

FleetLink DVR

CMOS Battery Replacement



Technical Bulletin

About This Document

This document is intended for operators of the FleetLink DVR (Trek 674) solution.

It explains how to replace the CMOS battery in the DVR.

IMPORTANT WARNING

THE PROCEDURE DESCRIBED IN THIS BULLETIN IS APPLICABLE ONLY TO EQUIPMENT THAT IS OUT OF WARRANTY. DO NOT ATTEMPT TO OPEN THE ENCLOSURE OF AN UNDER-WARRANTY UNIT OR YOU RISK VOIDING THAT WARRANTY.

FOR UNDER-WARRANTY COMPONENTS, CONTACT FLEETMIND SUPPORT.

Required Tools and Equipment

To perform the steps in this procedure, you will need the following tools and material:


- Phillips head screwdriver
- Slotted head screwdriver
- New BR2032 3-volt lithium battery



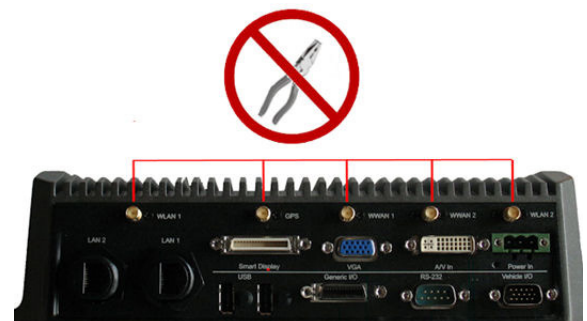
Estimated Time to Complete

This procedure can be completed in less than 20 minutes.

Safety Instructions

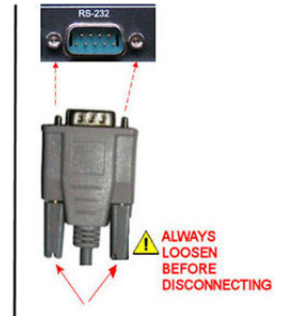
 **IMPORTANT:** Failure to follow the instructions in this document may result in personal injury and cause equipment damage.

1. Read these safety instructions carefully.
2. All cautions and warnings on the equipment should be noted.
3. Electrical power to the equipment must be disconnected before attempting to disconnect or connect cabling to the components.
4. **DO NOT OVER-TIGHTEN:** Never tighten GPS, cellular, or WLAN antenna connectors using tools. Finger-tighten only, using minimal hand strength.



