



## Part Components

A) Mirror    B) Camera and 2 mounts    C) Cables    D) Mirror mounts



## Universal 9" Full Screen Live-Streaming Real-Time Mirror and Dual Dash Cameras

Visit [iBEAMUSA.com](http://iBEAMUSA.com) for more detailed information about the product and up-to-date vehicle specific applications.

### Product Features

- 9" Full screen, Real-Time rear view image
- 1080p @ 30 fps front and rear camera
- Dual channel Dash Camera

### TABLE OF CONTENTS

|                                     |     |
|-------------------------------------|-----|
| Installation and Wiring .....       | 2   |
| Mirror operation.....               | 3   |
| Settings Menu .....                 | 4-7 |
| Playback Menu.....                  | 8-9 |
| Specifications .....                | 10  |
| Visual adjustments and mounts ..... | 11  |

### TOOLS REQUIRED

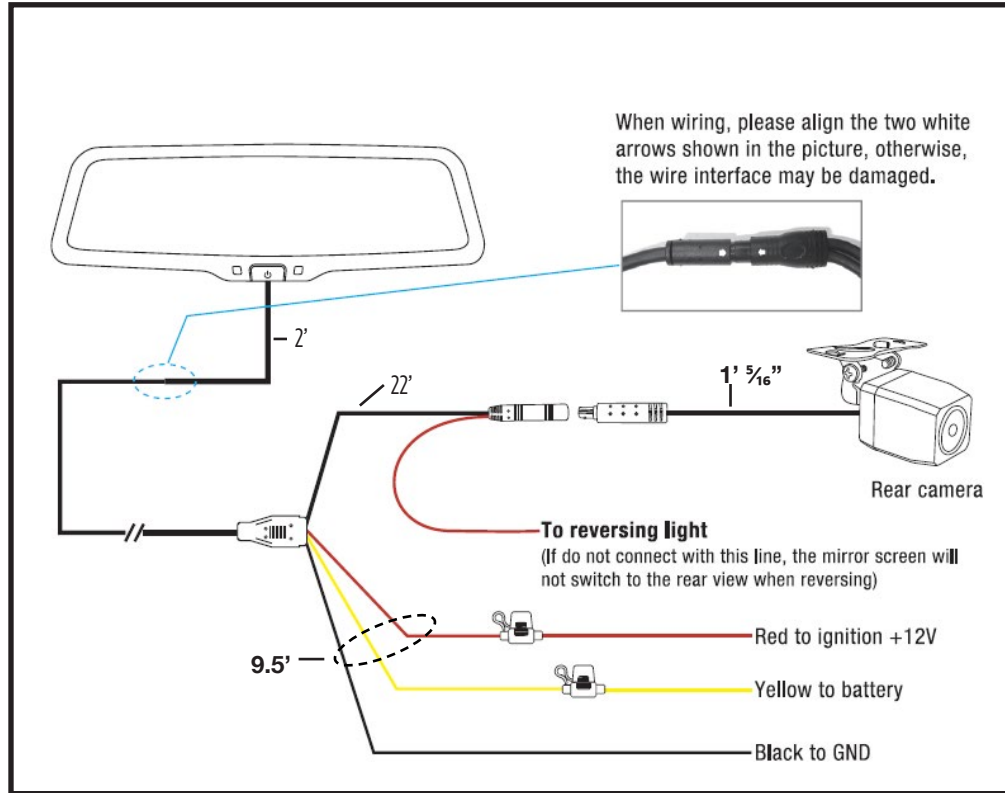
- Wire stripper
- Tape
- Digital Multi-meter
- Cutter

**Attention!** When testing the aftermarket equipment, ensure that all factory equipment is connected before cycling the key to ignition.

# INSTALLATION AND WIRING

## Mirror Wiring (Figure A)












1. Remove the factory mirror from the windshield and mount the TE-LVM9 to the D-shaped mount on the windshield. If the D-shaped mount is not available, please check the included mirror mounts. See page 11 to check the makes of vehicles the included mounts work with. If option is not available, check [iBEAMUSA.com](http://iBEAMUSA.com) for more options.
2. Run the wiring across the headliner and down the A-pillar to the under dash area.
3. Connect the wires to the designated sources. **Verify with a multi-meter that the correct wire is being used.**
  - **YELLOW** wire to 12V battery
  - **RED** wire to 12V accessory
  - **BLACK** wire to chassis ground
4. Run the extension wire to the rear of the vehicle and mount the camera to the exterior of the vehicle.
5. Connect the **RED** wire on the extension wire to a reverse signal found at the taillight. **Verify with a multi-meter that the correct wire is being used.**

