Certain PIDD features are active only when using the display on snowmobiles. Some PIDD features may function only while the engine is running (such as Security and Diagnostics). If an PIDD feature seems nonfunctional, start the engine to access that feature. Do not allow an engine to run in an enclosed area without adequate ventilation.

Snowmobile-specific PIDD features include:

- Left Hand Controls
- Fuel Type Selection
- Security (if enabled)
- Average / Max Speed

PIDD features that are not active when installed on a snowmobile include:

- Gear selection (reverse only)
- All-Wheel Drive Indicator

OPERATION

INITIALIZATION PROCESS

The PIDD initialization process must be performed on some snowmobiles (not required on all models) in order for a new or newly installed PIDD to function properly. It must also be performed every time the PIDD is updated with files from the Ride Command web site.

Models requiring initialization include:

- 600 AXYS models
 - Any non-AXYS model for which an accessory PIDD is available
1. Start the engine. Do not allow an engine to run in an enclosed area without adequate ventilation.
 2. In the System Settings menu, select SYSTEM INFO.
 3. Press and hold Key 1 until the next screen displays.
 4. Press Key 3. The display will reboot and begin the configuration process.

LEFT HAND CONTROLS

The left hand controls on AXYS and 600/800 PRO-RIDE models allow riders to switch screens, zoom in or out and drop waypoints without removing their hands from the handlebars.

WARNING

Do not enter information or adjust this device while operating your vehicle. Distracted driving can result in loss of control, collision or accident, which may result in serious injury or death. Avoid using any features and devices while driving that may take your attention away from the road or trail and safe driving habits, even for a moment.

The operator assumes all risk associated with using this device. Please read the owner's manual provided with your vehicle.

MODE AND SET SWITCH

Pressing the MODE and SET switches quickly (press/release) or slowly (hold 2 seconds or longer) allows riders to change a variety of display options. The functionality of each switch is based on the screen the PIDD is displaying at the time.

Switch functions are outlined in the following tables. Review these tables to become familiar with the functions of each switch.

OPERATION

SWITCH FUNCTIONS WHILE VIEWING MAPS

Quick = Press/Release

Slow = Hold for 2+ seconds

SWITCH	MOTION SPEED	RESULT
SET	Slow	Toggle between MAPS/TRAILS and MAIN screens
SET	Quick	Zoom IN (+)
MODE	Quick	Zoom OUT (-)
MODE	Slow	Drop waypoint at current location

SWITCH FUNCTIONS WHILE VIEWING MAIN SCREENS

Quick = Press/Release

Slow = Hold for 2+ seconds

SWITCH	MOTION SPEED	RESULT
SET	Slow	Toggle between MAPS/TRAILS screen and MAIN screens
SET	Quick	Toggle between Battery Voltage and Coolant Temperature
MODE	Quick	Toggle between Odometer, Trip 1 and Trip 2
MODE	Slow	Clear the current trip meter

OPERATION

VEHICLE SETTINGS

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to System Settings. Press Key 3 to select.
4. In the System Settings menu, toggle to VEHICLE SETTINGS (specific to snowmobiles). Press Key 3 to select.
 - Fuel type
 - Lock
 - Change Code

NOTE

Lock and Change Code display only if the engine is running and the PIDD has been initialized.

FUEL TYPE SELECTION

1. In the Vehicle Settings menu, toggle to FUEL TYPE.
2. Press Key 3 to select.
3. Press Key 2 or Key 4 to toggle between the fuel types. When the screen displays the fuel type used in the fuel tank, press Key 3 to exit.



OPERATION

PIDD POWER SOURCES

NOTE

On snowmobiles equipped with an electric start battery and PIDD, always turn the key off when the PIDD is not in use. If the key remains in the RUN position after using the auxiliary engine stop switch to stop the engine, the PIDD remains active, drawing power from the battery.

