Thank you for purchasing the Sharper Image Heads Up Display for Car. This device is designed to reflect your vehicle’s computer information onto your windshield, offering a safer driving experience, day or night.

To ensure your unit is set up and functioning properly, it is very important that you read and follow this user manual and store it for future reference.

FEATURES
- “Plug and Play” connectivity with any OBD-II or EUOBD capable vehicle
- 5.5”, 5-color display
- Easy-to-read multicolor design
- Nanotechnology eliminates unwanted reflections
- NEW function: single driving mileage and time
- Displays a large number of car statistics, including speed, engine rotational speed, water temperature, battery voltage, instantaneous fuel consumption, average fuel consumption, mileage measurement, shift reminder, fatigued driver reminder, low voltage alarm, high temperature alarm, speed alarm, engine fault alarm, fault code elimination, and the ability to change units (i.e., km to miles)
- Automatically powers on and off with the vehicle
- Automatic and manual brightness control

UNIT DISPLAY INFORMATION
1. Light sensor: Automatically changes the unit’s display brightness as needed.
2. Rotational speed: Indicates the rotational speed of the engine.
3. Alarm icon panel (from left to right):
   - Shift reminder, over speed alarm, engine fault, fatigued driver reminder, buzzer.
4. Speed: Live speed.
5. Rotational speed units: indicates the units of rotational speed.
UNIT DISPLAY INFORMATION (CONT.)

6. Unit mark:
   MPH = Miles per hour
   KM/H = Kilometers per hour
   RPM = Rotations per minute


8. Secondary alarm icon panel (from left to right): engine temperature alarm, battery voltage alarm, over speed alarm

9. Unit mark (left to right, top to bottom):
   Temperature in °Celsius
   Temperature in °Fahrenheit
   Kilometers
   V = Voltage
   M = Miles

10. Multifunction display window: Voltage, Mileage, Water temperature

11. Fuel consumption unit mark:
    MPG = Mile per Gallon
    G/H = Gallon/hour

12. Fuel consumption display: fuel consumption with adjustable units of measurement as above.

13. Fuel consumption logo

CONTROLS

1. OBDII cable input
2. Power button
3. Three-way Wave button:
   Up button = up motion
   OK button = inward button press
   Down button = down motion

Functions for Wave button [hold device so button is on the left]:

a. Short pull up: increases parameter values after entering menu settings.

b. Short pull down: decreases parameter values after entering menu settings.

   [Note: after entering the settings menu, vertical short press to increase the menu.]

d. Long pull down: turns alarm sound on or off.

e. Vertical long press (5 seconds): enters into settings menu [menu 0-16]. As noted above in line c, after entering the settings menu, vertical short press to scroll through the different menus, from 0 to 16. After finishing adjustments, vertical long press in [5 seconds] to save and exit.
CONTROLS [CONT.]

Vertically press the OK button
You can switch the display information between water temperature, battery voltage, mileage, default power. After a successful scan, you can display mileage.

Long pull down the Wave button for 5 seconds and the alarm buzzer icon will turn off. Long pull down the Wave button for 5 seconds again, and the alarm buzzer icon will turn on.

Engine fault code clearance
When the Heads Up Display is connected to your car, please do not start the car. Put the key to “ON,” and wait for the Heads Up Display to shut down. Then long pull down the Wave button for 5 seconds. You will hear a “beep” sound from the Heads Up Display, which means clearing the fault codes has been completed.

System reset
Vertically long press 5 seconds to enter into menu settings. Short press 16 times to find menu 16. Short pull down to parameter 1. Long press in 5 seconds to save after adjustment.

SETTING MODE

A vehicle’s instrument cluster has an “offset value,” meaning the value displayed on the factory instrument cluster is slightly higher than that computed by the vehicle. This offset value is different for different vehicle manufacturers. As a result, we have built in our own offset from a large range of test data. If you find the value on your dashboard is different from the value displayed by the Heads Up Display, you can change it through the following procedure:

Enter the setting mode by holding the Wave button down for 5 seconds.

