USER MANUAL

VIA Mobile360 D700

Powerful and feature-rich AI dash cam for commercial-grade fleet management applications

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Regulatory Compliance

FCC-A Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his personal expense.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and A.C. power cord, if any, must be used in order to comply with the emission limits.

Notice 3

The product described in this document is designed for general use, VIA Technologies assumes no responsibility for the conflicts or damages arising from incompatibility of the product. Check compatibility issue with your local sales representatives before placing an order.

Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE

Safety Precautions

- Always read the safety instructions carefully.
- Keep this User's Manual for future reference.
- All cautions and warnings on the equipment should be noted.
- Keep this equipment away from humidity.
- Put this equipment on a reliable flat surface before setting it up.
- Do not place the power cord where people will step on it.
- Always unplug the power cord before inserting any add-on card or module.
- If any of the following situations arise, get the equipment checked by authorized service personnel:
  - The power cord or plug is damaged.
  - Liquid has entered into the equipment.
  - The equipment has been exposed to moisture.
  - The equipment is faulty or you cannot get it work according to User's Manual.
  - The equipment has been dropped and damaged.
  - The equipment has an obvious sign of breakage.
- Do not leave this equipment in extreme temperatures or in a storage temperature above 70°C (158°F). The equipment may be damaged.
- Do not leave this equipment in direct sunlight.
- Never pour any liquid into the opening. Liquid can cause damage or electrical shock.
- Do not place anything over the power cord.
- Do not cover the ventilation holes. The openings on the enclosure protect the equipment from overheating.

Box Contents

- 1 x Mobile360 D700 AI Dash Cam
- 1 x 32GB MicroSD card
- 1 x 12V DC power adaptor
- 1 x 12-pin power connector to DC jack combo cable
- 1 x OBD II power cable
- 4 x Blade fuse holder cables and fuses (Standard, Micro, Low-Profile and Mini)
- 1 x Suction cup mounting bracket
- 1 x Adhesive tape mounting bracket
- 1 x Allen wrench L-type

Ordering Information

Part Number	Description
M360-D700-5D08A0 (For APAC region only)	Dual 1080p AI dash cam with 800MHz ARM Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, Dual 1080p cameras, 4 IR LED lights, Micro USB 2.0 port, Mic, speaker, 4G, Wi-Fi, BT 4.2, GPS, Micro SIM card slot, MicroSD card slot, 12-pin power connector for 6 GPIO, CAN bus & power
M360-D700-7D08A0 (For CN region only)	Dual 1080p AI dash cam with 800MHz ARM Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, Dual 1080p cameras, 4 IR LED lights, Micro USB 2.0 port, Mic, speaker, 4G, Wi-Fi, BT 4.2, GPS, Micro SIM card slot, MicroSD card slot, 12-pin power connector for 6 GPIO, CAN bus & power
M360-D700-6D08A0 (For EU region only)	Dual 1080p AI dash cam with 800MHz ARM Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, Dual 1080p cameras, 4 IR LED lights, Micro USB 2.0 port, Mic, speaker, 4G, Wi-Fi, BT 4.2, GPS, Micro SIM card slot, MicroSD card slot, 12-pin power connector for 6 GPIO, CAN bus & power
M360-D700-3D08A0 (For JP region only)	Dual 1080p AI dash cam with 800MHz ARM Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, Dual 1080p cameras, 4 IR LED lights, Micro USB 2.0 port, Mic, speaker, 4G, Wi-Fi, BT 4.2, GPS, Micro SIM card slot, MicroSD card slot, 12-pin power connector for 6 GPIO, CAN bus & power
M360-D700-4D08B1 (For US AT&T / UScellular / Verizon)	Dual 1080p AI dash cam with 800MHz ARM Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, Dual 1080p cameras, 4 IR LED lights, Micro USB 2.0 port, Mic, speaker, 4G, Wi-Fi, BT 4.2, GPS, Micro SIM card slot, MicroSD card slot, 12-pin power connector for 6 GPIO, CAN bus & power
M360-D700-DD08A1 (For US T-Mobile)	Dual 1080p AI dash cam with 800MHz ARM Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, Dual 1080p cameras, 4 IR LED lights, Micro USB 2.0 port, Mic, speaker, 4G, Wi-Fi, BT 4.2, GPS, Micro SIM card slot, MicroSD card slot, 12-pin power connector for 6 GPIO, CAN bus & power

Sensor Options

Part Number	Description
M360-SBS-1S0030	Wireless vehicle seatbelt sensor

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1. Product Overview

Boost fleet management efficiency and enhance driver safety with the VIA Mobile360 D700 commercial-grade AI Dash Cam. Combining dual 1080p front dash and interior cameras with integrated 4G LTE wireless connectivity and CAN bus support, this robust and stylish device provides a flexible and high-performance solution that can be customized to meet your specific deployment requirements.

With its CAN bus support, the device enables the collection of rich vehicle usage data such as speed, distance, idle time, and fuel consumption that can be analyzed to identify opportunities for optimizing fleet efficiency and safety. Its 9~36V DC-in power supply allows in-vehicle power delivery through the provided OBD II cable and ACC signal with a hard-wire installation via the vehicle's fuse box.

Other features included in this lightweight small footprint device include Cortex-A53 dual-core SoC, 512MB DDR3L DRAM, 256MB SPI Flash Memory, a 3-Axis G-sensor, one Micro SIM card slot, one MicroSD card slot, and one Micro USB 2.0 port.

1.1 Key Features

1.1.1 Dual 1080p Front Dash and Interior Cameras

The VIA Mobile360 D700 comes with dual 1080p front dash and interior (rear) cameras that capture and process vibrant HD video footage of the driver and the prevailing road conditions.

1.1.2 Networking Support

The VIA Mobile360 D700 is equipped with 4G, Wi-Fi and GPS to enable real-time route tracking and monitoring via a cloud portal. Customizable event triggers can be set to inform your fleet management control center of critical incidents so that you can rapidly respond when one occurs.

1.1.3 Cloud Integration

The VIA Mobile360 D700 comes with a feature-rich SDK that supports Amazon AWS IoT and KVS as well as Microsoft Azure cloud integration to facilitate the development of fleet management applications and services.

1.1.4 Storage Expansion

The VIA Mobile360 D700 comes with a removable MicroSD card storage of up to 512GB.

1.1.5 Reference App

The VIA Mobile360 D700 comes with a complete Smartphone Reference App for both Android and iOS operating systems.

1.2 Product Specifications

Processor

- 800MHz ARM Cortex-A53 dual-core SoC

System Memory

- 512MB DDR3L DRAM

Storage

- 256MB SPI Flash Memory
- MicroSD Card slot

Wireless Connectivity

- 4G LTE module with antenna
- Wi-Fi 802.11b/g/n/ac + BT 4.2
- GPS receiver

Camera and Video

- Sony iMX307 CMOS Sensor: 1080p, supports HDR
- 2 x 1920x1080p @ 29fps
- FOV: D=116°, H=100°, V=56°
- Adjust max angle: horizontal left=10°, right =10°, vertical down=30°
- H.264 encode and decode

Sensors

- 4 x IR LEDs controlled by Light sensor
- 3-Axis G-sensor

Front Panel I/O

- 1 x Front camera
- 1 x Light sensor

Rear Panel I/O

- 1 x Rear camera
- 4 x IR LED lights
- 3 x LEDs for power, Wi-Fi and recording status
- 1 x Short record / Two-way call button

Left Panel I/O

- 1 x Speaker

Right Panel I/O

- 1 x Micro USB 2.0 port (for debugging)
- 1 x MicroSD Card slot (512GB max)
- 1 x Micro SIM Card slot
- 1 x 12-pin power connector for 6 GPIO (5 GPI, 1 GPO), CAN bus, ACC and power supply 9~36V DC-in

Bottom Panel I/O

- 1 x Mic

Software

- Device SDK including Android/iOS smartphone reference apps

Cloud Certification

- AWS IoT Core Qualified and Kinesis Video Streams Qualified
- Microsoft IoT Plug and Play Certified

Operating System

- Linux Kernel 4.1.0

Operating Temperature

- -20°C~70°C

Mechanical Construction

- PC chassis housing

Dimensions

- 124.52mm(W) x 41.25mm(H) x 95.60mm(D) (4.90" x 1.62" x 3.76")

Weight

- 0.322kg (0.71lbs)

Compliance

- CE, FCC, BSMI, TELEC, NCC, CTA

Note:
As the operating temperature provided in the specifications is a result of testing performed in a testing chamber, a number of variables can influence this result. Please note that the working temperature may vary depending on the actual situation and environment. It is highly recommended to execute a solid testing program and take all variables into consideration when building the system. Please ensure that the system is stable at the required operating temperature in terms of application.

