Installation & Procedure Manual

DR101 NFC Reader Installation

Revision History

Author	Date (MM-DD-YYYY)	New Rev. #	Description of Changes (include sections affected)
Chris Consalvo	06/19/2020	1.00	Initial Release. Affected sections: All

Table of Contents

Section 1 – Required Tools & Safety Precautions:
1.1 – Required Tools & Parts List

Required Tools:

- Zip Ties
- Electrical Tape
- Philips Screwdriver
- Pliers
- Cordless Drill

Parts List:

- Already installed DVXC4
- DV457 – PDC AUX Harness

1.2 - Safety Precautions:
When drilling or cutting make certain that you do <u>NOT</u> damage anything behind the panel you are drilling and/or cutting into. Take adequate precautions such as removing the piece or protecting any underlying structures, cables, hoses, engine air intake etc. by using a backing plate, blanket or a drill stop to prevent excessive drill penetration. After any cutting or drilling operation, thoroughly remove all sharp edges and burrs on both sides. Remove any debris caused by cutting or drilling.
<u>Note</u>: Any Drilling or Cutting requires Safety Glasses

Section 2 - Installation Layout:

The image below shows all components of a DVXC4installation with the DR101 NFC reader

Section 3: DR101 Installation
3.1 – installation Preparation:

- Using the supplied alcohol prep pad, clean the mounting surface on the top of the dash (A)
- Allow time for the alcohol to dry (B)
- Mount the DR101 NFC reader on the dash and apply pressure for 30 seconds to ensure a secure bond to the vehicle (C)

3.2 – STSC101A Mounting Location:

- The NFC reader is located on the drivers side of the dash, in front of the wire (A)
- Mount the NFC reader with the cable facing the vehicle A pillar (B)

Section 4: Harness Routing & Connections:
4.1 – Harness Routing:

- Route the cable behind the vehicle A pillar and down to the lower dash
- Secure the cable with zip ties to an existing vehicle harness.
- The NFC reader harness should have zip ties every 6-8 inches

Make sure to keep clear of hot or moving parts! Do not route this cable in a location that will cause a driver distraction
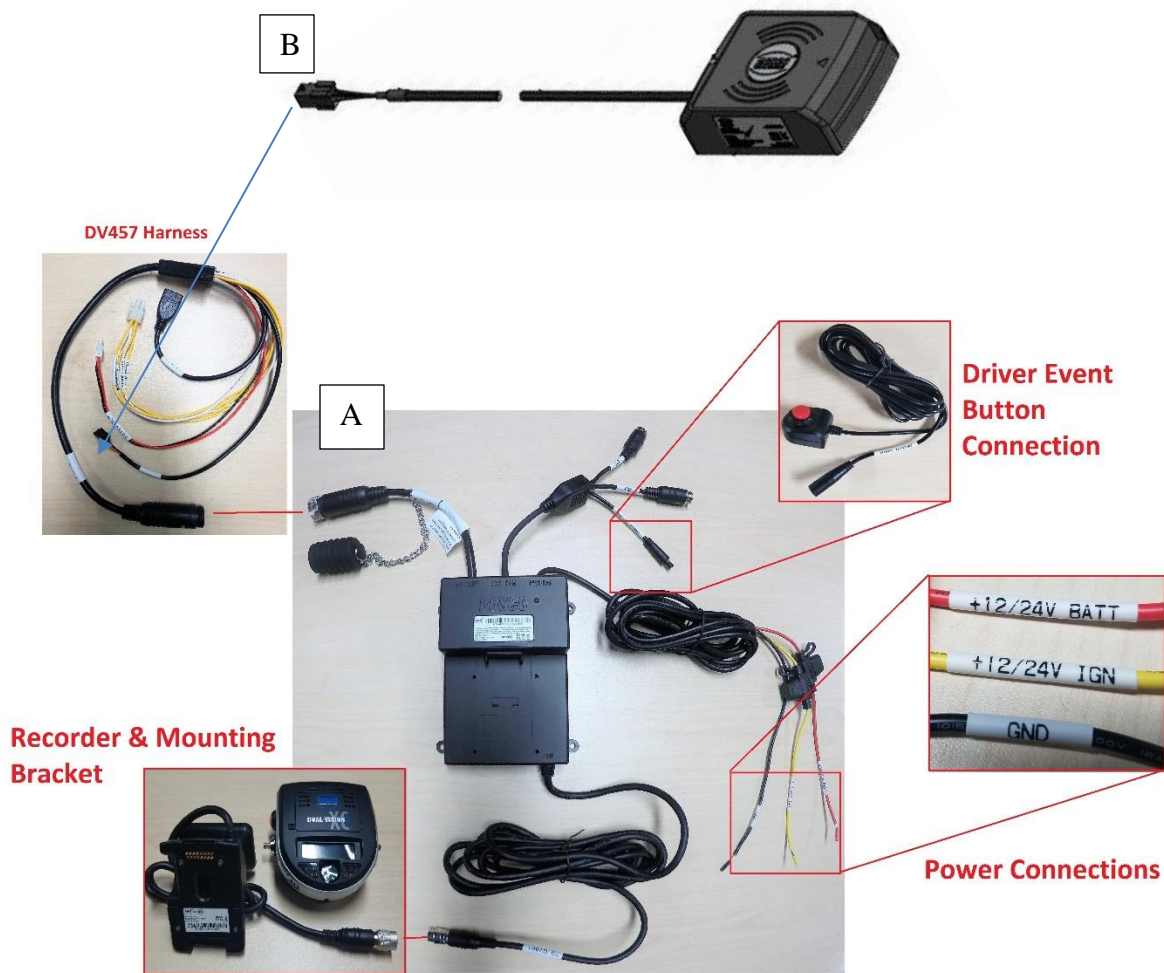
4.2 – Cable connection:

