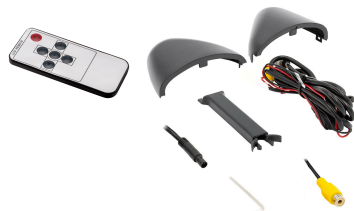




## Universal Rearview Mirror w/Integrated 4.5 In. Monitor & DVR

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



### KIT COMPONENTS

- A) Mirror with mount
- B) Remote
- C) Accessories

A



B



C



### Product Features

- Forward facing and rear view recording
- G-sensor protection
- Parking Monitor options
- 1080p forward facing camera

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### TOOLS REQUIRED

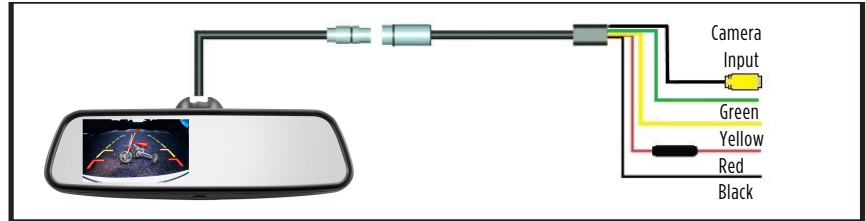
- Cutting/stripping tool
- Tape
- Pry tool

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

# MIRROR/MONITOR INSTALLATION

## Mirror/Monitor Wiring

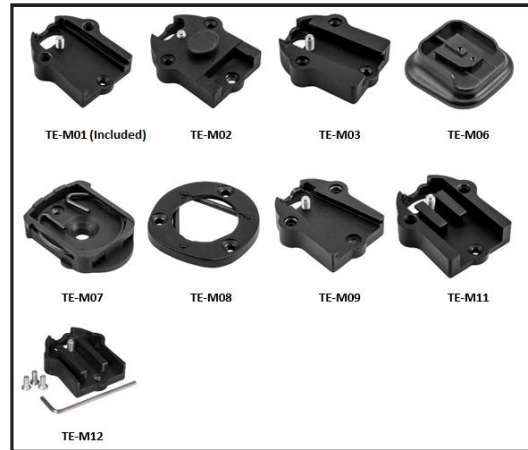
1. Connect the **BLACK** wire to chassis ground.
2. Connect the **RED** wire to 12V accessory.
3. Connect the **YELLOW** wire to 12V constant.
4. Connect the **GREEN** wire to a positive reverse trigger.
5. Connect the **YELLOW** female RCA to the reverse camera male RCA.  
(Figure A)



(Figure A)

## Vehicle Specific Brackets

Mirror/Monitor comes with part number TE-M01 included which covers a variety of vehicles. Other brackets are not included, but shown for reference. For other vehicle applications please visit [iBEAMUSA.com](http://iBEAMUSA.com)  
(Figure B)



(Figure B)

# MIRROR/MONITOR OPERATION

## Reverse is triggered via the Green wire in the harness

The monitor will automatically switch to the real-time back up image. After reverse is disengaged, the visual will switch back to the previous display.

## Auto Brightness Monitor

The monitor brightness will be adjusted according to the ambient light changes inside of the vehicle. In bright light conditions, the screen brightness will be higher. In dark conditions, the screen brightness will be lower.

**NOTE:** Window tint may affect the auto brightness sensor of the monitor.

## Button Operation

Short press: Turns recording On/Off

Long press: Turns the mirror/monitor On/Off

## Remote Control Operation

**Power button:** Turns mirror/monitor On/Off

**Menu Button:** when recording, turns recording On/Off

## How to set time

- Must stop recording by hitting the **MENU** button on remote.
- Press the **MODE** button on the remote twice to enter the second setup menu.
- Press **>** button on the remote to enter the setup selection
- Press the **MENU** button on the remote to enter the Date Setup.
- Continue to set the date using **>/<** buttons for Date Selection.
- Press the **MENU** button to go to the Time Selection.
- Continue to set the time using **>/<** buttons for Time Selection.
- Press the **MODE** button on the remote to exit the Menu.

## To switch sources

- Must not be recording, stop recording by hitting the **MENU** button on the remote.
- Press **VIDEO SELECT** button. This will switch between Video/Photo/Playback.

## Parking Monitor Notes

The Mirror/monitor has the option to keep recording when the ignition is off and the vehicle is parked.

When the vehicle battery is lower than 11.4V, the DVR will stop recording.

There is an option for Motion Detection to save micro SD card memory.

**NOTE:** When Motion Detection is on, DVR is not continual. This option should be shut off during normal use.

## Screen Saver

If the screen saver is activated, the screen with shut off automatically but the DVR will still be recording.

## Short Cuts

### DVR Settings

If options want to be changed while the DVR is recording and the visual is on the screen.