NOTE

The PIDD is not dependent on the battery while the engine is running, but the battery supplies a constant power source when the engine is off or when the engine is transitioning between forward and reverse operation. If a battery is not installed, the PIDD reboots when the engine is started and when electronic reverse (PERC) is used.

AVERAGE SPEED / MAX SPEED

When using the PIDD on a snowmobile, two additional features are available for KEY 2, Average Speed and Max Speed.

1. Press any key to display the PIDD screen icons.
2. Press Key 2 repeatedly to display each option.
 - Odometer (ODO)
 - Trip 1
 - Trip 2
 - Trip Hours (TRIP)
 - Engine Hours (ENG)
 - Average Speed (AVG)
 - Maximum Speed (MAX)
3. Average Speed (AVG) displays the average speed of the vehicle since the last user reset.
4. Max Speed (MAX) displays the fastest speed reached since the last user reset.
5. To reset AVG or MAX, press any key to bring up the menu icons, then hold Key 2 to reset value.

LOCK THE IGNITION

FIRST TIME ACTIVATION

Snowmobiles equipped with the PIDD are equipped with a security function that can be activated by an authorized Polaris dealer. If you have this feature activated, you can lock the ignition to prevent unauthorized use when leaving the snowmobile unattended. A locked system will limit engine speed to 3000 RPM, which prevents clutch engagement, and the snowmobile will not move when throttle is applied.

1. Have the security system activated by your authorized Polaris dealer.
2. The factory default security code is “000”. Change the default security code to a code of your own choosing.

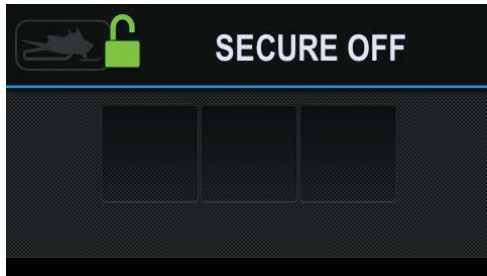
LOCK THE IGNITION

1. Start the engine. Do not allow an engine to run in an enclosed area without adequate ventilation.
2. Press any key to display the PIDD screen icons.
3. Press Key 3 to display the main menu options.
4. Toggle to System Settings > Vehicle Settings > LOCK.
5. Press Key 3 to select. The ENTER CODE screen will display.
6. Press Key 2 or Key 4 to enter the current 3-digit security code. Press Key 5 to toggle to each digit.
7. If the code is not accepted, a BAD CODE screen will display.
8. Follow the prompts and re-enter the current security code. When the code is accepted, the “locked” symbol and ENTER CODE screen displays. The ignition is locked.

OPERATION

UNLOCKING THE IGNITION

1. Start the engine. The locked symbol and ENTER CODE screen displays. Do not allow an engine to run in an enclosed area without adequate ventilation.
2. Press Key 2 or Key 4 to enter the current 3-digit security code. Press Key 5 to toggle to each digit.
3. If the code is not accepted, a BAD CODE screen will display. Follow the prompts and re-enter the current security code.
4. When the code is accepted, the “unlocked” symbol and SECURE OFF screen displays. The ignition is now unlocked.



CHANGE SECURITY CODE

The first time you change the security code, enter the default security code (000) at step 4.

1. Start the engine. Do not allow an engine to run in an enclosed area without adequate ventilation.
2. Toggle to System Settings > Vehicle Settings > CHANGE CODE.
3. Press Key 3 to select. The ENTER CODE screen will display.
4. Press Key 2 or Key 4 to enter the current 3-digit security code. Press Key 5 to toggle to each digit.
5. After successfully entering the current security code, the CHANGE CODE screen will display. Enter your new 3-digit security code.
6. Any time you change your security code, record the new code below for future reference. Keep this manual (or your security code) in a secure location where others will not be able to access your code.