5. NEVER DISCONNECT/RECONNECT THE ANTENNAE ON THE REAR PANEL WITHOUT FIRST DISCONNECTING POWER TO THE DVR.

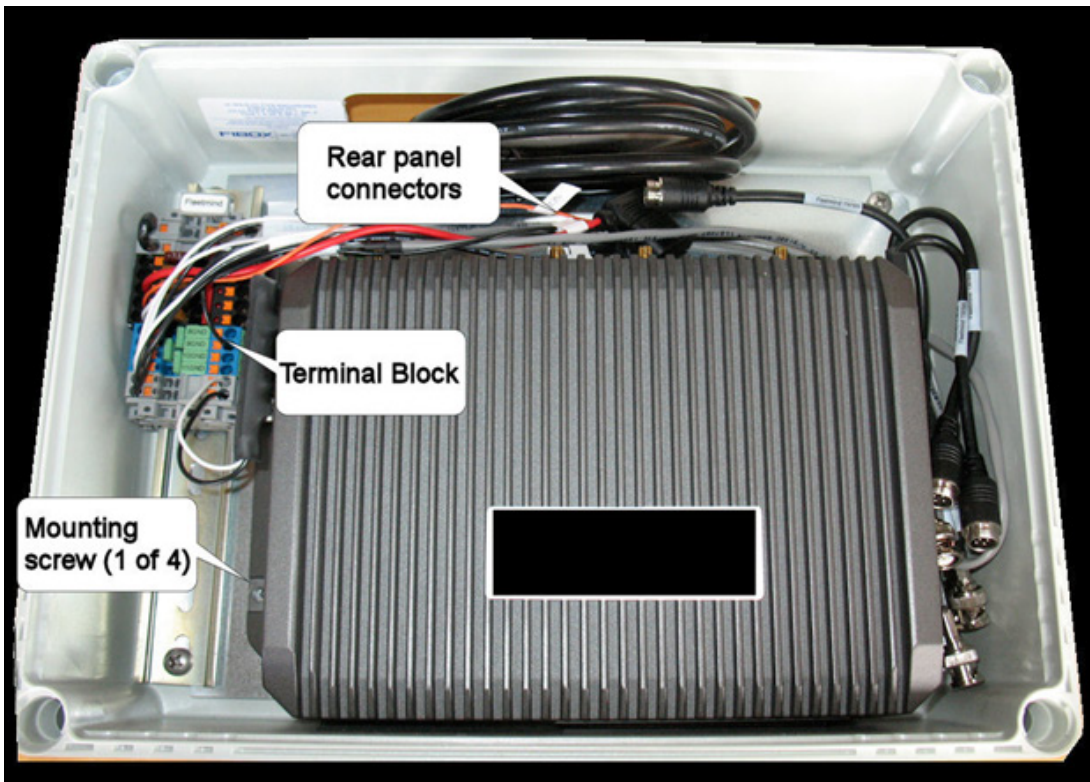
6. Numerous connectors on the the rear panel of the DVR secure to the header using metal jack screw standoffs and holding posts.
NEVER FORCE OR TUG ON A CABLE TO REMOVE. ALWAYS LOOSEN THE CONNECTOR SCREWS FULLY—USE A SLOT HEAD SCREWDRIVER IF NECESSARY.



Procedure

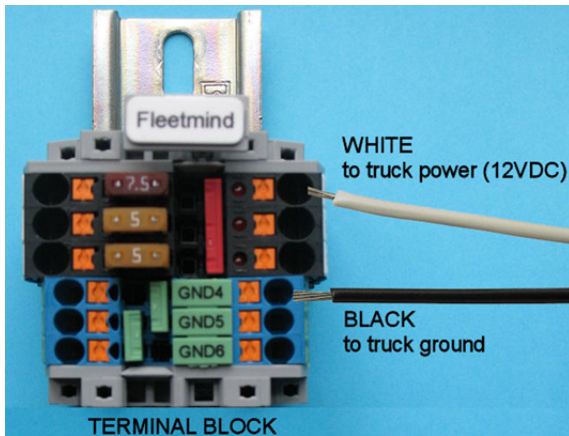
Removing DVR from Enclosure

Refer to the following image to assist you in locating components.

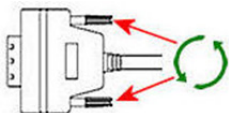


As cabling is routed through apertures in the Fibox enclosure, you must disconnect all cables before removing the DVR.

1. Disconnect 12V truck power from the terminal block.



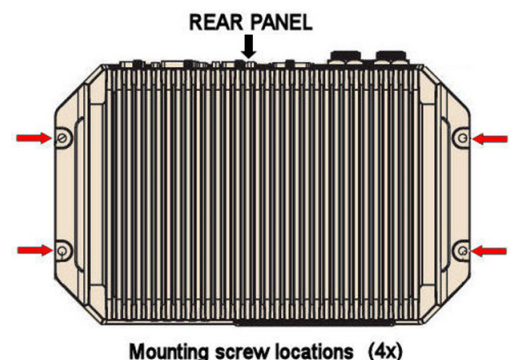
2. Using a small slotted screwdriver, disconnect the power cable from the euro-block connector by turning the screws counter-clockwise until the plug can be removed. NEVER TUG ON THE CABLE TO REMOVE IT. DOING SO CAN CAUSE EQUIPMENT DAMAGE.
3. Disconnect all connected antennae (WLAN1, GPS, WWAN1, WWAN2, WLAN2) by grasping their SMA connectors firmly and turning counter-clockwise.
4. Remove any RJ45 connectors from the LAN1 and LAN2 ports (if connected).
5. Disconnect any connected devices from the two USB ports
6. All remaining connectors have jack-screw standoffs and holding posts, as earlier described.



