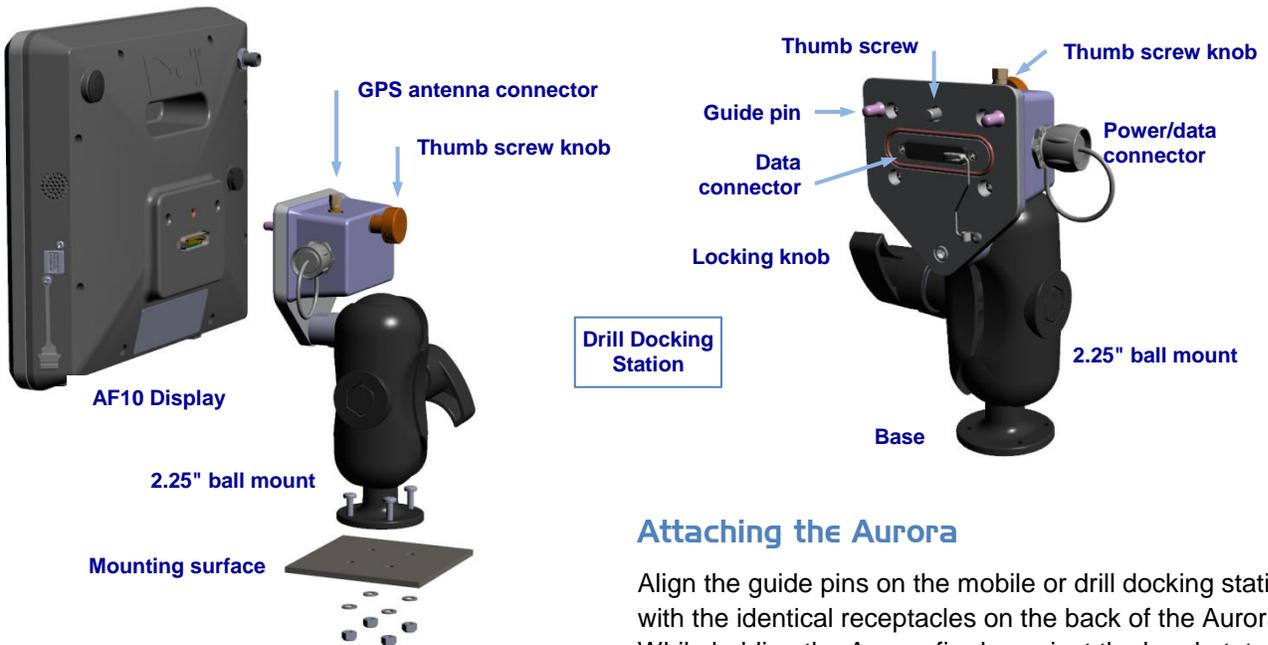


DigiTRAK® AURORA® Display

AF10 Installation Guide



Drill Docking Station Location

The Aurora® AF10 display quick-connect drill docking station is for installation on your drill rig. Once installed, the docking station base can remain on the drill rig at all times. To remove the bracket from the base, loosen the locking knob.

Select a location that puts the Aurora within easy reach yet does not infringe on the operator's normal range of motion. The location must also allow a clear line of sight to the receiver and access for required cabling.

Secure the drill docking station to a flat surface on the drill rig with the fasteners provided in the hardware kit. DCI recommends bolting the docking station only to a strong metallic surface; flexible material such as plastic or fiberglass may appear rigid, but can flex and crack over time, even with reinforcement at the mounting holes.

This docking station is not intended for wall mounting.

Attaching the Aurora

Align the guide pins on the mobile or drill docking station with the identical receptacles on the back of the Aurora. While holding the Aurora firmly against the bracket, turn the thumb screw clockwise until tight to secure the Aurora to the docking station.

Remove the Aurora from the docking station and store it safely during equipment transport; use the included rubber cap to protect the data connector when the Aurora is not connected.