NOTE

If you lose or forget your code please see your authorized Polaris dealer to have the code reset to the default code (000). Only authorized Polaris dealers may reset a lost or forgotten security code.

OPERATION

DETONATION ELIMINATION TECHNOLOGY (DET)

The DET system prevents damage to the engine from detonation by entering an engine protection mode whenever the DET system is active.

When excessive detonation is detected, the check engine light will illuminate. You may notice decreased engine performance and RPM when the DET system is activated. In most cases this is temporary and no action is required. The engine will return to its normal performance automatically.



If severe detonation occurs:

- The check engine light begins to flash steadily.
- The PIDD displays “Detonation Detected - MAG (or PTO).”
- The engine enters DET latching (limp home) mode.
- On 2015 800 AXYS models, the ECU closes exhaust valves to limit engine power in DET latching mode. On all other 2015 AXYS and PRO-RIDE models, the ECU will shut down the engine during DET latching mode. In either event, restart the engine to reset the mode.
- For all 2015 AXYS and PRO-RIDE models, the ECU will shut down the engine during a critical overheat condition.

OPERATION

ENGINE OVERHEAT INDICATORS

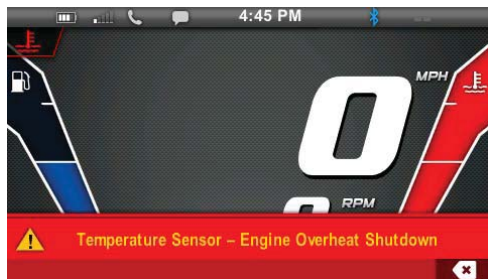
TEMPERATURE SCALE

NOTE

Please see your vehicle owner's manual for more information. If engine overheating seems to be caused by something other than poor cooling conditions, see your dealer for service.

The engine temperature scale at the right side of the PIDD screen changes to RED and the check engine temperature indicator at the top left of the screen illuminates when the engine is overheating. Take action to cool the engine. The indicator will flash when engine temperature reaches critical levels. Stop the engine immediately.

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.



BLUETOOTH BEFORE CONNECTING COMPATIBILITY

1. Refer to your phone's user manual before attempting to connect to the PIDD.
 - Review how to connect your phone to a Bluetooth device.
 - Review the different types of connections offered by your phone manufacturer and how the connection type affects information sharing.
2. Verify that your phone is equipped with Bluetooth and that Bluetooth is turned on.

NOTE
Some of the features and functionality of the PIDD may vary due to the operations software on your phone.

OPERATION

CONNECTION MANAGEMENT

ENABLING/DISABLING BLUETOOTH

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to PHONE. Press Key 3 to select.
4. The phone main menu screen displays.
5. Press Key 3 to turn Bluetooth on or off.

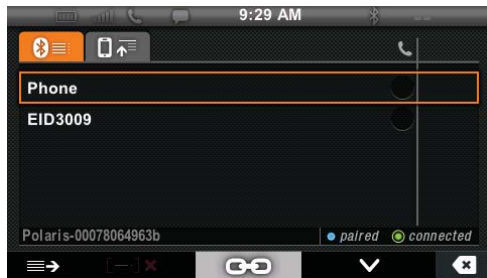


NOTE

The display will remember the state of Bluetooth at the next power-up. It will automatically connect to a paired device following the order set in the priority list.

BLUETOOTH SETTINGS

1. With the phone main menu screen displayed, press Key 4 to open Bluetooth Settings.
2. When the display opens Bluetooth Settings it becomes discoverable to other Bluetooth devices. After 5 seconds the display will start searching for devices.
3. When the search is completed, the PIDD displays any devices found. Press Key 4 to toggle through the list. The indicators at the lower right edge of the screen indicate whether the selected device is paired and/or connected.
4. The PIDD will perform the search again every 10 seconds until the device is paired.



