

Overview

This document describes some basic troubleshooting procedures for the Pason Rig Display. It also lists the functionality of the version of EDR on the Rig Display.

Screen Controls

The Rig Display touch screen has the following controls:

- **Lock** – Press and hold this button for three seconds to lock out the use of the touch screen. The lock icon flashes red and the screen backlight will dim. You probably want to do this before cleaning the screen. To unlock again, press the icon for three seconds.
- **Brightness** – Press and hold the plus and minus buttons to manually brighten or dim the screen.

Turning the Rig Display On and Off

You have the following options for turning the Rig Display on and off:

- **Plug In** - When you plug in the Rig Display, it should turn on automatically. Wait a minimum of 10 seconds between unplugging and plugging in the Rig Display.
- **Turn On** - To turn the Rig Display on manually, press the Start button on the bottom of the unit for a second. The Pason logo flashes, and a few seconds later the EDR interface displays.
- **Shut Down** - To shut down the Rig Display, press the Start button on the bottom of the unit for a second. The Pason logo flashes, and a few seconds later a normal Windows shutdown occurs. You can also shut down the Rig Display using the Start menu on the Windows toolbar.
- **Hard Shut Down** - If the Windows operating system freezes or gets hung up for longer than 40 seconds, perform a hard shut-down by pressing and maintaining gentle pressure on the Start button for at least four seconds. The Pason logo flashes for this duration until the system shuts down. You can also perform a hard shutdown by unplugging the Rig Display.
- **Safe Shut Down** - Rig Display trial units have a built-in uninterruptible power supply (UPS). If a Rig Display loses AC power for longer than five seconds, it will attempt a safe shutdown. This takes around 40 seconds.
- **Auto Reboot** – If the Rig Display is unresponsive for several minutes, it automatically reboots.

Using the Rig Display Touch Screen Keyboard

The Rig Display uses a Windows 7 touch screen interface. Follow these steps to bring up a keyboard on the touch screen:

1. Touch the screen.
2. Look for a keyboard tab on the left side of the screen.
3. Select and drag the keyboard to the middle of the screen.

Touch Screen Commands

To perform mouse actions on the touch screen, refer to Table 1 below.

Mouse Action	Touch Screen Action	Example
Click	Touch	Select the Start button
Double-click	Double-tap	Open a file
Right-click	Long-select (press and hold for 2 seconds)	Open a shortcut menu

Table 1: Mouse actions and their corresponding touch screen actions

Sunshield

To adjust the sunshield, loosen both knobs first. Otherwise, you may damage the sunshield.

Internet Limitations

The Rig Display is configured to limit Internet accessibility. You will be unable to access most Internet applications from the Rig Display.

Understanding Rig Display Image 4.1 EDR Run Modes

Rigs with both Rig Display Image 4.1 and EDR 3.18.2 or higher include the following three new EDR run modes: Rig Display EDR Disabled, Rig Display Standard, and Rig Display Drilling. Rig Display EDR Disabled *does not include* any EDR functionality. EDR functionality in Rig Display Standard and Rig Display Drilling is summarized in Table 2.

	Standard	Drilling		Standard	Drilling		Standard	Drilling
Default Views			Tools Menu			Setup: Menu		
All Sensors	✓	✓	Memos	✓	✓	Hole Fill Setup	✓	✓
Cement	✓	✓	Custom Memos	✓	✓	Pason Gas	✓	✓
Choke	✓	✓	Chat Configure	✓	✓	Screen Setup	✓	✓
Directional	✓	✓	Line Wear: Megajoules	✓	✓	HGAS Display	✓	✓
Drilling	✓	✓	Line Wear: Megajoules Edit	✓	✓	Well Info	✓	✓
GA Diagnostic	✓	✓	Data Export	✓	✓	UJB	✓	✓
Gas Composition	✓	✓	Alarms	✓	✓	Setup: Diagnostic Menu	✓	✓
Geology	✓	✓	Jump	✓	✓	Equipment	✓	✓
Mud Report	✓	✓	Mail Stats	✓	✓	Loop Diag	✓	✓
Pumps and Tanks	✓	✓	PVT Setup	✓	✓	Loop Diag: Zero Quad	✓	✓
Third Party Gas	✓	✓	Sample: Setup	✓	✓	Comm Diag: Reset	✓	✓
Tripping	✓	✓	Sample: Entry	✓	✓	Workstation/TPC: Comm Diag	✓	✓
UBD	✓	✓	CAODC Tour Sheet	✓	✓	Depth Debug	✓	✓
Custom Views	✓	✓	IADC Tour Sheet	✓	✓	Setup: AutoDriller	No	✓
Historical Trace View	✓	✓	Tour Sheet Create	✓	✓	Setup: Calibrate	No	✓
Controls			Tour Sheet Setup	✓	✓	Setup: Depth Aid	No	✓
Zero WOB	No	✓	Tour Sheet Import Surveys	✓	✓			
Zero Diff Press	✓	✓	Wireline	✓	✓			
Zero Gain/Loss	✓	✓	Choke Control and Display	✓	✓			
Pipe Tally	✓	✓	Calculator	✓	✓			
Tally: View BHA	✓	✓	Directional SurveyEDR	✓	✓			
Tally: Add/Edit	✓	✓	EZ View	✓	✓			

Table 2: EDR functionality in the Rig Display Standard and Rig Display Drilling run modes

Access a Share Directory on a TPC or Gateway

If you have EDR version 3.20.1 or higher, you automatically have a directory named rigshare created on your TPC at startup. Anyone with a network connection, including Rig Display users, can open this folder in order to access any documents shared by other users on your wellsite. The rigshare directory has a total of 2 GB of shared storage space for all users.

1. On the Rig Display, select **Start > Command Prompt** to open the command prompt.
2. Type `\\tpc\rigshare` and press **Enter**.

You now have access to any documents in the rigshare folder.

Note:

This temporary share directory is not backed up, or guaranteed to preserve data when the drive fails, is upgraded, or swapped out.

Using the USB Ports

The Pason keyboard and Pason mouse can be plugged into the USB ports on the bottom of the Rig Display.

Warning:

If the Rig Display is installed in a hazardous (Class I, Zone 2 and Division 2) location, do not connect any USB devices other than the Pason keyboard and Pason mouse into these ports, or into the extra USB ports.