1.3 Layout Diagram

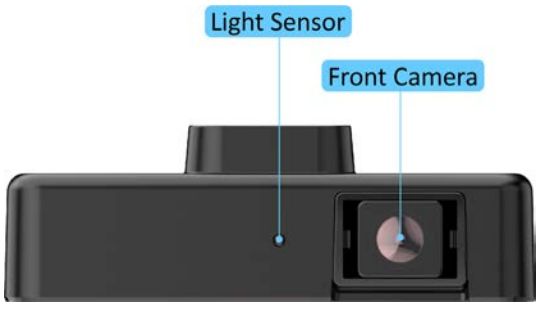

Figure 01: Front panel I/O layout

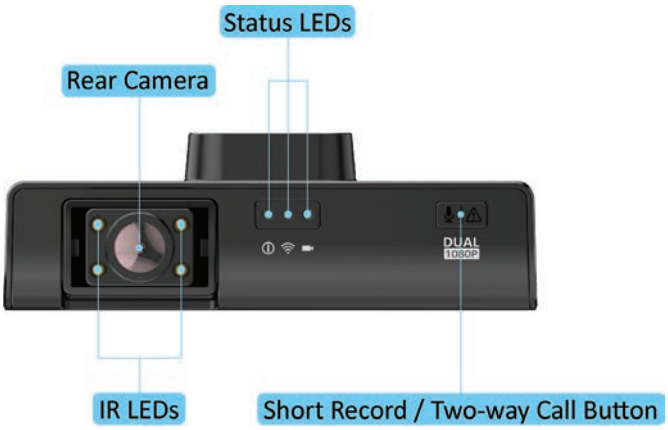

Figure 02: Rear panel I/O layout

Figure 03: Left panel I/O layout

Figure 04: Right panel I/O layout

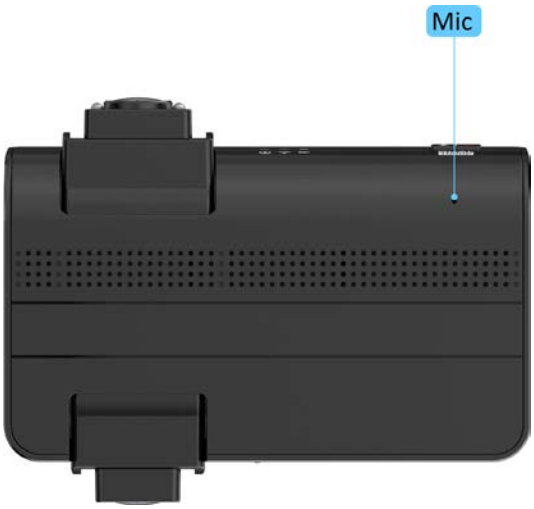

Figure 05: Bottom panel I/O layout

1.4 Product Dimensions

Figure 06: Dimensions of the VIA Mobile360 D700 (front view)

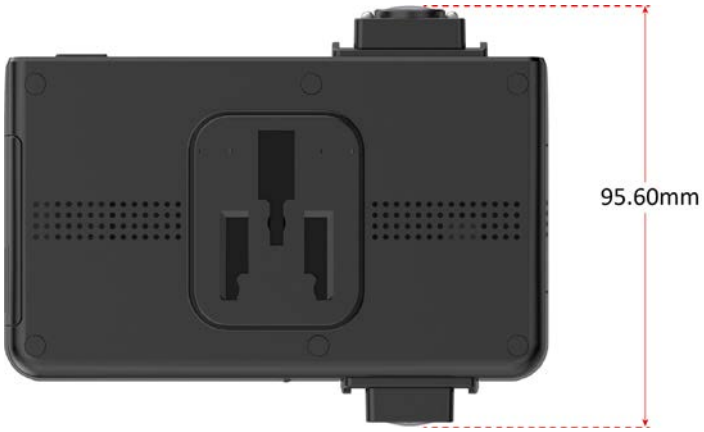

Figure 07: Dimensions of the VIA Mobile360 D700 (top view)

2. External I/O Pin Descriptions and Functionality

The VIA Mobile360 D700 AI Dash Cam features several interfaces including a Micro USB 2.0 port (debugging), MicroSD card slot, Micro SIM card slot and 12-pin power connector.

2.1 Micro USB 2.0 Port

The VIA Mobile360 D700 is equipped with one Micro USB 2.0 port located on the right panel for debugging. The pinouts of the Micro USB 2.0 port are shown below.

Pin	Signal
1	VBUS
2	D-
3	D+
4	ID
5	GND

Table 01: Micro USB 2.0 port pinouts

Figure 08: Micro USB 2.0 port diagram

2.2 MicroSD Card Slot

The VIA Mobile360 D700 comes with a MicroSD card slot located on the right panel with support for a maximum storage capacity of 512GB. The pinouts of the MicroSD card slot are shown below.

Pin	Signal
1	DAT2
2	CD/DAT3
3	CMD
4	VDD
5	CLK
6	VSS
7	DAT0
8	DAT1

Table 02: MicroSD card slot pinouts

Figure 09: MicroSD card slot diagram

2.3 Micro SIM Card Slot

The VIA Mobile360 D700 comes with a Micro SIM card slot located on the right panel that can support a 4G SIM card. The pinouts of the Micro SIM card slot are shown below.

Pin	Signal
C1	VDD
C2	RST
C3	CLK
C5	VSS
C6	NC
C7	DATA

Table 03: Micro SIM card slot pinouts

Figure 10: Micro SIM card slot diagram

2.4 12-Pin Power Connector

The VIA Mobile360 D700 comes with a 12-pin power connector. The 12-pin power connector is used for supplying power to the VIA Mobile360 D700. The pinouts of the 12-pin power connector are shown below.

Pin	Signal
1	GPI
2	VCC
3	GPI
4	VCC
5	GPI
6	ACC
7	GPI
8	GND
9	GPI
10	CAN_H
11	GPO
12	CAN_L

Table 04: 12-pin power connector pinouts

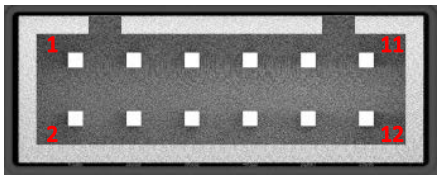

Figure 11: 12-pin power connector diagram

2.5 LED Status

The VIA Mobile360 D700 comes with three LED indicators located on the rear panel to show the status. The three LED indicators states are shown in the diagram below.

