**TABLE OF CONTENTS**

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>03</td>
</tr>
<tr>
<td>Safety Information</td>
<td>04-05</td>
</tr>
<tr>
<td>Display Functions</td>
<td>06</td>
</tr>
<tr>
<td>System Introduction</td>
<td>07-08</td>
</tr>
<tr>
<td>System Adjustment</td>
<td>09-10</td>
</tr>
<tr>
<td>Reflective Film</td>
<td>11</td>
</tr>
<tr>
<td>Troubleshooting</td>
<td>12-13</td>
</tr>
<tr>
<td>Warranty</td>
<td>14</td>
</tr>
<tr>
<td>Disclaimer</td>
<td>15</td>
</tr>
</tbody>
</table>
NOTE!

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

Congratulations on purchasing a RVS-SA150 Heads Up Display

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

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.
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/moving parts and electrical noisy components.

_We recommend doing a benchmark test before installation to insure that all components are working properly._
1) Light sensor
2) Voltage icon
3) Driver fatigue alarm
4) Water temperature Icon
5) Speed unit (KM/H)
6) Speed unit (MPH)
7) RPM (1 circle is 200R)
8) Speaker (can be turned on/off)
9) Speed, water temperature, voltage (can be toggled)
HUD Installation
1. RVS-SA150 is compatible with OBDII/EUOBD vehicles (see below)
2. Find vehicle 16 pin diagnostic link and connect it to the Heads Up Display

HUD Function
1. OBDII cable input
2. Power button
3. Rotatable Control Switch
   A. Up button: Move control switch up
   B. Ok button: Press button
   C. Down button = Move control switch down
Vertically short press button:
Toggle water temperature, voltage, and speed icons

Pull down setting button (5 seconds):
toggle alarm volume on/off

Reset setting:
When the HUD is off long press the setting button/turn on HUD on. This resets settings

Clear the fault code:
Turn on the HUD and waiting for it scans the OBD2 program successfully, long pull up the setting button, full screen will be on, and it means clear the fault codes completed. Long pull up the button again to exit

Menu Setting:
The rotatable control switch can be moved in three ways: Up, Vertical, Down.

Vertical long press in (5 seconds) to enter the menu setting. Vertical short press to toggle menu option, toggle up/down the rotatable control switch to increase/decrease the parameter value. After adjustment, vertical long press (5 seconds) to save and exit.
<table>
<thead>
<tr>
<th>Menu</th>
<th>Parameters</th>
<th>Adjustment Range</th>
<th>Explanation</th>
<th>Default State</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Speed</td>
<td>50-150</td>
<td>Move up/down to toggle speed</td>
<td>107</td>
<td><img src="107.png" alt="Image" /></td>
</tr>
<tr>
<td>2</td>
<td>Brightness Adjustment</td>
<td>0-5</td>
<td>0: Auto brightness 5: Brightest</td>
<td>0</td>
<td><img src="0.png" alt="Image" /></td>
</tr>
<tr>
<td>3</td>
<td>Water Temp Alarm</td>
<td>50-150</td>
<td>Alarm will alert user when temp reaches 120</td>
<td>120</td>
<td><img src="120.png" alt="Image" /></td>
</tr>
<tr>
<td>4</td>
<td>Low Voltage Alarm</td>
<td>100-150</td>
<td>Alarm will alert user when voltage is less than 11v</td>
<td>120</td>
<td><img src="120.png" alt="Image" /></td>
</tr>
<tr>
<td>5</td>
<td>RPM Alarm</td>
<td>10-75</td>
<td>HUD gives alarm when over 5000 rmp</td>
<td>50</td>
<td><img src="50.png" alt="Image" /></td>
</tr>
<tr>
<td>6</td>
<td>Speed Alarm</td>
<td>0-199</td>
<td>If default value is changed, there are 3 levels of alarms (50, 80, 120)</td>
<td>150</td>
<td><img src="150.png" alt="Image" /></td>
</tr>
<tr>
<td>Menu</td>
<td>Parameters</td>
<td>Adjustment Range</td>
<td>Explanation</td>
<td>Default State</td>
<td>Display</td>
</tr>
<tr>
<td>------</td>
<td>---------------------</td>
<td>------------------</td>
<td>-------------------------------------------------------</td>
<td>---------------</td>
<td>---------</td>
</tr>
<tr>
<td>7</td>
<td>Driver Fatigue</td>
<td>0-10</td>
<td>0 is off. 4 will give user an alarm every 4 hours</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Speed Unit</td>
<td>1-2</td>
<td>1: KM 2: MPH</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Power on Voltage</td>
<td>0-150</td>
<td>If HUD cannot power off, adjust to 13.2 - 14.0 v</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Delayed Shutdown</td>
<td>10-180</td>
<td>Alarm will alert user when voltage is less than 11v</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
Reflective Film Installation

Follow these instructions if a double image appears when installed.

1. Place the mounting mat in the desired position on the dashboard with the HUD on top.

2. Observe where the HUD reflects & place the reflective film in position.
   
   A. Ensure the surface is clean and dry before installing the film
   B. Remove the back protective side marked (1) and attach the film to the clean windscreen
   C. Once you’re satisfied with the location use a credit card or similar object to remove any remaining air bubbles
   D. Remove the front side marked (2), if you need to adjust the HUD’s reflection, reposition using the mounting mat
Troubleshooting

1. **No display**
   Start the car engine, check if the OBD cable line. Test car OBD diagnostic interface.

2. **When HUD power on, HUD only shows the car voltage and auto powers off after 30 seconds**
   HUD just available for OBD2/EU-OBD vehicles

3. **Difficult to see HUD**
   Check if HUD host surface protective film is torn. Toggle brightness.

4. **Inaccurate data**
   Reset device

5. **Inaccurate Speed**
   a. Confirm speed unit
   b. Vertical press the setting button for 5 seconds to enter into the menu options, find menu 1, the parameter will show 107, toggle the setting button to increase/decrease the value according to the difference until it shows correct one. After adjustment, vertical press in 5 seconds to save it.
6. Setting for Automatic start/stop system
The default value for HUD shutdown time is 10 seconds. When the car is gas-electric hybrid and automatic start/stop system, you can delay the shutdown time in menu 10 (Between 10 seconds to 180 seconds.) If still not working set voltage at 13.2v or 13.6v, which automatically turns off when the car voltage is less then 13.2v.

7. HUD cannot power off or HUD can power off but re-starts
Change the menu 9 value to any of one between 13.2V and 140V.
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.

WARRANTY DISCLAIMERS

NO WARRANTY, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, OTHER THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS REAR VIEW SAFETY, INC. REAR VIEW SAFETY, INC. DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANT-ABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE AND ALL OTHER WARRANTIES IN NO EVENT SHALL REAR VIEW SAFETY. INC. LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OR FOR ANY COSTS, ATTORNEY FEES, EXPENSES, LOSSES OR DELAYS ALLEGED TO BE AS A CONSEQUENCE OF ANY DAMAGE TO, FAILURE OF, OR DEFECT IN ANY PRODUCT INCLUDING, BUT NOT LIMITED TO, ANY CLAIMS FOR LOSS OF PROFITS.
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.*