Connections

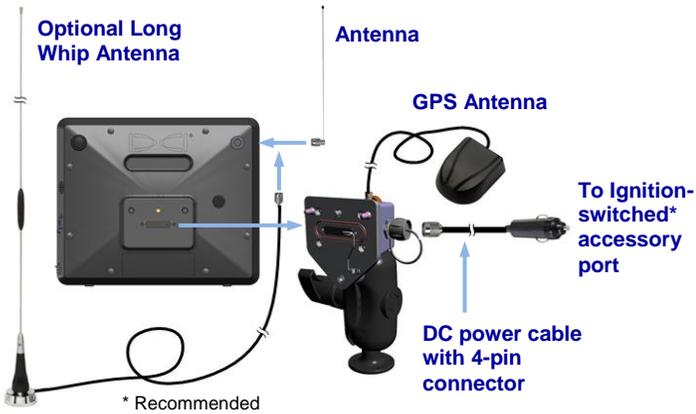
DC Power Cable

The DC power port on the display mount uses a cable with a round 4-pin connector. To connect the cable:

1. Remove the protective cap from the round power/data connector on the mounting bracket by rotating it counterclockwise.
2. The DC cable connector and power port are keyed to ensure proper alignment. Rotate the connector until the slots line up, then push the connector in and rotate clockwise a quarter turn to lock it.

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3. Plug the other end of the DC cable into a 12 VDC accessory port. The Aurora® always draws current when connected to a power source, even when it appears off.



Telemetry Antenna

Connect the supplied antenna to the coaxial connector on the back of the Aurora. If you are using the optional Long Whip Antenna for extended range (or as required by your region), refer to the separate instruction sheet for important installation and safety information.

GPS Antenna

The GPS antenna must be mounted on a horizontal surface with a clear view of the sky.

Plug the GPS antenna cable into the connector on the drill docking station as shown above. Clean the installation surface thoroughly and allow to dry completely before peeling the backing from the double-sided tape on the antenna and pressing it into place. Route and secure the cable safely. The GPS in Aurora sets the system date and time and will be used in future applications.

Multi-Function Cable Box

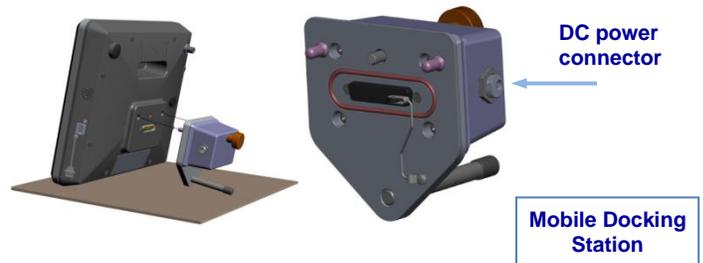
A Multi-Function Cable Box (MFCB) is required when drilling with an SST® steering tool or cable transmitter. For details on connecting the MFCB, refer to the MFCB Operator's Manual, available at www.DigiTrak.com. For more information on using Aurora with these transmitters, please see **Working with the MFCB** in the operator's manual.

Adjusting the Viewing Angle

To adjust the viewing angle, hold the display firmly with one hand, then loosen the locking knob slightly with your other hand, adjust the screen, and retighten firmly. If the locking knob is not tightened firmly, the display may not hold its position during drilling.

Mobile Docking Station

Your Aurora includes a mobile docking station and power supply for using the display while away from the drill rig. The GPS is not used with the mobile docking station.



Warnings

- ! Mount the docking station (a) to a surface that can easily support the weight of the display, (b) where it will not impair the operator's normal range of motion, (c) where it can be readily accessed by the operator, and (d) where it does not in any way interfere with existing systems on the drilling platform.
- ! Do not (a) wire the Aurora directly to non-switched power (battery drain will occur when the drill rig is off), (b) route wires where they will rub or receive unnecessary wear, (c) leave inadequate play in wires that restricts movement of the display, or (d) place strain on wiring connectors.
- ! Do not loosen the docking station locking knob without first supporting the Aurora or it may fall. Always tighten the locking knob before mounting the Aurora.

Questions?

If you have questions about the installation of your Aurora docking station, please contact your local dealer or DCI Customer Service for assistance.