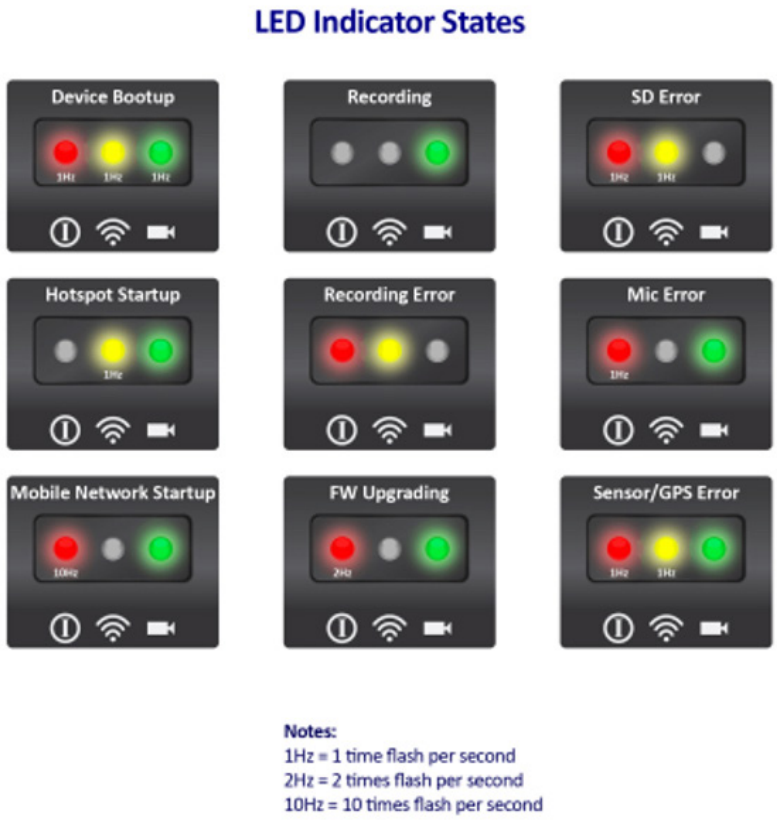

Figure 12: LED indicators states diagram

2.6 Short Record / Two-way Call Button

The VIA Mobile360 D700 comes with a short record / two-way call button located on the rear panel which will record a 20 second video from both cameras (10 seconds before and 20 seconds after) as well as snapshots from each camera at the time the button is pushed with a short press. It will also create an alert message when pressed for more than 3 seconds. The diagram of the short record / two-way call button is shown below.

Figure 13: Short record / two-way call button diagram

2.7 Speaker

The VIA Mobile360 D700 comes with a speaker located on the left panel.

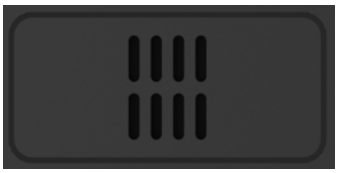

Figure 14: Speaker diagram

2.8 Microphone

The VIA Mobile360 D700 comes with a microphone located on the bottom panel. The diagram of the microphone is shown below.

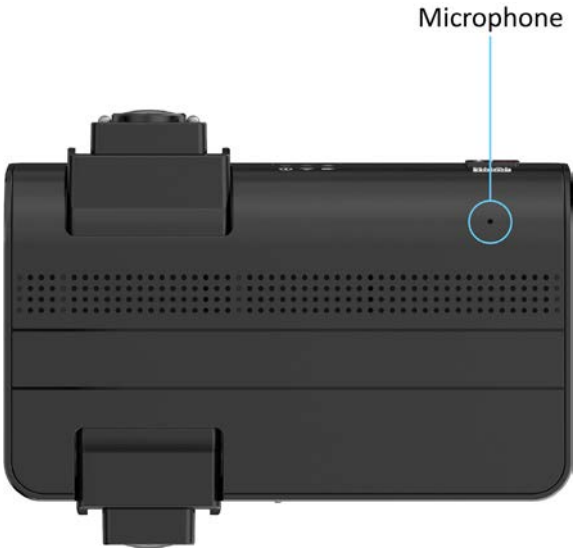

Figure 15: Microphone diagram

3. Accessories

The following cables and mounting brackets are included with your VIA Mobile360 D700 AI dash cam.

3.1 OBD II Power Cable

Figure 16: OBD II power cable diagram

3.2 Blade Fuse Holder Cables and Fuses

Figure 17: Blade fuse holder cables and fuses diagram12-Pin Power Connector to DC Jack Combo Cable

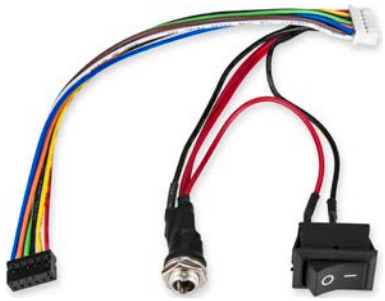

Figure 18: 12-pin power cable connector to DC jack combo cable diagram

3.3 12V DC Power Adaptor and Power Cord

Figure 19: 12V DC power adaptor

3.4 Suction Cup and Adhesive Tape Mounting Brackets

Suction Cup
Mounting Bracket

Adhesive Tape
Mounting Bracket

Figure 20: Suction cup and adhesive tape mounting brackets diagram

4. VIA Mobile360 D700 Installation

This chapter provides information about the VIA Mobile360 D700 installation procedures.

4.1 Removing the Right Panel I/O Cover

Step 1

Loosen the screw of the right panel I/O cover with the included Allen wrench.

Figure 21: Loosen the screw of the right panel I/O cover

Step 2

Remove the right panel I/O cover.

Figure 22: Removing the right panel I/O cover

4.2 Installing the MicroSD Card

The VIA Mobile360 D700 AI dash cam supports automatic video recording to a MicroSD card after startup which can be played back in the VIA Mobile360 App. To use this feature, you need to insert a MicroSD card into the MicroSD card slot on the VIA Mobile360 D700.

Step 1

Locate the MicroSD card slot.

Figure 23: Locating the MicroSD card slot

Step 2

Insert a Micro SIM card into the Micro SIM card slot. Use your fingernail to press the card into the slot. When it is fully inserted, the card will snap into the slot.

Note:
The MicroSD card must be formatted in a FAT32 file system format. The Micro SIM card does not support hot plugging. Maximum storage capacity is 512GB.

4.3 Installing the 4G Micro SIM Card

The VIA Mobile360 D700 AI dash cam can download maps through a 4G network which can be displayed in the VIA Mobile360 App. To use this feature you need to insert a 4G Micro SIM card into the Micro SIM card slot on VIA Mobile360 D700.

Step 1

Locate the Micro SIM card slot.

Figure 24: Locating the Micro SIM card slot

Step 2

Insert a 4G Micro SIM card into the Micro SIM card slot. Use your fingernail to press the card into the slot. When it is fully inserted, the card will snap into the slot.

Notes:
1. The VIA Fleet AWS Cloud service supports the VIA Mobile360 D700 AI dash cam and the VIA Mobile360 family of products.
2. If you do not have an active 4G Micro SIM card installed in your device, you won't be able to connect to the VIA Fleet AWS Cloud service.

4.4 Installing the Power/ACC Cable

There are two options included in the standard package for connecting power to the VIA Mobile360 D700 AI Dash Cam. The OBD II power cable is for in-vehicle use and the 12-Pin power connector to DC Jack combo cable is for development purposes.

4.4.1 Installing the OBD II Power Cable

The OBD II power cable is used to provide power, standard CAN bus data and the vehicle's ACC signal to the VIA Mobile360 D700 AI Dash Cam. The diagram below shows the connections required.