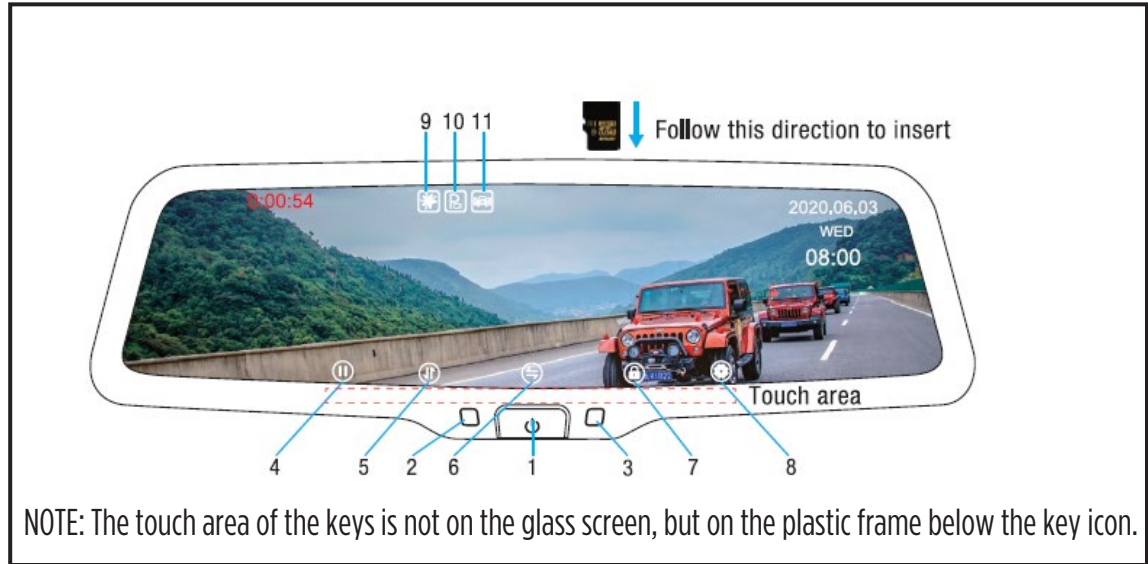


(Figure A)

# MIRROR OPERATION

## Mirror Operation (Figure B)

- 1.)  Power button  
Short press to turn the screen on/off  
Long press to turn off the mirror, then short press to restart
- 2.) Light Sensor
- 3.) LED indicator
- 4.)  Stop Recording  
 Start recording
- 5.)  Short press to adjust the screen display range  
Long press to take photo
- 6.)  Video switch button
- 7.)  Lock the current video when recording  
 Enter playback when recording is stopped
- 8.)  Short press to enter the Menu setting when recording is stopped
- 9.)  Night mode icon
- 10.)  Parking monitoring icon
- 11.)  G-sensor icon



(Figure B)

# SETTINGS MENU

## Settings Menu

- **Movie Mode:** For front camera only
  - FHD30/HD30
- **Movie Clip Time:** Time of recordings
  - 1 min / 3 min/ 5 min
- **Night mode:** Turn on to increase sensitivity of the lens to make brighter and higher quality videos
  - On / off
- **Sound Record:** Set to record sound
  - On / off

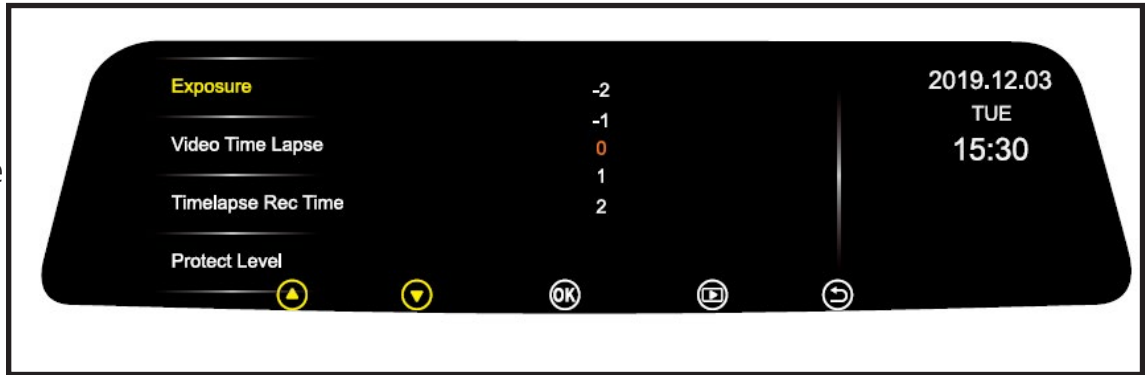


(Figure C)

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## SETTINGS MENU (CONTIN.)