7. Loosen the connector screws and remove:

- Smart Display
- VGA
- A/V In
- Generic I/O
- RS-232
- Vehicle I/O

8. Locate the 4 mounting screws that fasten the DVR to the Fibox enclosure, and remove them using a Phillips head screwdriver.
9. Gently lift the DVR out of the enclosure and place it on a stable flat surface.



Removing the SSD

1. Locate the key for the DVR.
2. With electrical power disconnected from the unit, open the front panel tray by pushing the key in gently and turning 45 degrees counterclockwise.



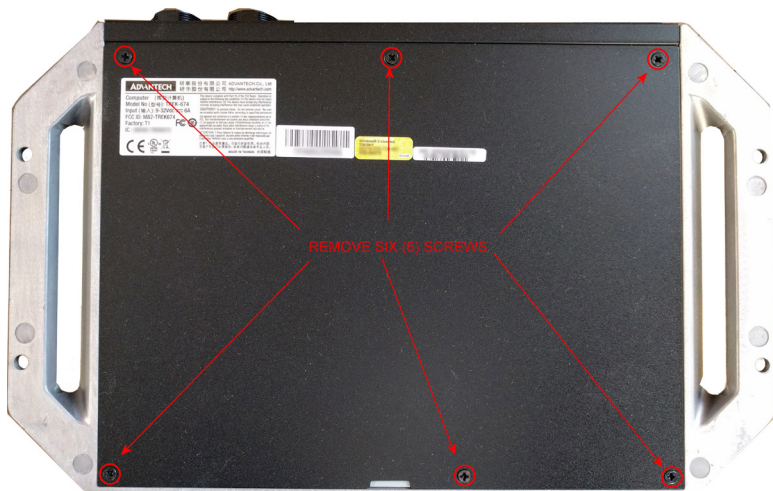
3. The SSD is housed in a hard-drive tray that slides in and out of the SSD slot in the DVR. To remove the SSD, grasp the red tab (located on the right-hand side of the tray) and pull the tray outward.



To reinstall (or replace) the SSD, insert the drive into the tray—ensuring correct orientation—and push the tray into the slot until it is firmly seated

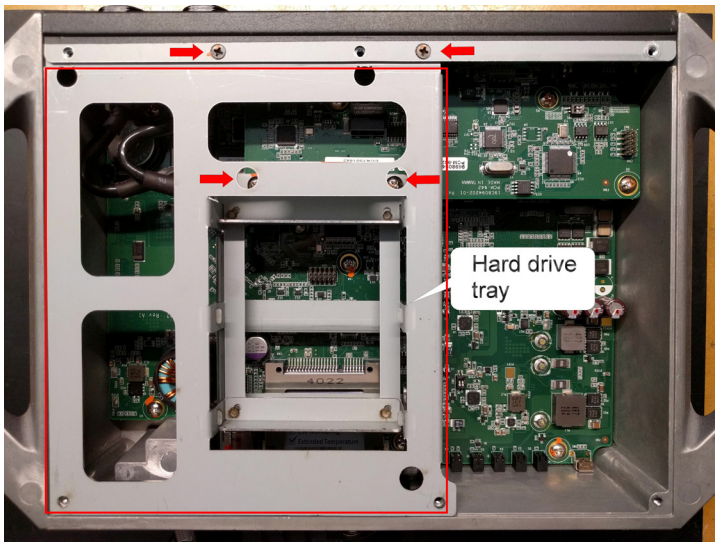
Opening the Case

1. Turn the DVR over (orientation as shown) to access the bottom panel.



2. Using a Phillips head screwdriver, remove the six (6) screws that secure the panel to the case.

3. The hard drive tray is secured to the case using four (4) screws. Using a Phillips head screwdriver, remove these screws and lift the tray out of the case.



4. Pull tab (as shown in figure) to release the old battery from its slot.



5. Replace the battery, reassemble the unit, return it to its Fibox enclosure, and make all connections.