Instruction Manual

Backup Camera System with GPS Navigation (3 Channel)

RVS-7700

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NOTE!

Please read all of the installation instructions carefully before installing the product. Improper installation will void manufacturer’s warranty.

Congratulations on purchasing a Rear View Backup Camera System!

With this manual you will be able to properly install and operate the unit.

The Backup Camera System is intended to be installed as a supplement aid to your standard rear view mirror that already exists in your vehicle. The Backup Camera System should not be used as a substitute for the standard rear view mirror or for any other mirror that exists in your vehicle.

In some jurisdictions, it is unlawful for a person to drive a motor vehicle equipped with a TV viewer or screen located forward of the back of the driver’s seat or in any location that is visible, directly or indirectly, to the driver while operating the vehicle.
Please read the entire manual and follow the instructions and warnings carefully. Failure to do so can cause serious damage and/or injury, including loss of life. Be sure to obey all applicable local traffic and motor vehicle regulations as it pertains to this product. Improper installation will void manufacturer’s warranty.

**USAGE:**

- The Rear View Camera System is designed to help the driver safely detect people and/or objects, helping to avoid damage or injury. However, you the driver, must use it properly. Use of this system is not a substitute for safe, proper or legal driving.

- Never back up while looking at the monitor alone. You should always check behind and around the vehicle when backing up, in the same way as you would if the vehicle did not have the Rear View Camera System. If you back up while looking only at the monitor, you may cause damage or injury. Always back up slowly.

- The Rear View Camera System is not intended for use during extensive back-up maneuvers or backing into cross traffic or pedestrian walkways.

- Please, always remember, the area displayed by the Rear View Camera System is limited. It does not display the entire panorama that is behind you.
**INSTALLATION:**

- Electric shock or product malfunction may occur if this product is installed incorrectly.

- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.

- Take special care when cleaning the monitor.

- Make sure to firmly affix the product before use.

- If smoke or a burning smell is detected, disconnect the system immediately.

- Where the power cable may touch a metal case, cover the cable with friction tape. A short circuit or disconnected wire may cause a fire.

- While installing the Rear View System be careful with the wire positioning in order to avoid wire damage.

- The Rear View System should only be used when the vehicle is in reverse.

- Do not watch movies or operate the monitor while driving; as it may cause an accident.

- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.

- Dropping the unit may cause possible mechanical failure.
If you have questions about this product, contact:

Rear View Safety
1797 Atlantic Avenue
Brooklyn, NY 11233
Tel: 1.800.764.1028

IN NO EVENT SHALL SELLER OR MANUFACTURER BE LIABLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.
Before drilling please check that no cable or wiring is on the other side of the wall. Please clamp all wires securely to reduce the possibility of them being damaged while vehicle is in use. Keep all cables away from hot or moving parts and electrical noisy components.

_We recommend doing a benchmark test before installation to insure that all components are working properly._

Step 1: Choose the monitor and camera locations.

Step 2: Install all cables in vehicle, when necessary a 0.8 (20mm) hole should be drilled for passing camera cable through vehicles walls. Install split grommets where applicable.

Step 3: Once all cables and wiring have been properly routed, perform a system function test by temporarily connecting the system.
Precautions For Use Of Monitor

I. The Monitor is made of glass and plastic. Do not subject it to a mechanical shock by dropping it from a high place, etc.

II. Do not apply excessive force to the monitor surface or the adjoining areas since this may cause the color tone to vary.

III. Clean with a soft dry cloth and/or Windex only.

IV. Do not attempt to disassemble the mirror monitor.

Safety

• Before drilling make sure no cable or wire is on the other side.
• Feed as much cable as possible into vehicle & clamp securely. This reduces the possibility of cable being hooked or snagged.
**IN THE BOX**

<table>
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<th>7” TFT LCD Monitor With GPS</th>
<th>130° Backup Camera</th>
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<td>3 Port Power Harness</td>
<td>Monitor Mount</td>
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<td>GPS Module</td>
<td>66’ Camera Cable</td>
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MONITOR INFORMATION

1. CAM - Channel Switch
2. M/N - Normal/Mirror, Day/Night Mode (Long Press)
3. Power - Turn Monitor On/Off
4. Menu - Visit Menu
5. Down - Toggle Menu Function Down, Decrease Volume
6. Up - Toggle Menu Function Up, Increase Volume