- **Exposure:** Only for front camera
  - -2 / -1 / 0 / 1 / 2
- **Video Time Lapse:** Frame per second
  - Off / 1 fps / 4 fps
- **Time Lapse Rec. Time:** The time lapse loops will be recording: 2 hours / 8 hours / 12 hours / 24 hours
- **Protect Level (G-sensors):** Sensitivity for the shock sensor
  - off / High / Middle / Low

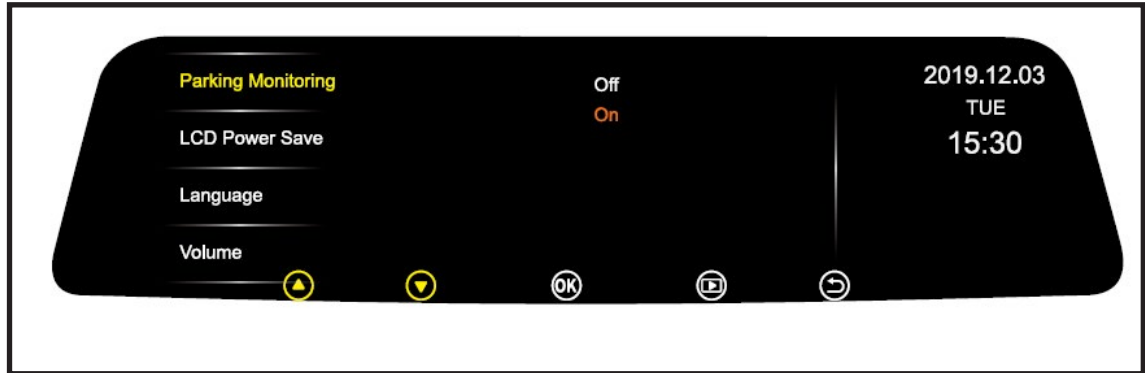


(Figure D)

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## SETTINGS MENU (CONTIN.)

- **Parking Monitoring:** When mirror is shaken, it will begin to record for 30 seconds
  - Off / on
- **LCD Power Save:** Delay for the menu overlay to turn off
  - Off / 1 min / 3 min
- **Language**
  - 8 language choices
- **Volume:** Playback volume
  - Off / High / Middle / Low



(Figure E)

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## SETTINGS MENU (CONTIN.)

- **Flicker:** Frequency of power if a flicker in the screen is visible switch the setting
  - 50 Hz / 60 Hz
- **Clock settings:** Can adjust manually
- **Format memory card:** If no videos need to be saved, the user can delete all files on the memory card. It is also recommended that this action be done when first installing the card into the unit
- **Reset Setup:** Resetting all settings to their factory default setting




(Figure F)

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# PLAYBACK MENU

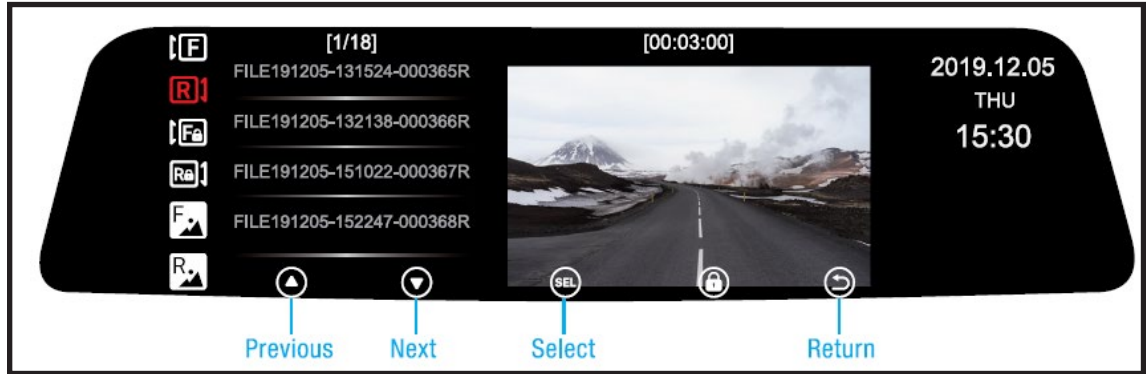
## Playback Menu

To stop recording, tap the  icon to enter the playback menu.

Press  to switch to Rear view recording, front locked recordings, rear locked recordings, front snapshots or rear snapshots.

