

# Rig Control System (RCS) Lite for DM Series

Drilling Solutions



# Flexibility for the future

Add flexibility to your DM Series drill rig with Epiroc's Rig Control System (RCS) Lite. Built on the RCS 5 platform that comes standard on the Pit Viper series, RCS Lite offers a number of safety and interlock features. It also provides a convenient foundation to add more functionality and technology options in the future without a major rebuild of the machine.

In addition, RCS Lite allows all Epiroc rotary drills to have the same onboard display and system for consistent operator training and service. It's a modular solution that delivers efficiency now, along with the opportunity to enhance your equipment down the road to achieve your automation goals.

## + Key benefits

### Commonality

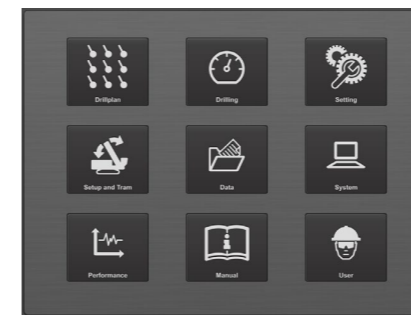
- OEM integrated technology option for non-RCS drills.
- Based on RCS 5 platform with same look and feel.

### Simplicity

- RCS 5 interface for easy troubleshooting and screen management.
- Simple retrofit installation.

### Expandability

- Installation capability on new and operational rigs.
- Simple upgrade to versions.



**Home screen:** all selections are done from the main menu.



**Drilling:** shows information about pressures and flows for various systems during drilling.



**Setup and Propel:** shows machine conditions during setup and while propelling.



**Drill Plan:** shows the interactive drill plan.



**User:** sets the control system language. Logs in users to the control system and shows user information.



**Performance:** shows statistics about the machine and drilling consumables.



## RCS Lite packages

Three different packages are available for your DM Series drill rig. Because RCS Lite is a modular control system, field-and-factory-installed features can be added as your mining requirements grow.

### RCS Lite | Basic

- RCS 5 touchscreen display and GUI with:
  - Real-time depth and pen rate feedback with histogram.
  - Rotation RPM and pressure (torque).
  - Pulldown/holdback.
  - Air pressure, water tank level.
  - On-screen machine inclinometers.
- Autolevel
- Safety features
  - Pipe-inhole interlocks.
  - Stability interlock.
- One I/O module common with RCS 4/5 Pit Viper

### RCS Lite | Connected

- Includes all features of RCS Lite | Basic Plus:**
- CCI module for data storage and transmission to wireless network
    - Rig events, drilling quality, drill status, etc.
  - Surface Manager
  - Remote Desktop Viewer
  - Measure While Drilling
  - Onboard storage
  - Operator ID and management
  - Delay code management and reporting
  - Optional user-level logins for RCS Lite drills

### RCS Lite | NAV

- Includes all features of RCS Lite | Connected Plus:**
- GPS-ready with brackets (Option A) OR high-precision GPS installed (Option B)
  - Moving Map Display software
  - Geofence capability

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