

## V. Bluetooth Functions (cont.)

- a. Turn the Bluetooth off, on the mobile phone for disconnection, to reconnect just repeat the CONNECTION instructions above.
  - b. When the mobile phone and mirror monitor are 10 meters (32 feet) away from each other (less if an obstacle is in between them), the Bluetooth will automatically disconnect.
  - c. Turn off the vehicle to disconnect Bluetooth, turn on vehicle to reconnect Bluetooth (as long as Bluetooth is already enabled on mobile device).
  - d. NOTE: Using the handset when turning on the vehicle the call will be transferred to the mirror, when vehicle is turned off call will transfer back to handset (as long as Bluetooth is already enabled on mobile device).
- 4) Volume Adjustment: The mirror monitor comes out of the factory with a moderate volume, but users can still adjust it by pressing button ▲ to add or ▼ to decrease the volume.



# TE-RVMCBT Product Manual



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The TE-RVMCBT is a replacement rearview mirror that has a 4.3" TFT screen built in, Bluetooth functions and with dual video sources, one for reverse viewing with the TE-SBC camera, the other for any video source with a composite video output. The mirror comes with the most widely used mirror mount to fit many vehicles, or it can use the optional mirror brackets which are sold separately (Check with your place of purchase for these optional brackets).

## II. Specifications

Rearview Monitor Sensor	Vertical Sync Frequency: PAL 50HZ / NTSC 60HZ
Screen Size: 4.3"	Scanning System: 2:1 Interlace
Display Screen: TFT-LCD	Sync System: Internal
Display Resolution: 480(H)XRGBX272(V)	AGC: Auto
Aspect Ratio: 16:9	BLC: Auto
Power Consumption: ≤2W	Resolution: 420 TV Lines
Power Supply: DC12V	S/N Ratio: More than 48dB
Video Input: AV1 to VCD/DVD (defaulted)	Current Consumption: No more 150mA
AV2 to backup camera	Power Supply: DC12V310%
Signal System: PAL/AUTO/NTSC	Operating Temperature: -22° - 176° F
Brightness: 250cd/m <sup>2</sup>	Storage Temperature: -40° - 176° F
Contrast Ratio: 300:1	Viewing Angle: 170°
Camera Sensor - CMOS II	Water-proof: IP67
Effective Pixel: 656 x 492	Minimum Illumination: 0.5Lux / F1.2 (0 Lux with Led)
Horizontal Sync Frequency: 15625KHZ	

## III. Installation

### Rearview Mirror

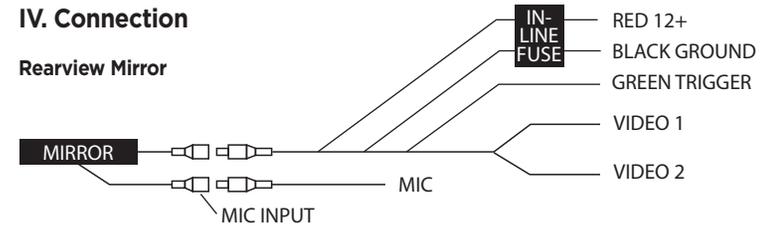
- 1) Remove the existing mirror from the vehicle.
- 2a) If the OEM mirror has the D style mounting tab on the windshield (most common mounting tab) then mount the mirror and continue to step 3.
- 2b) If the OEM mirror has any other style mount than the D style mounting tab, please contact your place of purchase about optional mounts.
- 3) After mirror has been mounted, attach the microphone plug to the cable located at the rear of the mirror and run the microphone cable towards the driver's side ensuring the driver has a clear vocal path with no obstructions then attach it by removing the self adhesive backing. Attach power cable and video cable, then route wire harness neatly from the mirror across the headliner and down the A-pillar. Be careful when routing the harness so it does not interfere with any side curtain airbags or gets pinched when reinstalling any interior parts needed to take off when routing harness.

### Camera

- 1) Find a suitable location to mount the camera, there are two ways to mount this camera either a Surface mount or with the supplied Flush mount hardware.
- 2) "Surface mount" install, make sure the camera's view is unobstructed and be careful not to drill into any wires that might damage the vehicle. When all connections have been made and before mounting the camera, verify the camera is working and has good view of the area. Then mount the camera down with the supplied two screws.
- 3) "Flush mount" install, make sure the camera's view is unobstructed and be careful not to drill into any wires that might damage the vehicle, also check to make sure you have enough depth for install. When all connections have been made and before mounting the camera, make sure the camera comes on and you have a good view of the area. Use the supplied 16.5mm hole saw bit to drill a hole for flush mounting of camera and use flush mount hardware. Once the camera is verified working, remove the front lens by unscrewing it counter-clockwise and remove the surface mount bracket then reattach the front lens and use the flush mount hardware to install.

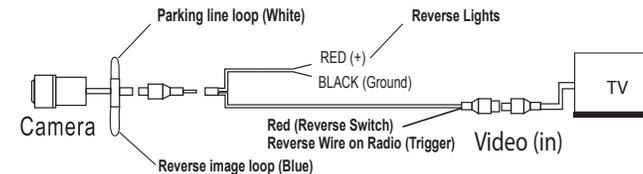
## IV. Connection

### Rearview Mirror



- 1) Connect the RED wire to the +12 volt reverse wire of the vehicle.
- 2) Connect the BLACK wire to ground (a metal, non-painted surface).
- 3) Connect the GREEN wire to the reverse trigger wire (RED wire coming from YELLOW video rca) on camera. (The rearview mirror uses this to sense reverse and transmits a video signal to the mirror).

### Camera



- 1) Connect the RED wire to the +12 volt reverse wire of the vehicle.
- 2) Connect the BLACK wire to ground (a metal, non-painted surface).
- 3) Run video cable through vehicle, up to video display. (Avoid placing video cable where it can get pinched or damaged).
- 4) Attach the YELLOW video rca to the reverse camera input of the mirror; connect the RED wire coming from the YELLOW video rca to the reverse trigger wire on the mirror.

**NOTE:** The camera comes with the parking assist lines and a normal image view active. If you want to remove the parking lines or change the image to reverse image, follow the steps below:

- A) Disconnect power to the camera
- B) Cut the WHITE loop to remove the parking assist lines, isolate and tape the wires
- C) Cut the BLUE loop to reverse the image, isolate and tape the wires
- D) Reconnect power to the camera

If the parking assist lines are wanted or the image needs to go back to normal, just follow the steps above and reconnect the wires.

## V. Bluetooth Functions

- 1) Connection: Turn on the mirror monitor, activate the Bluetooth function of your mobile phone, then search the pairing device and find CAR BT. Select CAR BT, (no pairing code required) and after 2-3 seconds the monitor will have the word CONNECTED in the center of the screen and the pairing of devices will be complete.
- 2) Caller ID Display, answering & ending: After connection, when the connected mobile phone has an incoming call, the signal goes automatically to the mirror monitor and caller's number is displayed on the screen, the mobile phone's ring will be routed through the speaker of the mirror. Press AV1/AV2 button once to answer the phone, and again to end the call.
- 3) Disconnection & Reconnection: Both the mirror monitor and mobile phone must be ON and connected.