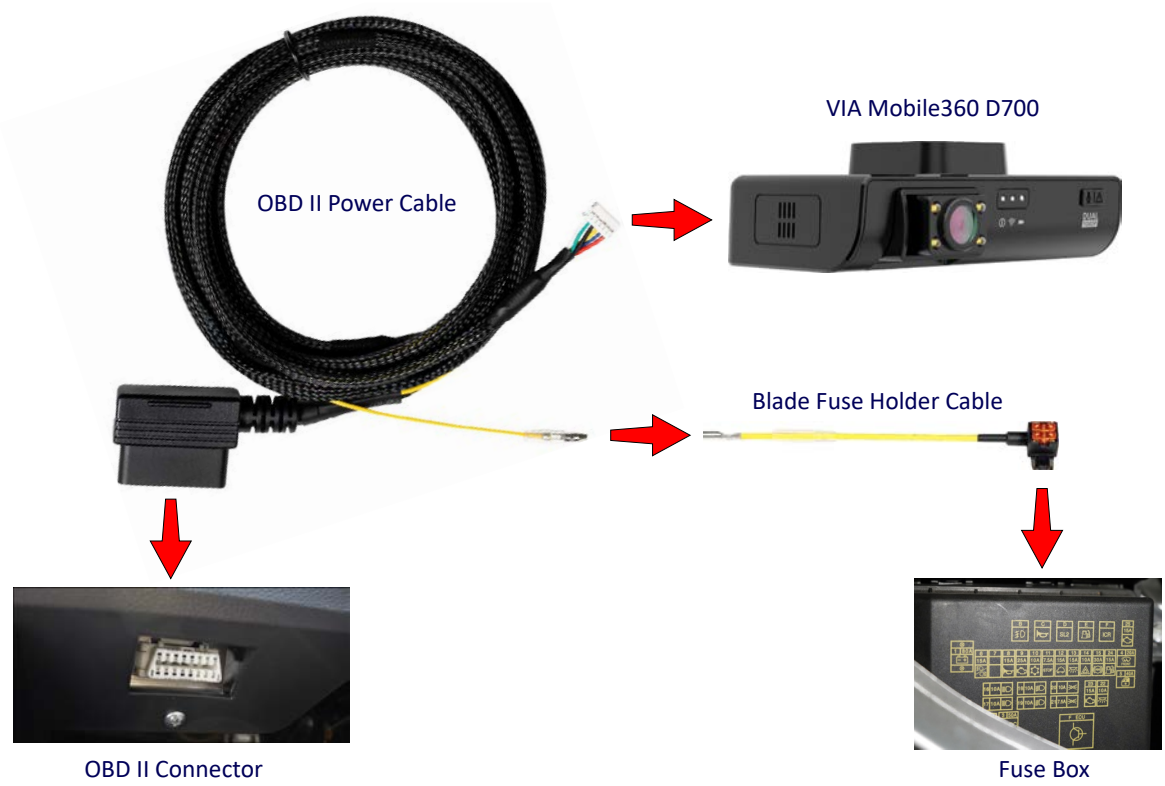

Figure 25: OBD II power cable connections

Follow the steps below to install the OBD II power cable:

Step 1

Refer to the Vehicle Owner's manual to find the location of the fuse box within the vehicle.

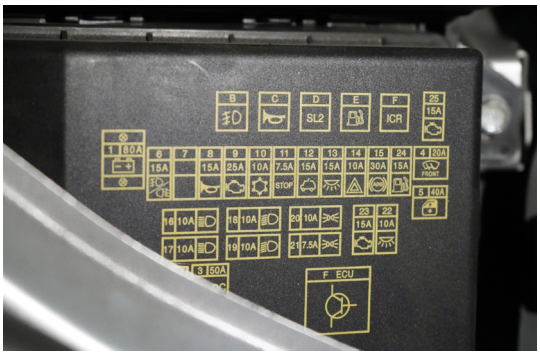

Figure 26: Vehicle's fuse box

Step 2

Refer to the Vehicle Owner's manual to determine the location of the ACC fuse within the fuse box, then remove the ACC fuse.

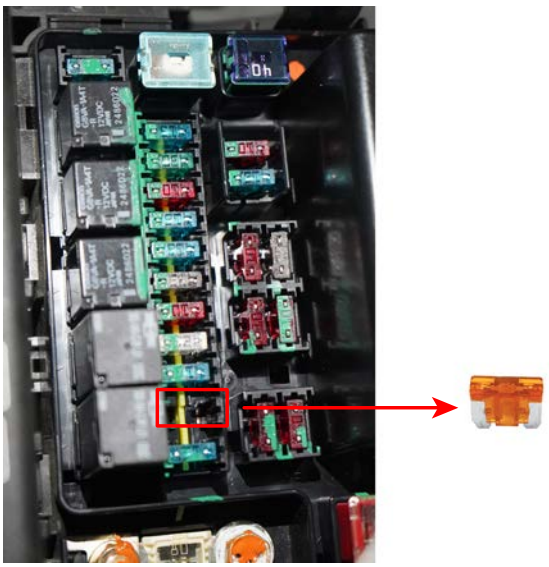

Figure 27: Extracting the ACC fuse from the fuse box

Step 3

Select the appropriate blade fuse holder cable as per the vehicle's specification. Insert the ACC fuse that was removed from the fuse box into the empty slot in the blade fuse holder cable.

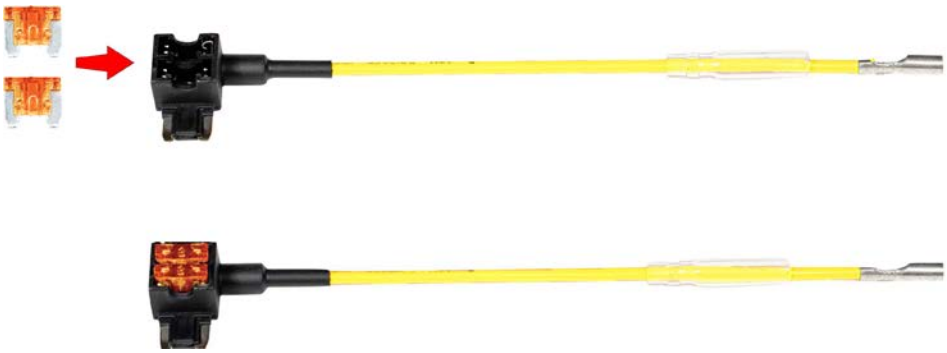

Figure 28: Installing the ACC fuses on the blade fuse holder cable

Step 4

Plug in the blade fuse holder cable into the ACC fuse slot in the vehicle's fuse box.

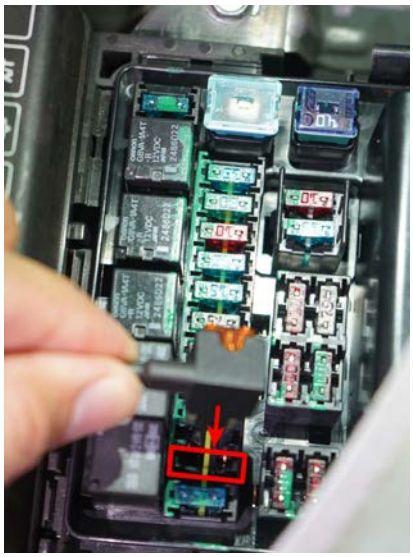

Figure 29: Connecting the Blade Fuse Holder cable to the fuse box

Step 5

Next, remove the right panel I/O cover on the VIA Mobile360 D700. For details, refer to section 4.1.

Step 6

Feed the 12-pin connector of the OBD II power cable through the hole on the right panel I/O cover.

Figure 30: Feeding the 12-pin connector cable through the hole in the I/O cover

Step 7

Plug in the 12-pin connector to the power connector on the VIA Mobile360 D700. The cable should be inserted with the two ridges facing up and the red power wire on the left-side as shown below:

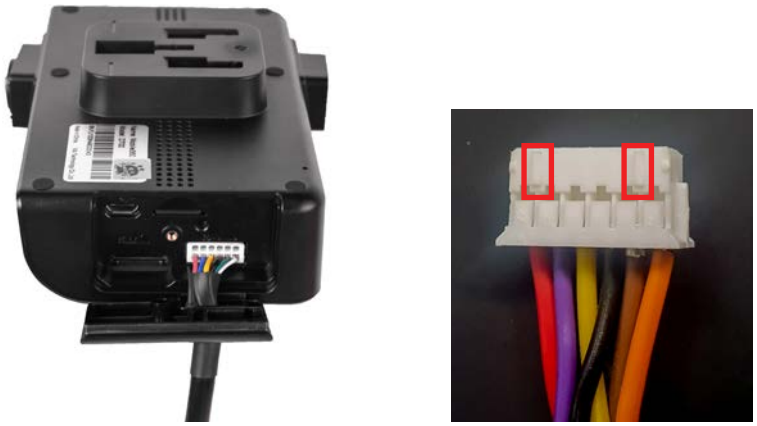

Figure 31: Plugging in the 12-pin connector of the OBD II Power Cable

Step 8

Reinstall the right panel I/O cover. Make sure to tighten the screw.

