

# MAGNUM **AVL** FLEET TRACKING



**Installation Guide**

Hold for Model  
name or p/n

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## Hardware



EZ750



VS800



VS800 Aux Camera (driver)



VS800 Kit harness



P247

## Accessories



T6 tool & extra screw



Driver Camera Retainer



Cable clips



Alcohol pad



## Device Identification



(On the left side of the device)

Record the **IMEI number** of the EZ750 prior to installation



Record the **serial number** of the VS800 prior to install

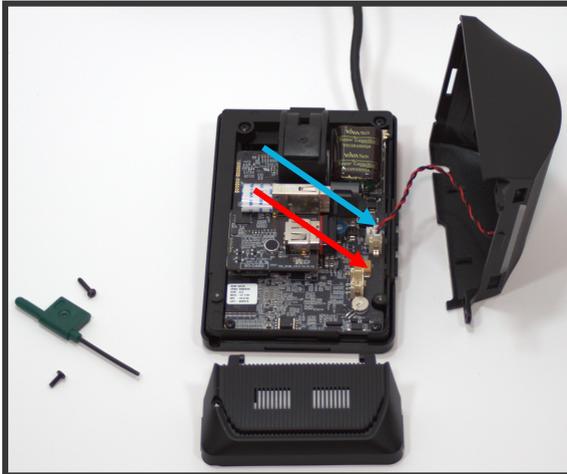


Download & install AI Fleet Cam app to your device

## VS800 Installation

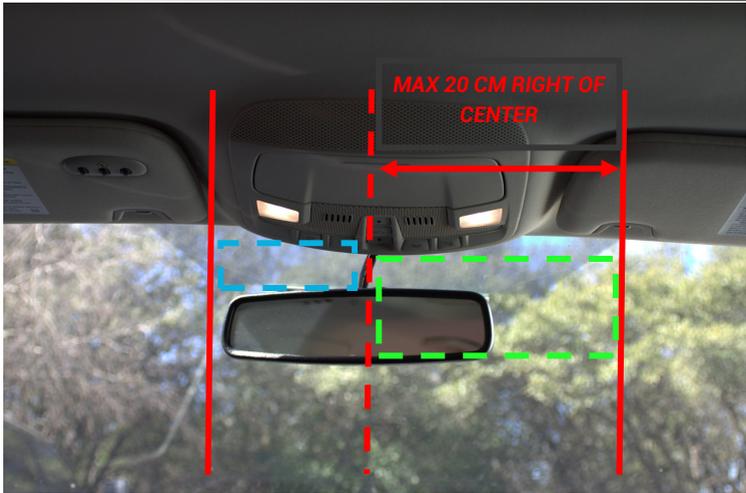


- Remove **T6 screw** using provided tool and set aside
- Slide cover to remove and set aside



- Remove **P1 screw** to release and remove top cover
- Unplug the **buzzer**
- Set aside top cover

## VS800 Installation



Select location for camera placement

- As close to center as possible
- No more than 20 cm to right from center
- Not out side of rearview boundary left of center
- Above AS1 line
- Ideal Road facing camera placement
- Ideal Driver facing camera placement

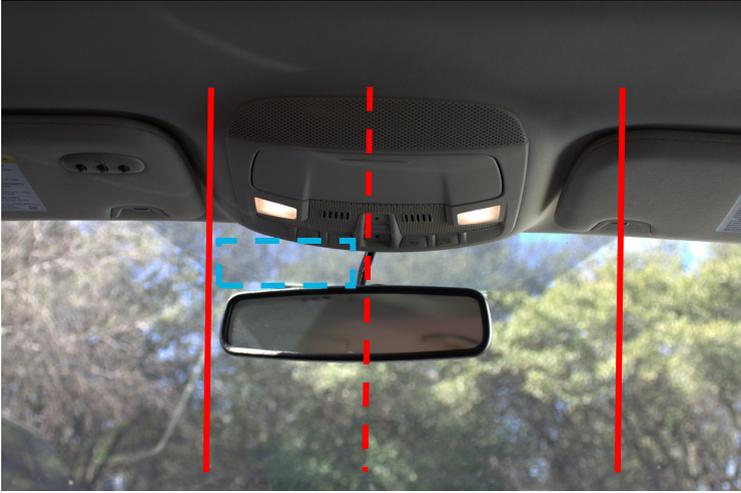


Clean area (including area for driver facing camera) using alcohol wipe provided



- Remove adhesive backing and firmly press camera into place.
- Hold for 30 seconds
- Glass must be dry—run vehicle defroster on high if moisture is present
- Recommended application temperature is 70°F –100°F
  - Warm or cool windshield as needed for application
- Camera will be adjusted via app at the end of installation
- Camera will be adjusted and set by loosening the **P1 screw here**
- ***Do not reinstall the cover yet!***