OPERATION

The display will not search for devices again unless one of the following occurs:

- You exit and re-enter the display
- The device is disconnected

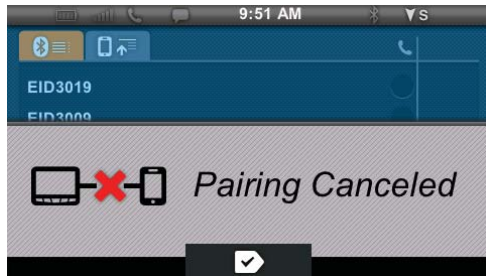
Devices must be discoverable to show up in the list. Your phone settings may need to be changed to allow notifications and missed calls and text messages to display.

COLOR/INDICATOR	DESCRIPTION
BLUE	The device is paired but not connected.
GREEN	The device is paired and connected.
NONE	The device is not paired.

PAIRING FROM THE DEVICE

To pair from the device follow the device's instructions to pair with the display. Accept the request on the display when it appears. The device will automatically connect after pairing.

If an error occurs during pairing, or if the pairing is rejected by either device, the Pairing Canceled screen displays.



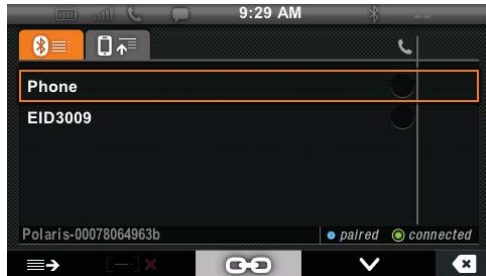
OPERATION

CONNECTING A FORMERLY PAIRED DEVICE

NOTE

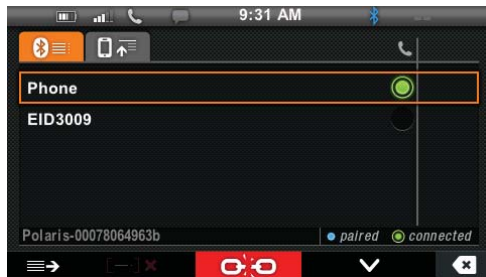
Phone compatibility may vary. Some functions are dependent on phone settings that must be set by the user. Refer to your phone's user manual for more information.

1. To connect a device that was previously paired, toggle to the device in the display. Press Key 3.
2. After connecting, the display will request the number of missed calls and update the display.



DISCONNECTING A DEVICE

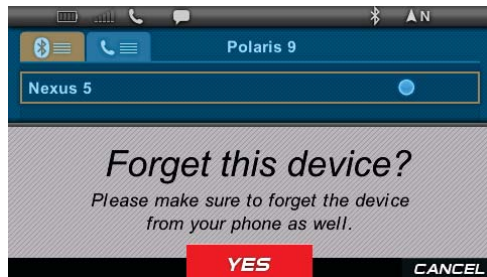
To disconnect a device, toggle to the device in the display. Press Key 3.



OPERATION

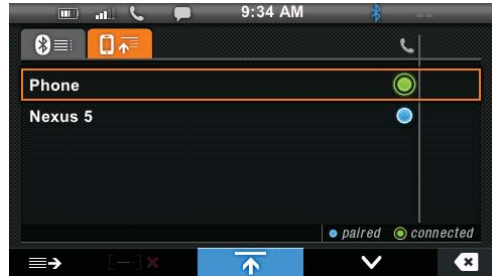
UNPAIRING A DEVICE

1. If the device is connected, disconnect the device before unpairing.
2. To unpair a device, toggle to the device in the display. Press Key 3 to unpair.
3. The confirmation screen displays. Press Key 3 to confirm.