Figure 32: Reinstalling the right panel I/O cover

Step 9

Connect the yellow ACC cable on the OBD II Power Cable to the Blade Fuse Holder cable as shown in the diagram below.

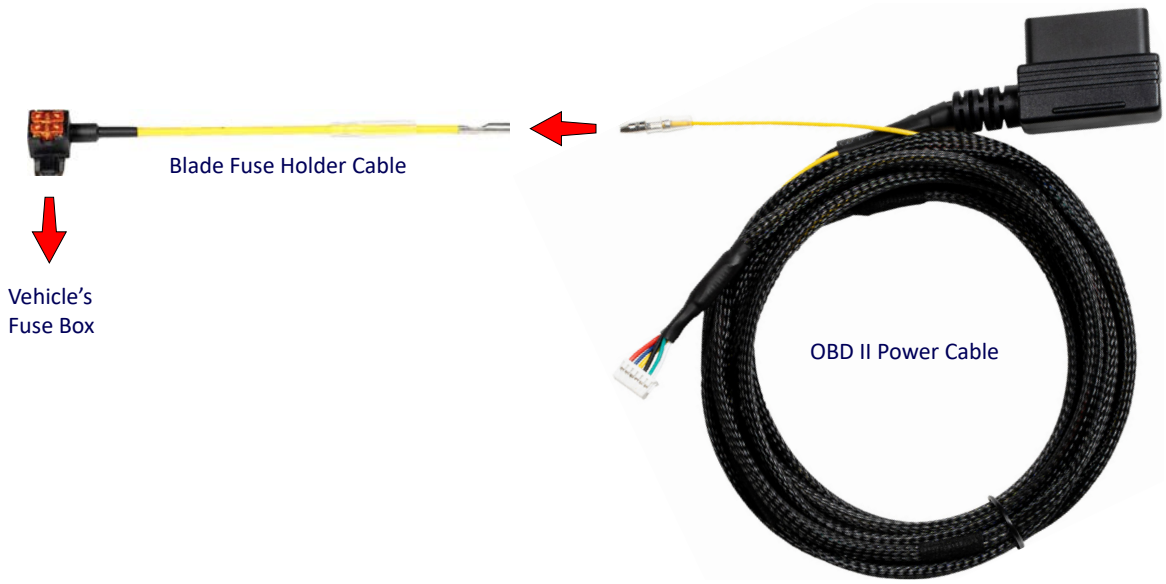

Figure 33: Connecting the OBD II power cable to the blade fuse holder cable

Reminder:
After connecting the ACC connector of the OBD II power cable to the Bladed Fuse Holder cable, slide the plastic protective cover over the connection point.

Step 10

Plug in the OBD II Power cable into the OBD II connector in the vehicle. Refer to the Vehicle Owner's manual for the location.

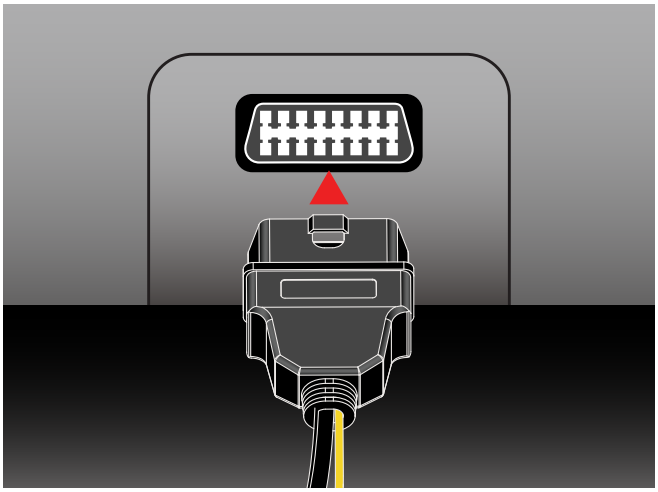

Figure 34: Inserting the OBD II Power cable to the OBD II connector

Step 11

Hide the cables.

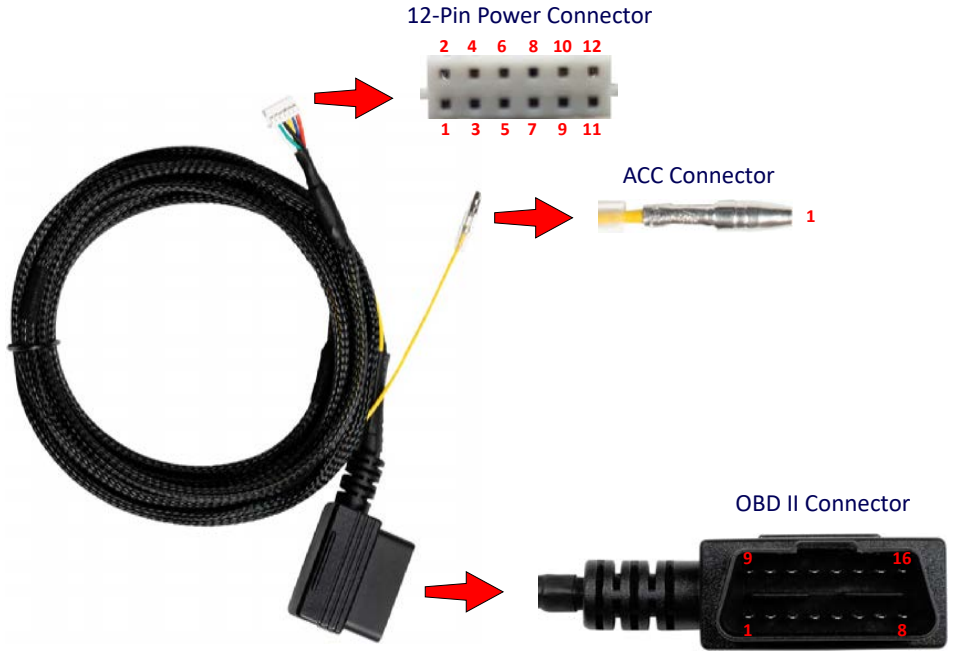

Figure 35: OBD II power cable connector pinouts

	12-Pin Power Connector	ACC Connector	OBD II Connector	Cable AWG
Signal Name	**Pin No.**	**Pin No.**	**Pin No.**	**UL Type and Color**
B+	2 & 4	-	16	UL1007 22AWG Red and Blue
GND	8	-	5	UL1007 22AWG Black
ACC-IN	6	1	-	UL1007 22AWG Yellow (Connect to vehicle's Fuse Box)
CAN_L	12	-	14	UL1007 26AWG White
CAN_H	10	-	6	UL1007 26AWG Green
-	1, 3, 5, 7, 9 & 11	-	1, 2, 3, 4, 7, 8 , 9, 10, 11, 12, 13 & 15	-

Table 05: OBD II power cable connector pinouts

4.4.2 Installing the 12-Pin Power Connector to DC Jack Combo Cable

The 12-pin power connector to DC jack Combo cable is intended for development purposes. The diagram below shows the connections required.