- 7” TFT LCD Digital Color Touch Display
- GPS Navigation with Sygic Maps
- 3 Channel Power Harness - Supports 3 Cameras
  - Built-in Speaker For Camera Mic
- Touch Screen - Monitor Functions Controlled Simply By Touch
Monitor Specifications

Type: TFT LCD
Screen Size: 7”
Aspect Ratio: 16:9
Video Input: 3 Channel
Trigger Capacity: 3 Triggers
Video System: Auto PAL/NTSC
Resolution: 800 X RGB X 480
Brightness: 450cd/m2
Power Supply: 9-36V DC
Audio: Built-in Speaker
Operating Temperature: -20°C ~ +70°C RH 95% Max
Storage Temperature: -30°C ~ +80°C RH 95% Max
Press the Navigation icon on the interface or ‘SRC’, ‘GPS’ on the panel to switch to navigation mode.
Navigation Setup

Click on the Navigate setup icon to enter the interface shown below.

GPS Monitor

Click on the Navigate setup icon to enter the interface shown below.

1. Satellite dataflow
2. Satellite number & signal intensity
3. Longitude, latitude, time
**Usual Setting**

Press the Usual Setting icon to enter the interface shown below. Press the arrow icons to change the settings.

![Usual settings interface](image)

**Touch Screen**

Press the Touch Screen icon to enter the calibration interface. Follow the screen prompt, pressing the center of the cursor until it moves to the top left, lower left, lower right and top right respectively.

Once the calibration is completed, you will return the calibration interface. The monitor is now calibrated. It is not necessarily to calibrate before every use.
**Volume**

Click on the Volume icon to enter the interface shown below. Press the arrows to change settings.

![Volume interface](image)

**Time**

Click on the Time icon to enter the interface shown below. Press the arrows to change settings.

![Time interface](image)
**System Message**

Press the System icon to enter the system interface. Choose from the settings as shown below.

![System Message Interface](image)

**Entertainment**

Click on the Entertainment icon to enter the interface shown below. Choose from Music/Movie/E-Book/Picture.

![Entertainment Interface](image)
Camera Dimensions

- 18 Infra-red illuminators (enables you to see in total darkness)
- 1/4 Sharp® color CCD, 250k pixels, 2.1 mm wide lens with 130° angle
- Shock resistant with a 20G Vibration and 100G impact rating
- Built-in high gain microphone
**Camera Specifications**

SENSOR 1/4” SHARP® COLOR CCD

PICTURE ELEMENTS 250,000 PIXELS

GAMMA CORRECTION R=0.45 TO 1.0

IMAGE SENSOR 600 TV LINES, PAL: 500 (H) X 582 (V) NTSC: 510 (H) X 492 (V)

LENSE 2.1MM

VIEW ANGLE 130°

WATERPROOF RATING IP69K

SYNC SYSTEM INTERNAL SYNCHRONIZATION

INFRA-RED DISTANCE 50 FEET (18 INFRARED)

USABLE ILLUMINATION 0 LUX (IR ON)

POWER SOURCE DC 12V-24V (+/- 10%)

S/N RATIO MORE THAN 48DB

ELECTRONIC IRIS 1/50, 160-1/100,000SEC

VIDEO OUTPUT 1VP - P, 75 Ω

IR SWITCH CONTROL ACDS AUTOMATIC CONTROL

VIBRATION AND SHOCK RATING 20G / 100G

OPERATING TEMPERATURE -40°C ~ +80°C / RH 95% MAX

STORAGE TEMPERATURE -40°C ~ +60°C / RH 95% MAX

NET WEIGHT 22OZ
ONE YEAR WARRANTY

REAR VIEW SAFETY, INC. WARRANTS THIS PRODUCT AGAINST MATERIAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. WE RESERVE THE RIGHT TO REPAIR OR REPLACE ANY SUCH DEFECTIVE UNIT AT OUR SOLE DISCRETION. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR A DEFECT IN THE SYSTEM AS A RESULT OF MISUSE, IMPROPER INSTALLATION, DAMAGE OR MISHANDLING OF THE ELECTRONIC COMPONENTS. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND.