- Connect the DV457 harness to the already installed DVXC4 (A)
- Plug the NFC Reader into the RS-232 plug on the DVXC4 (B)

DV457 Harness

Driver Event Button Connection

Recorder & Mounting Bracket

Power Connections

Section 5 – Configuration Settings:
Section 5.1 – Creating Events on RoscoLive with the NFC Card Reader

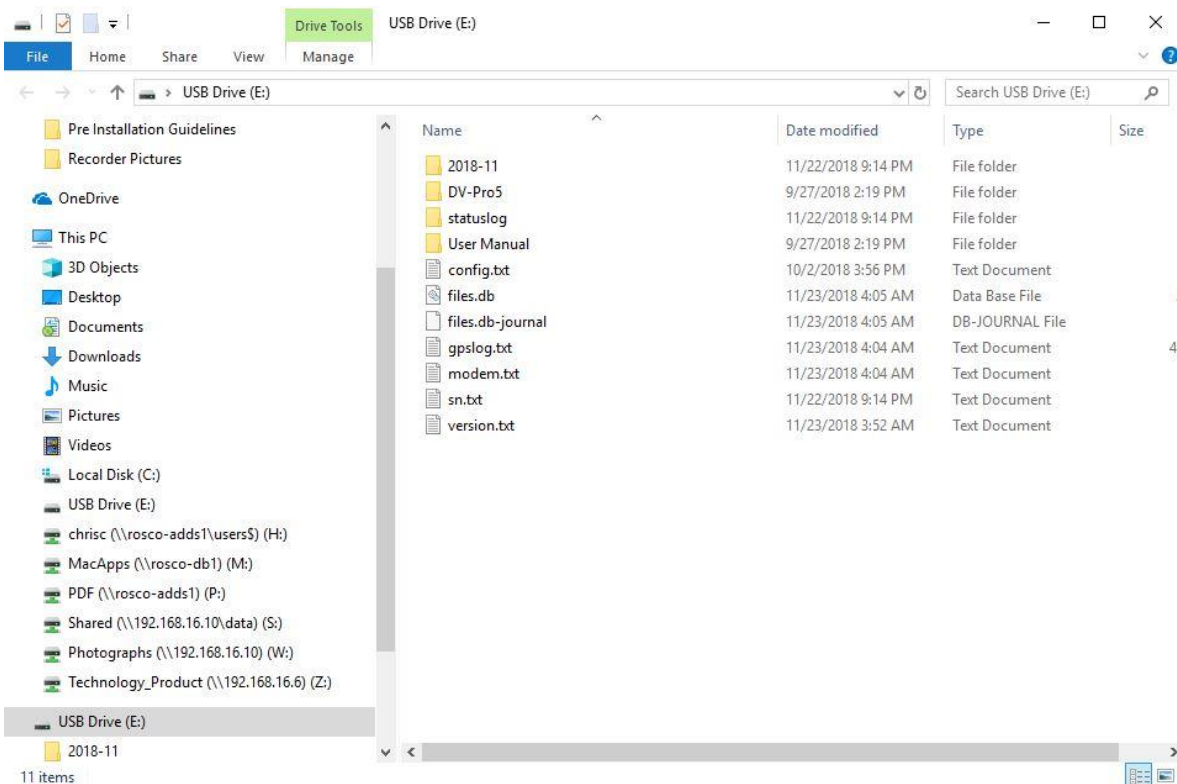- The DVXC4 will have to be integrated to the NFC reader in order to generate events