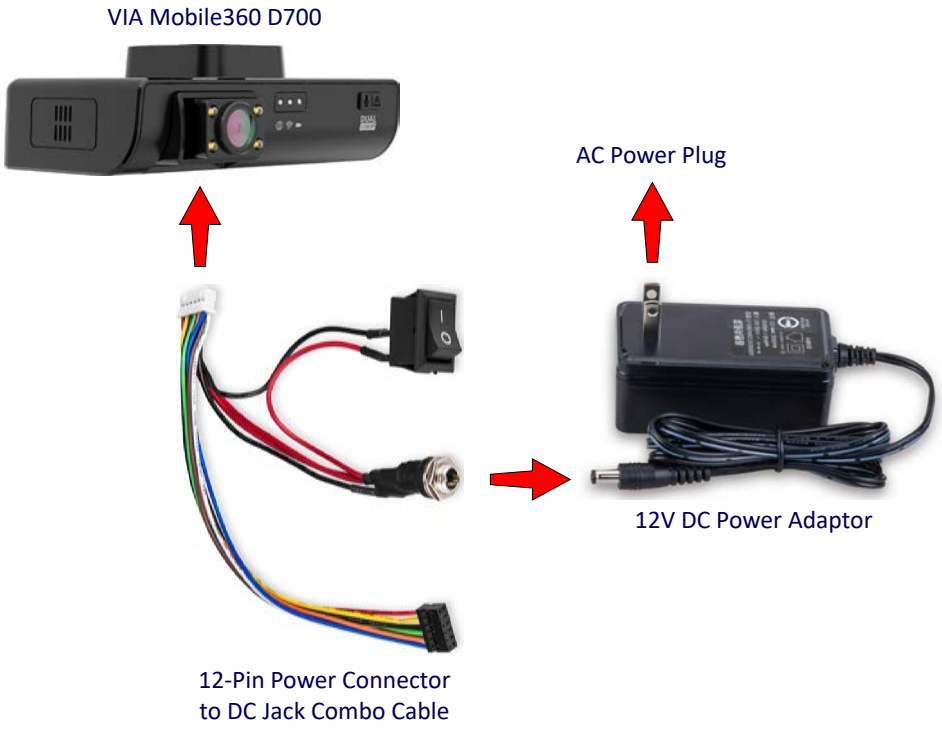

Figure 36: 12-pin power connector to DC jack combo cable connections

Follow the steps below to install the 12-pin power connector to DC jack combo.

Step 1

Remove the right panel I/O cover. For details, refer to section 4.1.

Step 2

Feed the 12-pin connector of the cable through the hole in the right panel I/O cover as shown below.

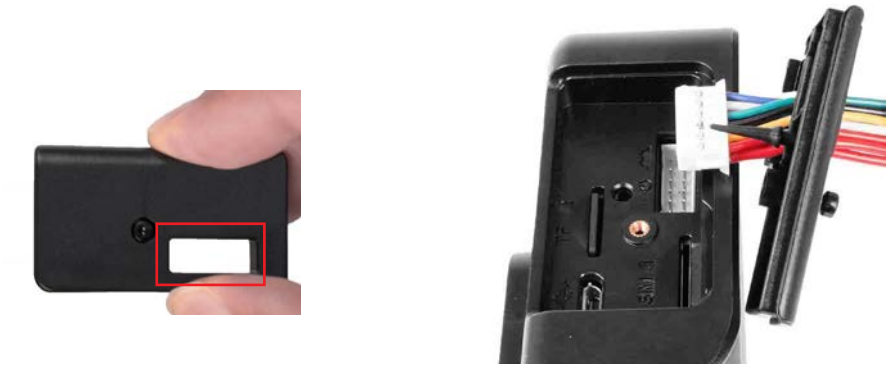

Figure 37: Feeding the 12-pin connector through the hole on the I/O cover

Step 3

Plug in the 12-pin connector to the power connector on the VIA Mobile360 D700. The cable should be inserted with the two ridges facing up and the red power wire on the left-side as shown below:

Figure 38: Plugging in the 12-pin connector of the 12-pin power connector to DC jack combo cable

Step 4

Reinstall the right panel I/O cover. Make sure to tighten the screw.

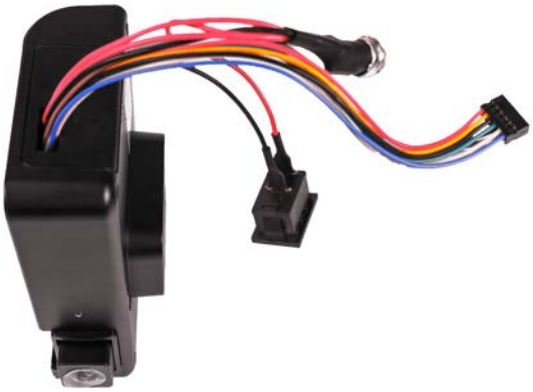

Figure 39: Reinstalling the right panel I/O cover

Step 5

Plug in the 12V DC power adaptor into the 12-pin power connector to the DC jack combo cable as shown in the diagram below.

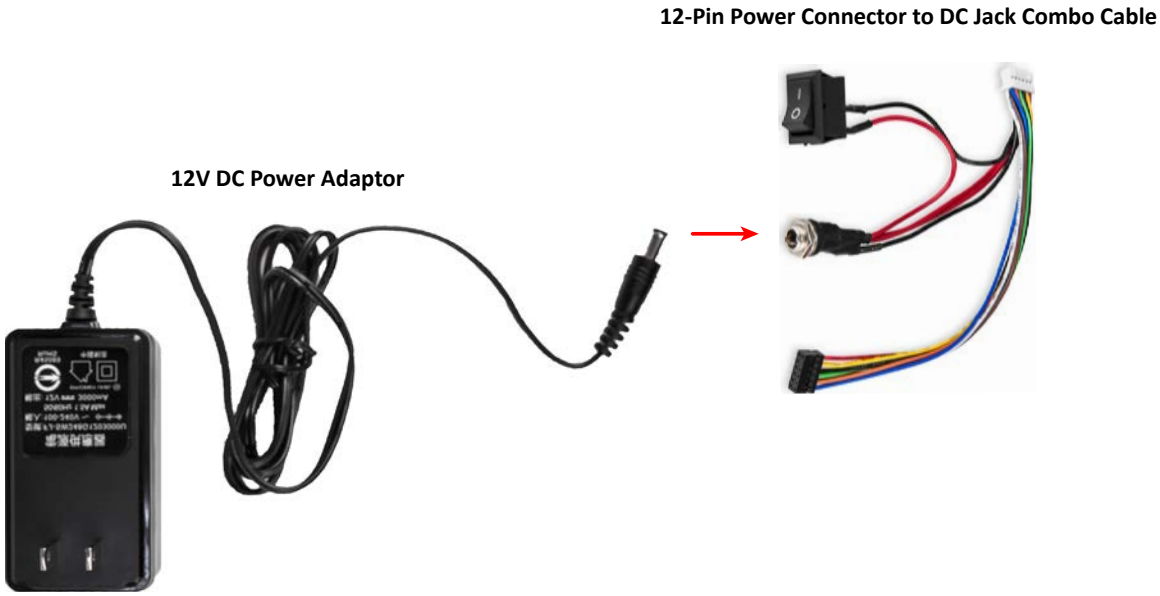

Figure 40: Plugging in the 12V DC power adaptor to the 12-pin power connector to DC jack combo cable

Step 6

Hide the cables.

Step 7

Switch on the ACC simulator switch on the 12-pin power connector to the DC jack combo cable.