CHANGING DEVICE AUTOMATIC CONNECTION PRIORITY

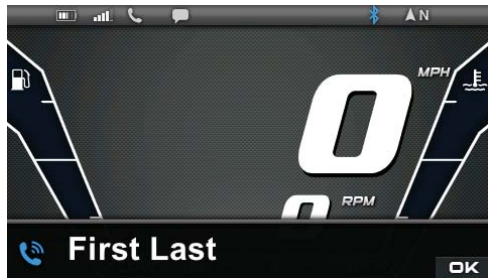
1. To change which device automatically connects, toggle to the desired device in the display. Press Key 1 to display the priority screen.
2. Press Key 3 to move the selected device up the list.
3. Press Key 5 to exit.



OPERATION

PHONE

If a phone call is received while the phone is connected, the caller's name (if available) or phone number (if supported) displays. Press Key 5 to acknowledge and remove the notification.

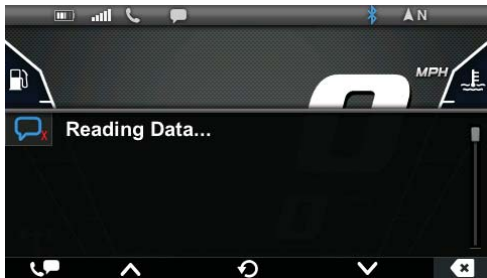


NOTE

If the text messaging symbol in the upper left corner of the display does not illuminate (in white), the device is either not connected or not compatible with this feature. Check your phone's text notification settings to make sure this feature is enabled.

VIEW MISSED CALLS LIST

1. With the phone main menu screen displayed, press Key 1 to request missed calls. The screen displays the phone symbol and “Reading Data.”
2. If an error occurs during the request, an error message screen displays. Press Key 3 to accept.
 - For a “Data Request Timeout” message, press Key 3 to repeat the request.
 - For a “Data Error from Phone” message, verify that your phone is compatible and that Bluetooth is turned on before repeating the request.
3. If the phone is compatible, the screen displays the most recent missed calls (up to 20) or “No Missed Calls”.
4. Press Key 2 or Key 4 to toggle through the list.
5. Press Key 3 to refresh the list.



OPERATION

VIEW UNREAD TEXT MESSAGES LIST

1. With the phone main menu screen displayed, press Key 2 to request unread text messages. The screen displays the text message symbol and “Reading Data”.

NOTE

To switch between Missed Calls and Unread Text Messages while navigating either menu, press Key 1.

2. If an error occurs during the request, an error message screen displays.
 - “Data Request Timeout”: Press Key 3 to accept. Press Key 1 to repeat the request.
 - “Data Error from Phone”: Press Key 3 to accept. Verify that your phone is compatible and that Bluetooth is turned on before repeating the request.
3. If the phone is compatible, the screen will display a list of the unread messages. If there are no unread messages since the device was paired, “No new messages since connected” displays.

NOTE

Most Android phones will display ALL unread messages. Other phones may display unread messages only since connection with the display.

4. Press Key 2 or Key 4 to toggle through the list.
5. Press Key 3 to refresh the list.

BLUETOOTH NOT RESPONDING

Press Key 3 to reboot or press Key 5 to cancel.
Bluetooth may not be functional until the device is rebooted.



OPERATION

CONNECT YOUR SMARTPHONE TO THE PIDD

The PIDD can be used with most smartphones. Ride Command™ can be used to provide trail data for the PIDD device. Before registering and connecting the PIDD to Ride Command™, use the following steps to connect your smartphone to the PIDD.

1. Open your phone's Bluetooth menu and make your phone discoverable.
2. On the vehicle, turn the ignition key to the ON/RUN position. The engine does not have to be running.
3. View the Bluetooth settings on your phone. The PIDD Connect Bluetooth Adapter should appear as "Polaris - ####" (the last 4 digits of the adapter's address).
4. When the adapter is visible, select it to connect your phone to the adapter.
5. Launch the PIDD and verify that the connection status bar indicates the phone is connected.

RIDE COMMAND™ FOR PIDD

Ride Command™ is the #1 resource for power sports enthusiasts. Ride Command™ provides everything you need to enhance your riding experience. For the PIDD, Ride Command™ provides downloadable trails. For more information about all of our free features, please visit <http://ridecommand.polaris.com/pidd>.