  Safely power down the Recorder by turning off the vehicle & holding the orange Driver Event button on the left side of the Recorder.
  Continue to hold until you see "SHUT" displayed on the Recorder LCD screen
  Do not remove the Recorder from the bracket until the buzzer stops
  For full shut down instructions please review the "Safely Powering Down the Recorder" document

- Once the Recorder is safely powered down, unlock the Recorder and remove it from the bracket.
- Remove the SD Card from the back of the Recorder by pushing down on the card until a click is heard
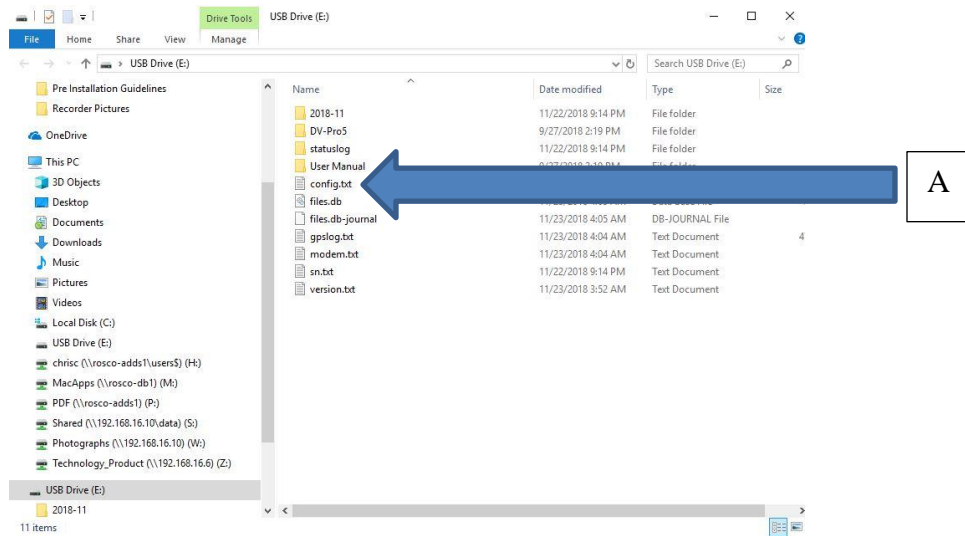- Insert the SD card in your computer and open the SD card drive

Section 5.1 – Creating Events on RoscoLive with the NFC Card Reader

- Open the config file found in the Sd card (A)
- Locate the "peripherals.CardReader.Enable" string and change "Falso" to "True" (B)

VERY IMPORTANT!
Safely eject the SD Card from your computer and put it back in the recorder