Figure 41: ACC simulator switch

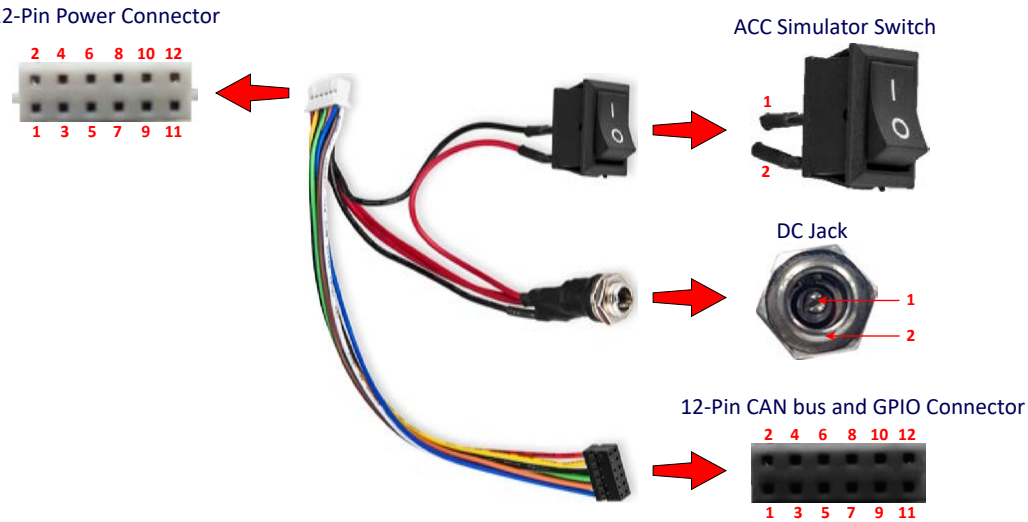

Figure 42: 12-pin power connector to DC jack combo cable's connectors

	12-Pin Power Connector	DC Simulator Switch	DC Jack	12-Pin CAN bus & GPIO Connector	Cable AWG
Signal Name	Pin No.	Pin. No.	Pin No.	Pin No.	UL Type and Color
B+	2 & 4	2	1	-	UL1007 22AWG Red
GND	8	-	2	8	UL1007 22&26AWG Black
ACC-IN	6	1	1	-	UL1007 26AWG Black
CAN_L	12	-	-	12	UL1007 26AWG White
CAN_H	10	-	-	10	UL1007 26AWG Brown
GPI	1	-	-	1	UL1007 26AWG Red
GPI	3	-	-	3	UL1007 26AWG Yellow
GPI	5	-	-	5	UL1007 26AWG Black
GPI	7	-	-	7	UL1007 26AWG Green
GPI	9	-	-	9	UL1007 26AWG Pink
GPO	11	-	-	11	UL1007 26AWG Blue
-	-	-	-	2, 4 & 6	-

Table 06: 12-pin power connector to DC jack combo cable's connectors pinouts

4.5 Mounting the VIA Mobile360 D700

A suction cup and an adhesive tape mounting bracket are provided to install the Mobile360 D700 in a vehicle. The suction cup mounting bracket provides a quick way to install/uninstall the device and is intended for testing or temporary installation instances.

The adhesive tape mounting bracket is for permanent installation as it provides a stronger bond to the windshield.

Figure 43: Mobile360 mounting brackets

4.5.1 Adhesive Tape Mounting Bracket Installation

Follow the steps below to install the VIA Mobile360 D700 AI Dash Cam with the adhesive tape mounting bracket.

Step 1

The **ADAS camera** of VIA Mobile360 D700 needs to be installed at the **center of the windshield** under the rearview mirror. The camera has a 3cm offset from the middle of the device which needs to be accounted for when determining the installation location.

Once the correct location is determined, clean the target area with alcohol before installation.

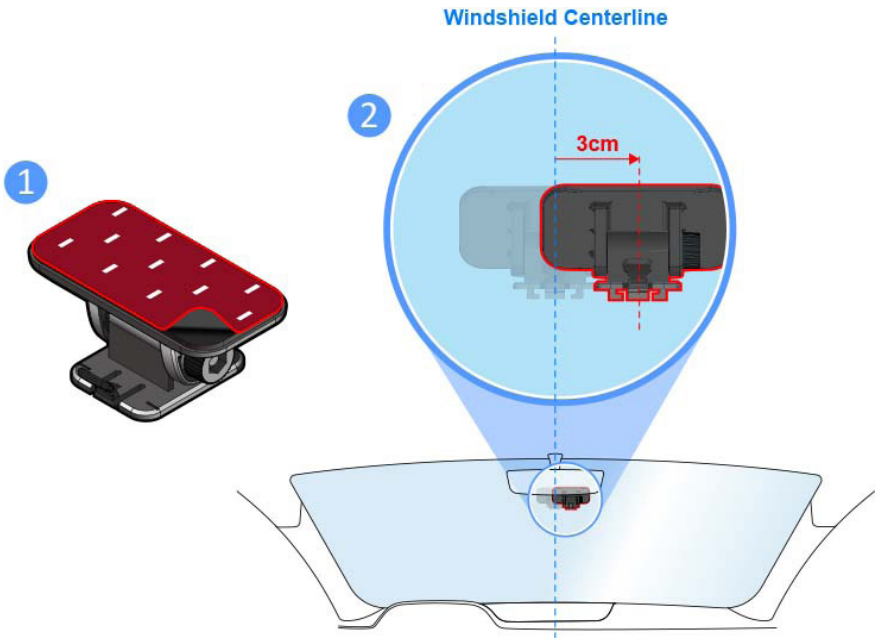

Figure 44: Install the adhesive tape mounting bracket

Step 2

Next, secure the VIA Mobile360 D700 mounting bracket to the windshield by removing the protective film and pressing firmly in place ensuring the bracket is installed parallel to the ground. It is recommended to wait at least **24 hours** before attaching the Mobile360 D700 device to maximize the bond strength.

Note:
The use of "3MTM VHBTM Tape Universal Primer UV" is recommended to increase the initial bonding strength.

Step 3

Next attach the VIA Mobile360 D700 to the adhesive tape mounting bracket by sliding the grooves into slots until they are locked into place.

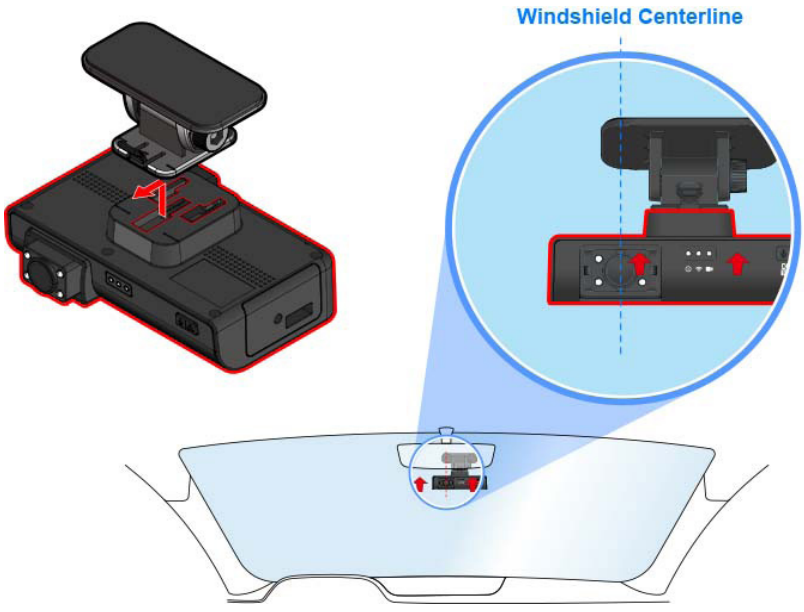

Figure 45: Installing the adhesive tape mounting bracket on the VIA Mobile360 D700

4.5.2 Suction Cup Mounting Bracket Installation

Step 1

Remove the clip on the adhesive tape mounting bracket and attach it to the suction cup bracket.

Figure 46: Assemble the suction cup bracket

Step 2

The **ADAS camera** of VIA Mobile360 D700 needs to be installed in the **center of the windshield** under the rearview mirror. The camera has a 3cm offset from the middle of the device which needs to be accounted for when determining the installation location.

Once the correct location is determined, clean the target area with alcohol before installation.

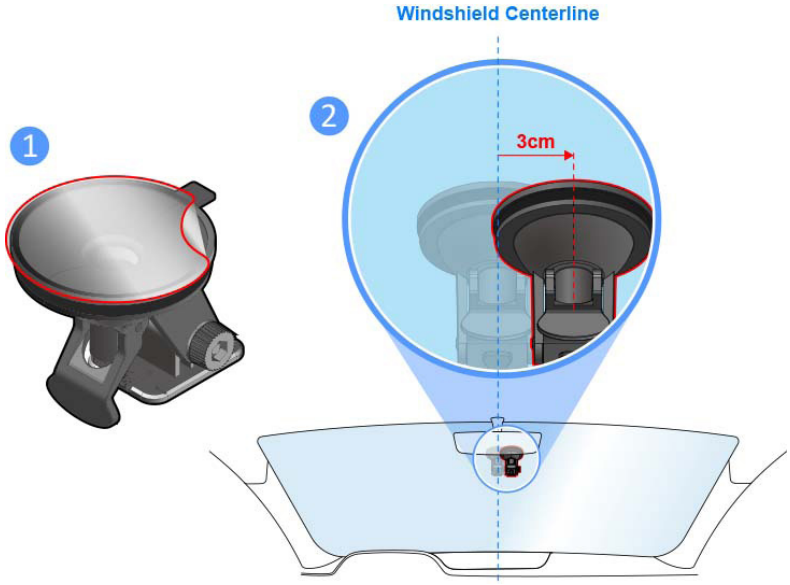

Figure 47: Mounting the suction cup bracket on the windshield

Note:
The suction cup bracket should be shifted 3cm to the right of the windshield center.