USB HARDWARE RECOMMENDATIONS

For software updates, Polaris recommends using a SanDisk® or similar USB flash drive with a minimum of 4G in available memory, formatted using the FAT32 file system. For assistance, search the web for “How to format FAT32”. For best results, remove all files from the flash drive before starting the update process.

NOTE

You MUST remove all other files from the USB flash drive before performing the update. The USB connection is not designed or intended to support the connection of any phone or device other than the recommended USB drive. The vehicle's USB connection is designed to support PIDD updates and allow the user to upload and download tracks and waypoints.

OPERATION

RZR MODELS

The USB connector (if equipped) is located behind the storage compartment/glove box on the dash.



RANGER MODELS

The USB connector (if equipped) is located inside the glove box.



OPERATION

ATV MODELS

The USB connector (if equipped) is located on the front side of the right handlebar controls.



SNOWMOBILE MODELS

The USB connector (if equipped) is located under the hood near the rear of the hood vents. Open the right side panel to access the connector.



OPERATION

UPDATE MAPS/TRAILS DATA

The Trails data and the Maps/Trails data on your PIDD can be updated using files downloaded from your Ride Command™ account.

NOTE

Before updating the PIDD, fully charge the vehicle's battery (if equipped). A 12-volt minimum is required for completing the updates. You can have the battery on a battery tender while performing the update.

NOTE

New trail data is available every 90 days. For the latest trails and maps, update the PIDD every 90 days.

DOWNLOAD THE DATA

1. Go to <http://ridecommand.polaris.com/pidd>
2. Select *Digital Displays*.
3. Select Download Trails Data (recommended every 90 days) or Download Trails and Map Data (recommended seasonally) for your vehicle type.
4. Accept the User Acknowledgement.
5. Choose “Save” if prompted to Run or Save. The download may take several minutes depending on your internet connection speed.

OPERATION

COPY FILES TO USB FLASH DRIVE

Connect the recommended USB flash drive to the computer used to download updates from ***http://ridecommand.polaris.com/pidd***.

The general procedures for extracting the files and saving them to the USB drive are outlined below. Your procedure may differ slightly depending on your computer's operating system.

NOTE

You must first extract the files from the folder and place them on the flash drive. The files cannot be in the file folder on the flash drive to perform the update.

MAC Computers:

1. Locate the downloaded zipped file (.zip) on your computer. Double-click the file to extract the contents.
2. Locate the extracted files and copy them onto the USB flash drive.

WINDOWS Computers:

1. Locate the downloaded executable file (.exe) on your computer. Double-click the file. Select “Run”.
2. Make a note of the file path shown in the “Extract to” window. Click “Extract”.
3. Navigate to the file location noted in the previous step. Open the folder and copy all of the extracted files onto the USB flash drive.

UPDATING THE PIDD

1. Before updating the PIDD, always export your existing tracks and waypoints to a USB drive to avoid losing them. When the PIDD update is performed, all formerly saved tracks and waypoints will be erased from the PIDD.
2. After downloading an update from your Ride Command™ account and saving the extracted files to the USB flash drive, connect the flash drive to the USB connector on your vehicle.

NOTE

Always download the most recent data from <http://ridecommand.polaris.com/pidd> before updating the PIDD.

OPERATION

3. Turn the ignition key to the ON/RUN position. If your vehicle does not have a battery, start the engine and allow the idle to stabilize before continuing. Do not allow an engine to run in an enclosed area without adequate ventilation.
4. Press any display key to display the PIDD screen icons.
5. Press Key 3 to display the main menu options.
6. Toggle to System Settings. Press Key 3 to select.
7. In the System Settings menu, select SYSTEM INFO.
8. Compare the “Trails date” on this screen with the “date modified” of the newly downloaded file on your USB drive or computer.
9. Continue with the update only if the new file date is more recent than the date listed in the PIDD.