A

C
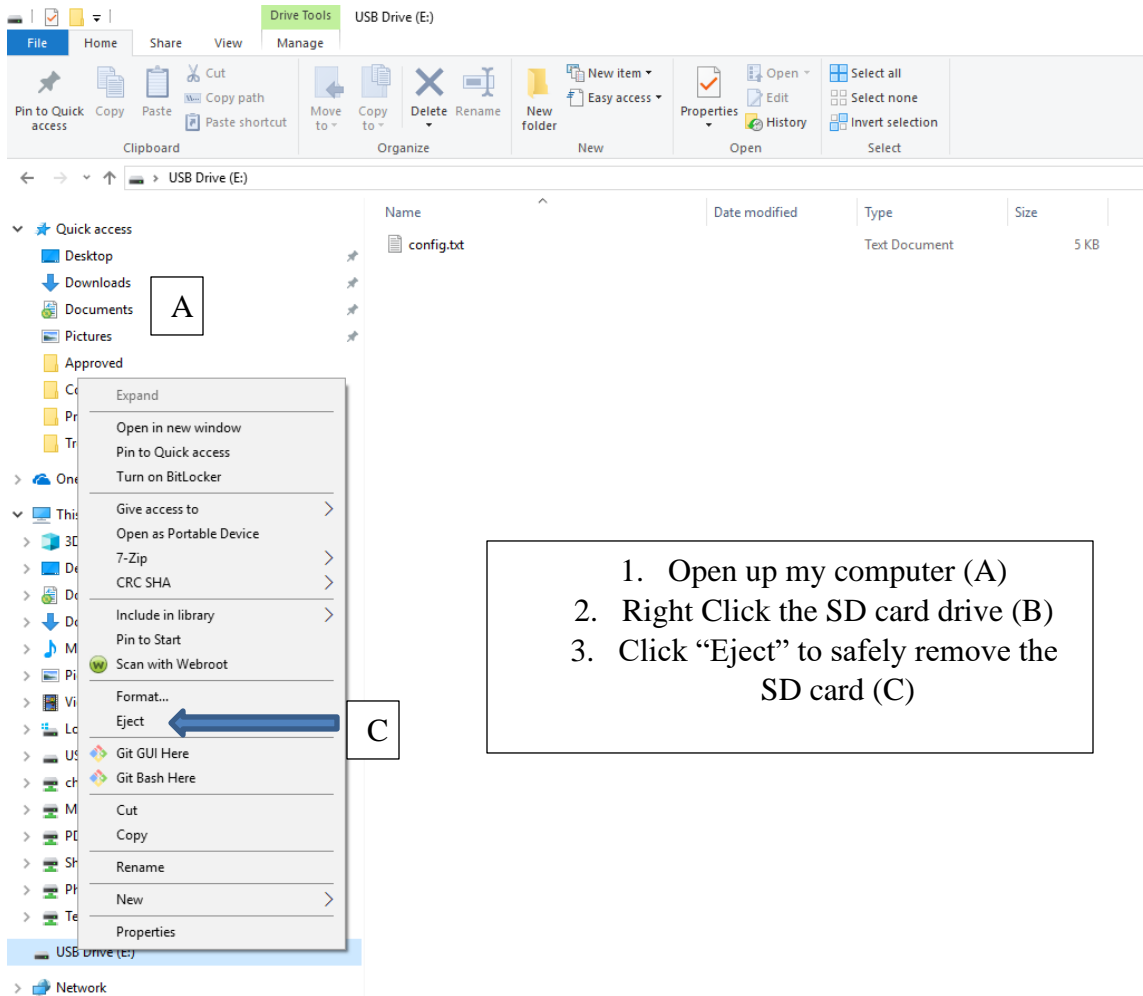
1. Open up my computer (A)
2. Right Click the SD card drive (B)
3. Click "Eject" to safely remove the SD card (C)

B

After the SD card has been safely ejected:
Place the SD card back into the recorder
Push down until you hear a "CLICK"
Then power up the unit