Step 3

Next, secure the suction cup mounting bracket to the windshield by removing the protective film and pressing firmly in place ensuring the bracket clip is installed perpendicular to the ground. Push the lever up to seal the connection to the windshield.

Figure 48: Suction cup mounting bracket lever

Step 4

Attach the VIA Mobile360 D700 to the suction cup mounting bracket by sliding the grooves into slots until they are locked into place.

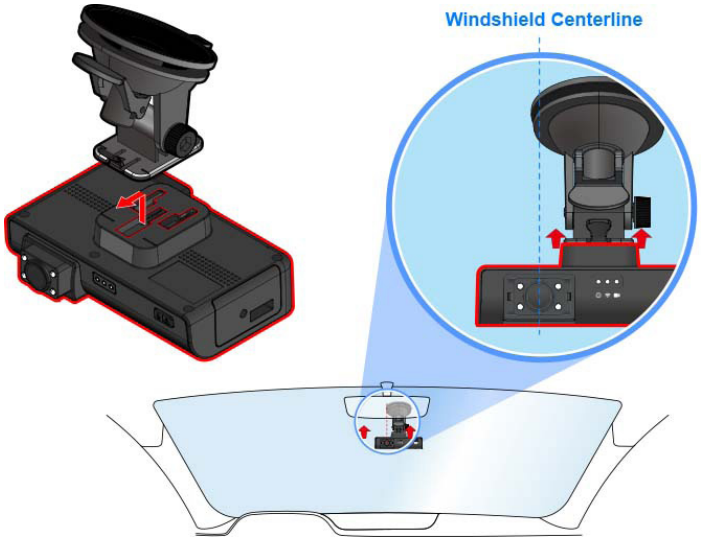

Figure 49: Installing the mounting bracket on the VIA Mobile360 D700

5. Technical Support

5.1 Technical Support and Assistance

- For technical support and additional assistance, always contact your local sales representative or board distributor, or go to **https://www.viatech.com/en/support/technical-support/** for technical support.
- For OEM clients and system integrators developing a product for long term production, other code and resources may also be made available. Please visit our website at:**https://www.viatech.com/en/about/contact/** to submit a request.

Appendix A Optional Accessories

A.1 Seatbelt Sensor

The optional wireless seatbelt sensor accessory is available to be used with the VIA Mobile360 D700 AI Dash Cam to determine the fastened/unfastened status of the driver seatbelt.

Follow the steps below to install the seatbelt sensor:

1. Use alcohol to clean the seatbelt buckle target surface located beneath the seatbelt slot.
2. Peel off the protective 3M tape on the seatbelt sensor and affix the sensor to the seatbelt buckle target surface, ensuring that the sensor's magnetic head is uncovered and projecting outwards above the seatbelt slot.
3. Press firmly to ensure proper adhesion.

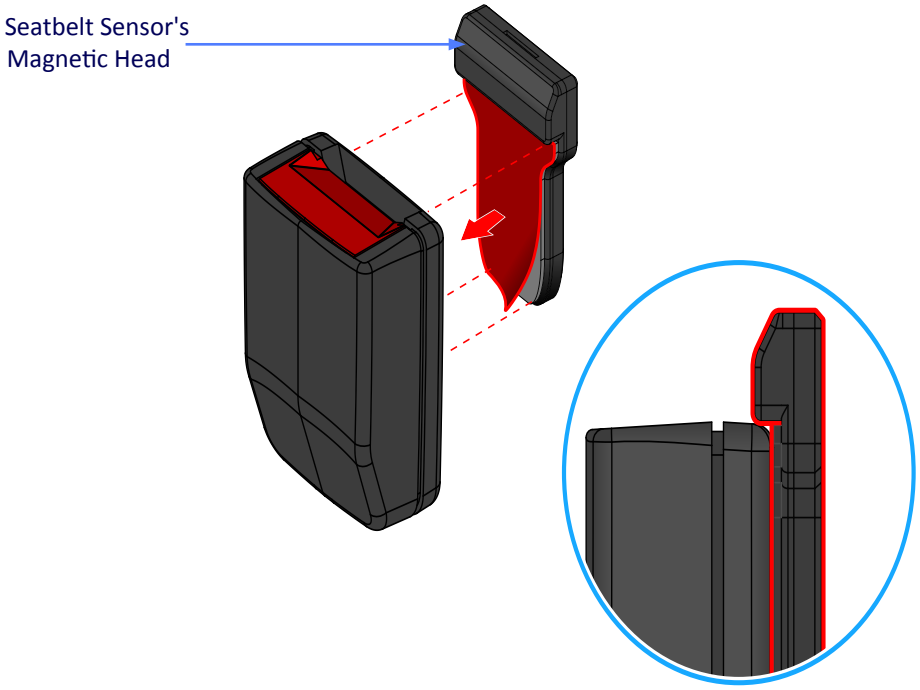

Figure 50: Seatbelt sensor installation

4. Refer to the Appendix section A.1.1 of the VIA Mobile360 D700 EVK Quick Start Guide to pair the seatbelt sensor with the Dash Cam using the VIA Mobile360 app.

A.1.1 Replacing the Battery

The seatbelt sensor's battery lifespan is subject to the extent of usage. Refer to the table below to check estimated battery lifespan based on average operating hours per week.

Average Operating Hours Per Week	Battery Lifespan (in months)
40	39
80	20
120	13

Table 07: Battery lifespan based on average operating hours per week

The seatbelt sensor's battery life can be checked in the VIA Mobile360 mobile app. Refer to the Appendix section A.1.3 of the VIA Mobile360 D700 EVK Quick Start Guide for information on checking the battery life. If the battery life is displayed as low or very low, it is time for a replacement. Follow the steps below to replace the battery:

1. Gently pry open the seatbelt sensor casing using a keyway removal tool.

> Note:
> The keyway removal tool is recommended to open the casing without damage. Using a flat-head screwdriver may damage the casing.

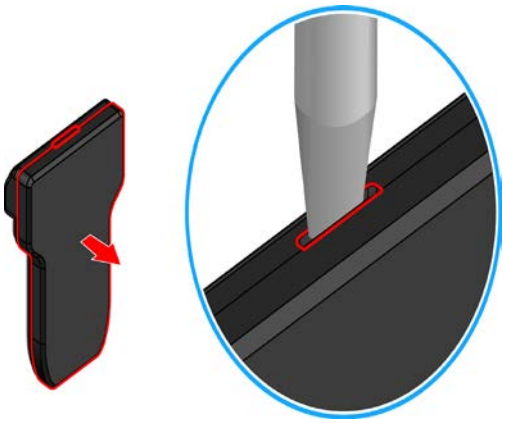

Figure 51: Open the seatbelt sensor casing

2. Replace the CR2032H coin battery with the "+" side facing up.

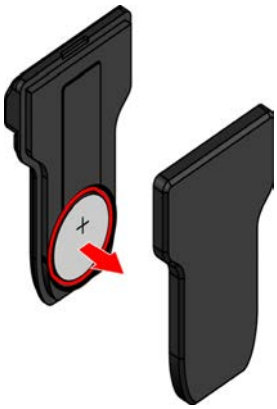

Figure 52: Replace the battery

3. Close the seatbelt sensor casing, ensuring both pieces of the casing are firmly held together and clicked shut.
4. Check the seatbelt sensor's battery life in the VIA Mobile360 app. If the battery life is still displayed as low or very low, fasten and release the seatbelt to trigger the broadcast signal for the seatbelt sensor. The VIA Mobile360 app will now display the updated battery life.

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