On the remote:

Press **>** for audio record **On/Off**

Press **MODE** to **lock or unlock** the video for saving

### Photo Settings

On the remote:

Press **<** to **Zoom out**

Press **>** to **Zoom in**

# MIRROR/MONITOR MENU OPTIONS



## Video

Resolution	Select video resolution	1296P 1728x1296 1080FHD 1920x1080 720P 1280x720
Loop recording	Select video loop time	Off / 3 minutes / 5 minutes / 10 minutes
HDR	High Dynamic Range	On / Off
Exposure	Adjust the brightnes	-2~+2
Motion detection	Motion detection	On / Off
Record audio	Record video audio	On / Off
Date Stamp	Date stamp on video	On / Off
G sensor	G sensor protection level	Off / High / Medium / Low



## Playback

Delete	Delete videos or photos	Delete current / Delete all
Protect	Protect Video	Lock current / Unlock current / Lock all / Unlock all
Slide show	Slide show photo timer	2 seconds / 5 seconds / 8 seconds



## Snapshot (Still)

<b>Capture mode</b> Select the still delay time	Single / 2sec timer / 5sec timer / 10sec timer
<b>Resolution</b> Select still resolution	12M 4032x3024 / 10M 3648x2736 / 8M 3264x2448 / 5M 2592x1944 / 3M 2048x1536.....
<b>Sequence</b> Take 3 quick bursts of stills	On / off
<b>Quality</b> Adjust the still quality	Fine / Normal / Economy
<b>Sharpness</b> Adjust the sharpness	Soft / Normal / Strong
<b>White Balance</b> Adjust the white balance	Auto / Daylight / Cloudy / Tungsten / Fluorescent
<b>Color</b> Adjust the color saturation	Color / Black & white / Sepia
<b>ISO</b> Adjust the ISO sensitivity	Auto / 100 / 200 / 400
<b>Exposure</b> Adjust the brightness	-2 ~ +2
<b>Anti-Shake</b> Select the anti-shake mode	On / off
<b>Quick Review</b> Select the quick review timer	Off / 2 seconds / 5 seconds
<b>Date Stamp</b> Select the date stamp type	Off / Date / Date & time

Continue to the next page

## MIRROR/MONITOR MENU OPTIONS (CONT.)



### General Settings

<b>Day/time</b> Select Day/ time format	YYY/MM/DD MM/DD/YYYY DD/MM/YYYY
<b>Car No.</b> Set the car number as video water mark	Car No.
<b>Auto power off</b> Select the machine auto power off	On / off
<b>Beep Sound</b> Select beep sound for remote button operation	On / off
<b>Language</b> Select language	English / French / Spanish / Germany / Italian / Russian / Japanese / Simple Chinese / Traditional Chinese
<b>Frequency</b> Select video frequency	50Hz / 60Hz
<b>Close CVBS</b> Changes time visual on monitor switch sources	Off / 10 sec / 30 sec / 60 sec
<b>Format</b> Format SD card	Format SD card
<b>Default Setting</b> Return to default settings	Cancel / OK
<b>Version</b> Firmware version	Firmware version

## MIRROR SPECIFICATIONS

Ambient light sensor



IR sensor

Mode button

Reset button

Micro SD  
card slot



## SPECIFICATIONS

<b>Screen</b>	4.5" TFT LCD, Ultra high brightness
<b>Image Sensor</b>	3.5 mega pixel CMOS
<b>Lens</b>	130 degree A+ grade full glass type
<b>Picture Pixels</b>	2.07 million pixels (dynamic), 3.5 million pixels (static)
<b>Picture Format</b>	JPEG
<b>Recording mode</b>	1269P 1728x1296; 1080P FHD 1320x1080 30f; 720p 1280x720
<b>Digital zoom</b>	4x digital zoom in/out
<b>Speaker</b>	Built-in Hi-Fi speaker
<b>Microphone</b>	Built-in
<b>Video segment</b>	Off / 3 minute / 5 minute / 10 minute
<b>Exposure adjustment</b>	EV-2 ~ EV +2
<b>White balance</b>	Auto / daylight / cloudy / tungsten / fluorescent
<b>Memory Card Max.</b>	Up to 32gb micro SD card
<b>Still capture</b>	Snapshot easily when power on
<b>G-sensor sensitivity</b>	Off / high / medium / low
<b>ISO sensitivity</b>	Screen lightness changes with environment light
<b>Voltage</b>	DC12v
<b>Power</b>	< 6 W
<b>Format</b>	PAL/AUTO/NTSC
<b>Video channel</b>	AV1 = video input AV2 = reverse camera AV3 = DVR
<b>Frequency</b>	50Hz / 60Hz
<b>OSD language</b>	English / French / Spanish / Portuguese / German / Italian / Russian / Japanese / Simple Chinese / Traditional Chinese
<b>Dual Record</b>	Front: 1080P FHD Rear: VGA camera



# TE-DVR-MM

INSTALLATION INSTRUCTIONS



Having difficulties? We're here to help.



Contact our Tech Support line at:

**1-800-253-TECH**



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 - 7:00 PM

Sunday: 10:00 AM - 4:00 PM



### **KNOWLEDGE IS POWER**

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