NOTE

New trail data is available every 90 days. For the latest trails and maps, update the PIDD every 90 days..

10. Press Key 5 twice to continue.
11. If an error message occurs, perform one or all of the following actions to resolve the issue.
 - Remove and reconnect the USB flash drive securely.
 - Make sure the Ride Command files are not inside a folder on the flash drive.
 - Make sure only Ride Command files are on the flash drive. Remove any other files if necessary.
 - Try using a different USB flash drive.
12. If files are found by the device, you'll be prompted to restart in bootloader mode. Press Key 3 to confirm.
13. After the restart, read the warning message.

 **WARNING**

Maps/Trails are supplied as an aid and should not be used for any purpose requiring precise measurement of direction, distance of location. Polaris makes no warranty as to the accuracy or completeness of this map data.

OPERATION

14. Press Key 3 to accept. The screen displays the files found on the USB flash drive.
15. Press Key 3 or Key 4 to toggle to the desired file. Press Key 5 to select.
16. Press Key 5 to confirm.

NOTE

Do NOT turn the ignition key off while the file is downloading. A Trails Data update will take about 5 minutes. A Trails and Map Data update will take about 35 minutes.

17. Wait for the process to complete. If the update indicator at the upper left corner of the screen is spinning, the update is processing even if the status bar stops moving.

NOTE

If an error message displays, if the update takes much longer than expected or if a black screen displays when Maps are selected (after update is complete), an interruption or other event may have resulted in corrupt files. Perform the update manually by following the Manual PIDD Update procedure.

18. The PIDD will reboot automatically when the download is complete.
19. Turn the ignition key off.
20. Remove the USB flash drive from the vehicle. Close the protective cover on the USB connector.
21. Return the USB connector to its secured position if it was moved when connecting.
22. Repeat steps 3-7 to verify the update in SYSTEM INFO. The “Trails date” should now reflect the more recent file date.
23. Press Key 3 to exit.
24. Perform the following steps for snowmobiles after every update.
 - 800 AXYS models: Turn the ignition key off. Start the engine to allow the PIDD to automatically initialize (AWD indicator will disappear when completed).
 - 600 AXYS and all non-AXYS models: Turn the ignition key off. Perform the manual initialization procedure.

OPERATION

MANUAL PIDD UPDATE

Use this procedure only in the event of a failed update using the previous procedure.

1. Delete the formerly downloaded (corrupt) files from the USB drive. Return to ***<http://ridecommand.polaris.com/pidd>*** and download new files.
2. Turn the ignition key off for at least 10 seconds.
3. Connect the flash drive to the USB connector on your vehicle.
4. Press and hold any PIDD key while turning the ignition key to the ON/RUN position. Continue to hold the PIDD key until “Booting...” is no longer displayed. Release the PIDD key.
5. Perform steps 13-24 of the *Update the PIDD* procedure.
6. For more assistance:
 - See your Polaris dealer
 - Go to ***<http://ridecommand.polaris.com/pidd>***
 - Go to Polaris.com (Select your product group and click on the “Help” link at the upper right corner of the page. When the help page displays, look for “Helpful Links” at the right side of the page).

VERIFY THE UPDATE IN MAPS/TRAILS DISPLAY

WARNING

Maps/Trails are supplied as an aid and should not be used for any purpose requiring precise measurement of direction, distance of location. Polaris makes no warranty as to the accuracy or completeness of this map data.

1. Press any key to display the PIDD screen icons.
2. Press Key 3 to display the main menu options.
3. Toggle to MAPS/TRAILS. Press Key 3 to select.
4. Read the warning message that displays.
5. Press Key 3 to accept.
6. Press any key to display the PIDD screen icons.
7. Press Key 1 multiple times to zoom out.