## VS800 Installation



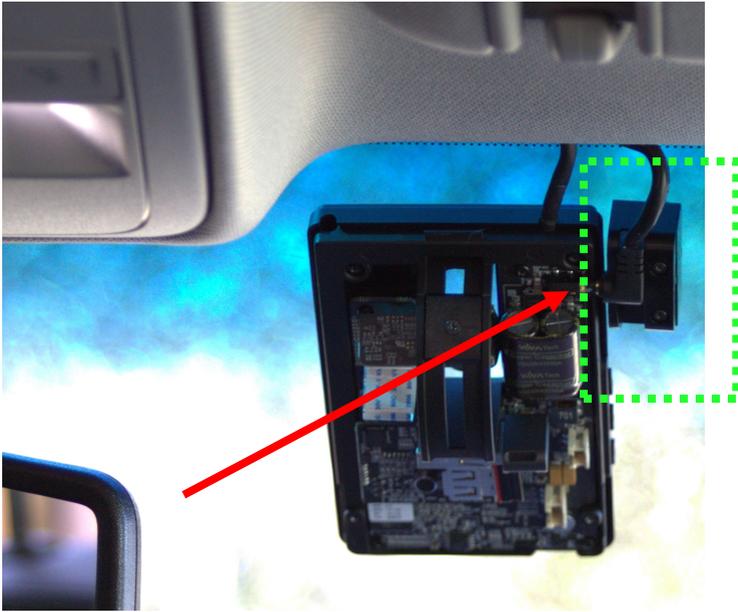
Select location for driver facing camera placement

- Left of center with a clear line of sight
- Above AS1 line
- Camera rotates to align
- Ideal Driver facing camera placement



Remove adhesive backing and firmly press camera into place.

- Hold for 30 seconds
- Remove protective film from lens

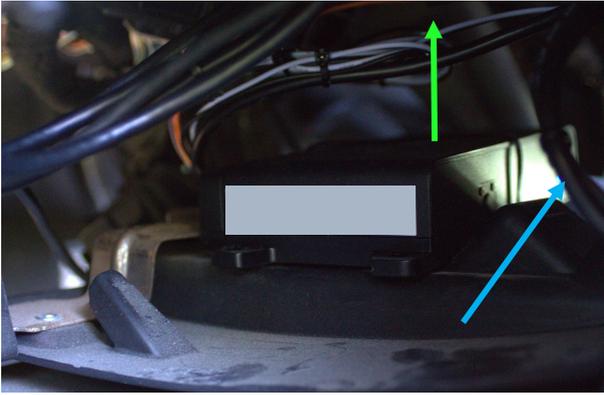


- Route and plug driver facing camera into main camera
- Install retainer
- Install cable clips as needed
- ***Do Not Reinstall the cover yet!***

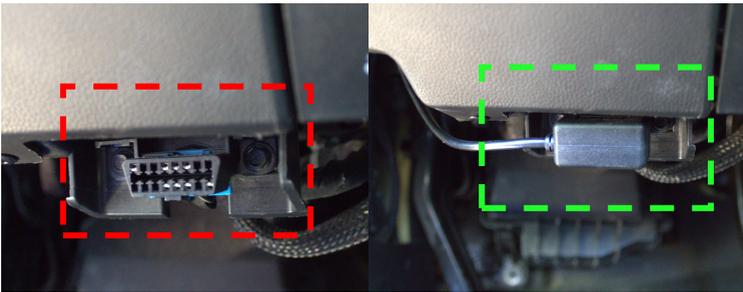


- Route cables neatly towards where tracking device is to be installed
- When routing cables stay clear of any moving parts, ex. — Steering shaft, pedals, airbags
- Secure using wire ties as needed
- **DO NOT OBSTRUCT AIRBAGS!**