Press  to enter the menu selected

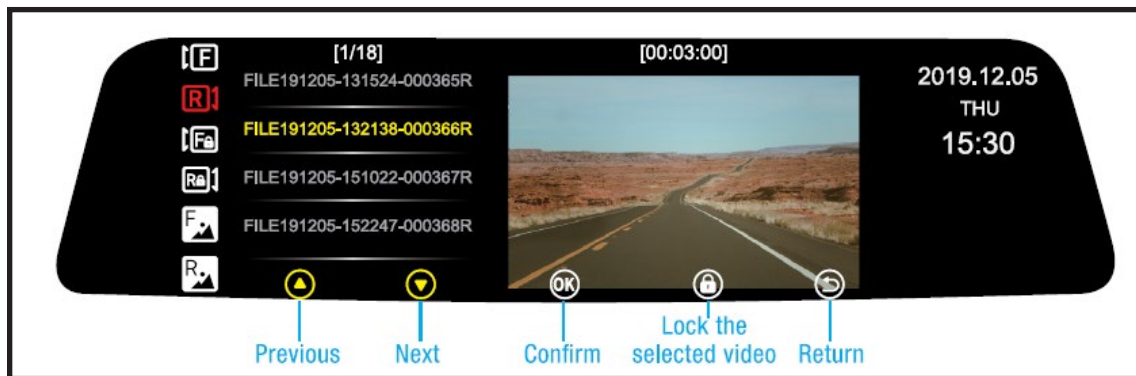
Press  to return to the previous menu



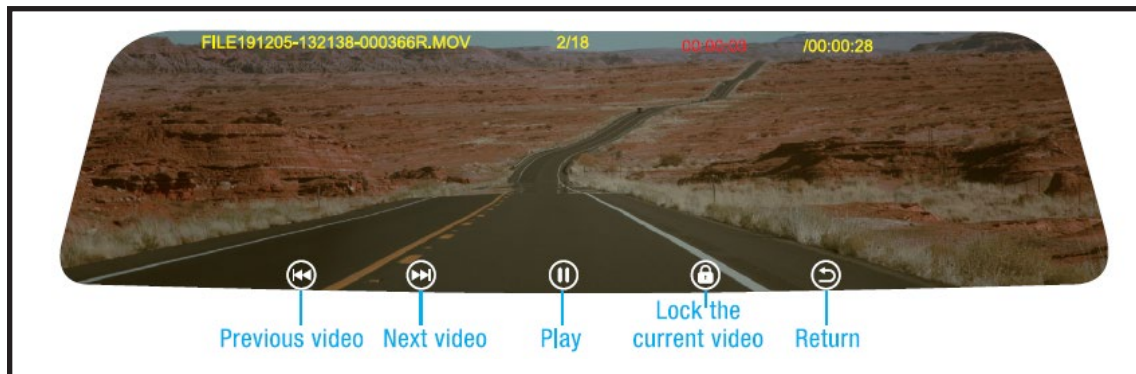
(Figure G)

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## PLAYBACK MENU (CONTIN.)



(Figure H)



(Figure I)

Press  to select a video to view  
Press  to lock the selected video onto the memory card so it cannot be overwritten. **NOTE: if memory card is re-formatted, it will delete these locked videos.**

Press  or  to go to the next or previous videos

Press  to play the video

Press  to pause the video

Press  to return to the previous menu

# SPECIFICATIONS

|                         |                      |
|-------------------------|----------------------|
| Screen Type             | LCD                  |
| Screen size             | 9 inches             |
| Back camera             | 1080p, 120 °         |
| Front camera            | 1080p, 140°          |
| Video format            | MOV                  |
| Screen Resolution       | 1080p FHD, 1280X320  |
| G-sensor                | Yes                  |
| Languages               | Multiple, 8          |
| Photo Format            | JPG                  |
| Maximum micro SD card   | 64 GB                |
| Microphone              | Yes (on/off)         |
| Current frequency       | 50hz/60hz            |
| Frames per second       | 30fps front and rear |
| Recording               | Front and rear       |
| Time Setting            | 24h manual setting   |
| Brightness adjustment   | Yes                  |
| Parking Mode            | Yes                  |
| Date stamp on recording | Yes                  |
| Loop Recording          | Yes                  |

## VISUAL ADJUSTMENT AND MOUNTS

### Adjusting the visual on screen

- Touch frame to activate on screen menu symbols
- Use the ⤴ symbol to move the visual up and down
- Use the ⇄ symbol to switch between rear and front camera
- Again use the ⤴ symbol to adjust the front visual up and down

NOTE: Front camera is also able to be adjusted by hand.

Included in this kit are three vehicle specific mirror mounts. They cover the following vehicle makes.

- Chrysler vehicles
- Honda/Acura/Subaru
- Volkswagen



Volkswagen



Chrysler vehicles



Honda/Acura/Subaru



# TE-LVM9

INSTALLATION INSTRUCTIONS  
#IBEAMSAFETY



Having difficulties? We're here to help.



Contact our Tech Support line at:

**386-257-1187**



Or via email at:

[techsupport@metra-autosound.com](mailto:techsupport@metra-autosound.com)

### Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

Saturday: 10:00 AM - 5:00 PM

Sunday: 10:00 AM - 4:00 PM



**Metra recommends MECP  
certified technicians**