THIS WARRANTY IS VOID IF: DEFECTS IN MATERIALS OR WORKMANSHIP OR DAMAGES RESULT FROM REPAIRS OR ALTERATIONS WHICH HAVE BEEN MADE OR ATTEMPTED BY OTHERS OR THE UNAUTHORIZED USE OF NONCONFORMING PARTS; THE DAMAGE IS DUE TO NORMAL WEAR AND TEAR, THIS DAMAGE IS DUE TO ABUSE, IMPROPER MAINTENANCE, NEGLECT OR ACCIDENT; OR THE DAMAGE IS DUE TO USE OF THE REAR VIEW SAFETY, INC. SYSTEM AFTER PARTIAL FAILURE OR USE WITH IMPROPER ACCESSORIES.

WARRANTY PERFORMANCE

DURING THE ABOVE WARRANTY PERIOD, SHOULD YOUR REAR VIEW SAFETY PRODUCT EXHIBIT A DEFECT IN MATERIAL OR WORKMANSHIP, SUCH DEFECT WILL BE REPAIRED WHEN THE COMPLETE REAR VIEW SAFETY, INC. PRODUCT IS RETURNED, POSTAGE PREPAID AND INSURED, TO REAR VIEW SAFETY, INC. OTHER THAN THE POSTAGE AND INSURANCE REQUIREMENT, NO CHARGE WILL BE MADE FOR REPAIRS COVERED BY THIS WARRANTY.

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DISCLAIMER

REAR VIEW SAFETY AND/OR ITS AFFILIATES DOES NOT GUARANTEE OR PROMISE THAT THE USER OF OUR SYSTEMS WILL NOT BE IN/PART OF AN ACCIDENT OR OTHERWISE NOT COLLIDE WITH AN OBJECT AND/OR PERSON. OUR SYSTEMS ARE NOT A SUBSTITUTE FOR CAREFUL AND CAUTIOUS DRIVING OR FOR THE CONSISTENT ADHERENCE TO ALL APPLICABLE TRAFFIC LAWS AND MOTOR VEHICLE SAFETY REGULATIONS. THE REAR VIEW SAFETY PRODUCTS ARE NOT A SUBSTITUTE FOR REARVIEW MIRRORS OR FOR ANY OTHER MOTOR VEHICLE EQUIPMENT MANDATED BY LAW. OUR CAMERA SYSTEMS HAVE A LIMITED FIELD OF VISION AND DO NOT PROVIDE A COMPREHENSIVE VIEW OF THE REAR OR SIDE AREA OF THE VEHICLE. ALWAYS MAKE SURE TO LOOK AROUND YOUR VEHICLE AND USE YOUR MIRRORS TO CONFIRM REARWARD CLEARANCE AND THAT YOUR VEHICLE CAN MANEUVER SAFELY. REAR VIEW SAFETY AND/OR ITS AFFILIATES SHALL HAVE NO RESPONSIBILITY OR LIABILITY FOR DAMAGE AND/OR INJURY RESULTING FROM ACCIDENTS OCCURRING WITH VEHICLES HAVING SOME OF REAR VIEW SAFETY PRODUCTS INSTALLED AND REAR VIEW SAFETY AND/OR ITS AFFILIATES, THE MANUFACTURER, DISTRIBUTOR AND SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INTENDED USE OF THE PRODUCT. IN NO EVENT SHALL REAR VIEW SAFETY AND/OR ITS AFFILIATES HAVE ANY LIABILITY FOR ANY LOSSES (WHETHER DIRECT OR INDIRECT, IN CONTRACT, TORT OR OTHERWISE) INCURRED IN CONNECTION WITH THE SYSTEMS, INCLUDING BUT NOT LIMITED TO DAMAGED PROPERTY, PERSONAL INJURY AND/OR LOSS OF LIFE. NEITHER SHALL REAR VIEW SAFETY AND/OR ITS AFFILIATES HAVE ANY RESPONSIBILITY FOR ANY DECISION, ACTION OR INACTION TAKEN BY ANY PERSON IN RELIANCE ON REAR VIEW SAFETY SYSTEMS, OR FOR ANY DELAYS, INACCURACIES AND/OR ERRORS IN CONNECTION WITH OUR SYSTEMS FUNCTIONS.
If you have any questions about this product, contact:

Rear View Safety, Inc.
1797 Atlantic Avenue
Brooklyn, NY 11233
800.764.1028

IT’S OUR GUARANTEE.