## EZ750 Installation



- Select location for tracking device
- Ensure top of device has a clear line of sight to the sky
- Device will function properly through most materials with the exception of metal. **Do Not Place Directly Under Metal!**
- Device is required to be mechanically secured Ex—wire ties, screws, VHB tape (Wire tied to a panel in this example)



- Locate OBDII port
- Plug diagnostic harness (P247) into OBDII port
- Route harness neatly towards tracking unit location
- **When routing cables stay clear of any moving parts, ex.—Steering shaft, pedals, airbags**
- Secure using wire ties as needed

## EZ750 Multi-function Button



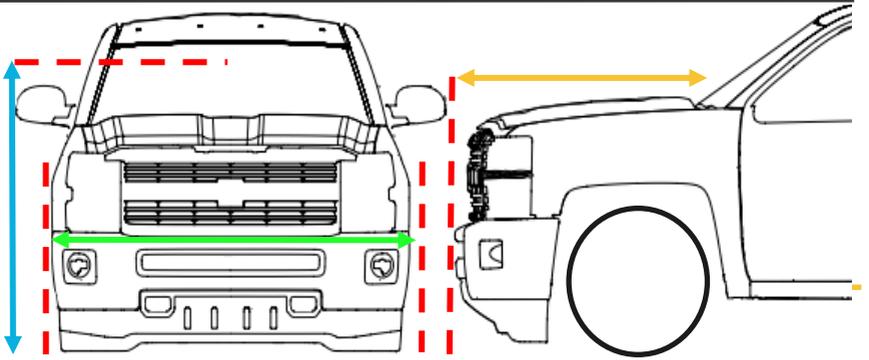
Press Duration	Action
2-4 seconds	Power on <a href="#">Check for errors</a> (see pg 16)
5-10 seconds	Sync settings w/ cloud device
>15 seconds	Power down (if unlocked and disconnected from power)

## EZ750 LED Status – Live



	GPS	Data	Power
Off	GPS off	Modem off	Device off or sleeping
On	GPS has fix	Connected	System awake
Rapid Flash	GPS acquiring fix	Transferring data	Transferring diagnostic data
Medium Flash	Searching for satellites	Searching for network	Device unlocked (3x4flashes)

## Measure vehicle



- Measure and record the following
  - Vehicle width (outside front wheel to wheel)
  - Distance from front bumper to base of windshield
  - Height from camera to ground

## Set up Camera via app



- Log into app and proceed with configuration
- Reference Quick Start Guide for app instruction.



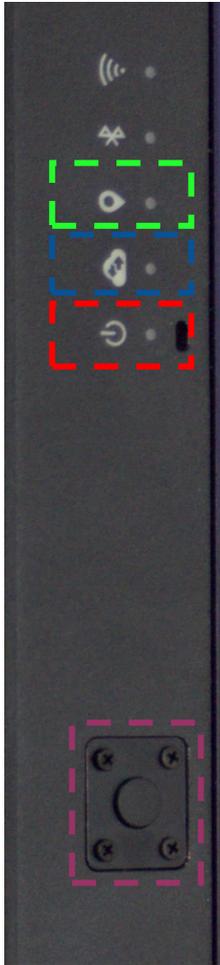
LED Indicator

### LED Indication

- Low Voltage
- Power on / Booting
- Power on—Operational
- Event Create
- Serial Comm Issue

### Device Malfunction

- General
- Check Memory Card
- Angle Adjustment X
- Check Camera Connection



### LED Flash Count

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#### GPS

x3 Low GPS signal

#### Network

x1 Sim Error

x2 No Network

x3 Unable to register w/network

x5 Service activation error

x6 Service sync failure

#### Power

x4 Low Battery

x5 Error reading diagnostics

x10 Other system error

### Error Codes

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To check the system status press and hold the **multi-function button** for 2-4s; release when the GPS LED illuminates.

Errors will be displayed as seen above

## Tracking Unit Installation

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Hold for system diagram

- 
- Plug the camera harness into the kit harness
  - Plug the kit harness into the diagnostic harness
  - Plug the diagnostic harness in to the tracking unit

xxx

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- xxx

- 
- xxx

Hold for Magnum AVL about us statement and  
or sup-port info

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