OPERATION

8. Verify that the updated trails data is on map. Toggle to System Settings > SYSTEM INFO. The Trails and Map dates should now reflect the more recent file dates.

MAINTENANCE FREQUENTLY ASKED QUESTIONS

WHERE IS TRAIL COVERAGE?

Ride Command trails currently cover 85%+ of the legal riding opportunities across the United States for ORV and Snow. Polaris Ride Command works with Associations and Clubs to ensure all trails are properly vetted and up to date. Canada coverage will be coming soon.

WHAT SIZE USB DRIVE DO I USE TO UPDATE MY PIDD?

Please use a 4 or 8 GB USB drive to update your PIDD.

HOW DO I UPDATE THE SOFTWARE ON MY PIDD?

The software update is embedded in the “Update Trails + Base Map” and the “Update Trails Only” files. There is no separate update to update just the software for the PIDD.

MAINTENANCE

I UPDATED MY PIDD, BUT NOW I AM SEEING A SET OF WHEELS/AXLE IN THE BOTTOM LEFT CORNER OF THE DISPLAY, AN ENGINE IN THE TOP LEFT, AND A PERSON WITH A SEATBELT IN THE UPPER RIGHT HAND CORNER?

Please re-initialize your PIDD to get these icons removed from your display. Please follow the steps below:

HOW TO RE-INITIALIZE ANY 600 OR NON-AXYS 800:

NOTE

Engine must be running for this process to work properly.

1. Navigate to the System Info screen (Menu >> SYSTEM SETTINGS >> SYSTEM INFO)
2. Start the engine
3. Hold the “Initialize” (far left) button for about 10 seconds until the display asks to initialize

4. Press the center button to initiate the process. (You must hit PERC/REVERSE button to get this to work).

HOW TO RE-INITIALIZE AN AXYS 800:

NOTE

Engine must be running for this process to work properly.

1. Turn the Key OFF
2. Turn the Key On
3. Start the Engine
4. Display will automatically initialize

HOW DO I FIND THE USB CONNECTION ON MY SPECIFIC VEHICLE?

The USB connections are typically in a sealed dry storage area on the vehicle. Reference PIDD owner's manual showing locations on each vehicle for the USB connection.

MAINTENANCE

WHY DOES MY DISPLAY NOT ACQUIRE SATELLITE SIGNAL OR GPS?

In the GPS satellite screen (Main Menu -> GPS Manager -> Satellite Status), if less than 4 satellites are shown, move to an area with an unobstructed overhead view. If problems persist, check connections on GPS receiver on vehicle or see your dealer. NOTE: PIDD will acquire satellite reception faster if the vehicle is stationary and with a clear view to the sky.

WHAT DO I NEED TO DO WHEN I GET A “MEMORY FULL” WARNING WHILE IN THE MAP/TRAIL SCREEN?

You are reaching the limit allowed for an individual track. Save the current track, and start a new track. Up to 10 tracks can be saved.

HOW DO I HOOK-UP MY PHONE VIA BLUETOOTH TO THE PIDD?

The PIDD has the ability to be connected to notify the rider of incoming phone calls or text messages from a Bluetooth connected phone. To connect a phone to the display, use the Phone menu item in the display menu. Reference PIDD owner's manual for full details on connecting your phone via Bluetooth; see the phone's owner's manual for specific Bluetooth functionality.

HOW DO I SET THE CLOCK ON MY DISPLAY?

Two options exist for the clock function. GPS source automatically sets the clock when there is GPS signal. The internal clock can be manually set through System Settings -> Time. Ensure the time zone (GMT offset) and daylight savings mode are correct for your location if in GPS mode.

I AM RECEIVING A 307 ERROR CODE ON MY PIDD?

Please contact your authorized Polaris dealership.

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*Polaris Industries Inc.
2100 Highway 55
Medina, MN 55340*

*Part No. 9928803 Rev 02
Printed in USA*