Wave button functions:
Press inwards = OK button - Scroll down = down button - Scroll up = up button

Once in the setting mode, press the OK button to advance through the screens [see below], and the scroll buttons to adjust the parameters. The screen number you’re in is displayed in the top right hand corner.

Once you are finished, exit out of the setting menu by holding down the Wave button again for 5 seconds.
<table>
<thead>
<tr>
<th>Menu #</th>
<th>Parameter</th>
<th>Adjustment Range</th>
<th>Explanation</th>
<th>Default Value</th>
<th>Setting State</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Speed</td>
<td>50-150</td>
<td>When the speed is not the same as dashboard: Scroll up or down with the Wave button to adjust.</td>
<td>107</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>RPM</td>
<td>50-150</td>
<td>When the RPM is not the same as dashboard: Scroll up or down with the Wave button to adjust.</td>
<td>117</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Fuel consumption</td>
<td>50-150</td>
<td>When fuel consumption is not the same as dashboard: Scroll up or down with the Wave button to adjust.</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>RPM alarm</td>
<td>10-75</td>
<td>When RPM reaches 5000, the Heads Up Display will sound the RPM alarm.</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Shift reminder</td>
<td>0-75</td>
<td>When RPM reaches 5000, the Heads Up Display will sound the RPM alarm.</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>
### MENU SETTINGS (CONT.)

<table>
<thead>
<tr>
<th></th>
<th>Feature</th>
<th>Setting</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Four-stage alarm</td>
<td>0-1</td>
<td>0 for turn off, 1 for turn on the four-stage alarm [38 MPH, 50 MPH, 63 MPH, 75 MPH]. Speed alarm shows up when it reaches above four speed.</td>
</tr>
<tr>
<td>6</td>
<td>Single-stage alarm</td>
<td>30-250</td>
<td>Over speed alarm sounds when the vehicle speed exceeds 94 MPH.</td>
</tr>
<tr>
<td>7</td>
<td>Display mode</td>
<td>0-3</td>
<td>0 is automatic mode: when speed below 50 MPH, the Heads Up Display shows all information. When speed is over 50 MPH, the Heads Up Display is in High Speed mode. 1 = display all information, 2 = high speed mode. [High speed mode only displays speed and fuel consumption]. 3 = use voltage to control power on/off [for gas - electric hybrid vehicles].</td>
</tr>
<tr>
<td>8</td>
<td>Brightness adjustment</td>
<td>0-2</td>
<td>0 is automatic adjustment. 1 is darkest. 2 is brightest.</td>
</tr>
<tr>
<td>9</td>
<td>Fuel consumption unit</td>
<td>0-2</td>
<td>0 is no display, 1 is G/H, 2 is MPG.</td>
</tr>
</tbody>
</table>
### MENU SETTINGS (CONT.)

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Speed unit</td>
<td>0-2</td>
<td>0 is RPM, 1 is KM, 2 is MPH</td>
</tr>
<tr>
<td>11</td>
<td>Water temperature unit</td>
<td>1-2</td>
<td>1 is °C, 2 is °F.</td>
</tr>
<tr>
<td>12</td>
<td>Mileage Unit</td>
<td>0-1</td>
<td>Switches between KM and Mile. 0 is single driving in KM, 1 is single driving in Miles.</td>
</tr>
<tr>
<td>13</td>
<td>Reference fuel consumption</td>
<td>10-500</td>
<td>Default 70 means fuel consumption coefficient is 7.</td>
</tr>
<tr>
<td>14</td>
<td>Emission setting</td>
<td>10-100</td>
<td>The default car emission is 16 (means 1.6). If there is no display fuel consumption, please adjust the default value to 0.</td>
</tr>
<tr>
<td>15</td>
<td>Reference start voltage</td>
<td>110-150</td>
<td>The Heads Up Display will automatically turn on when voltage above 13.2V, and automatically turns off when voltage is below 13.2V.</td>
</tr>
</tbody>
</table>
HEADS UP DISPLAY INSTALLATION PROCEDURE

1. Ensure your vehicle is OBDII compatible or EUOBD.
   · Check around the area under the steering wheel for an OBD plug.
   · Contact your vehicle manufacturer or search online.
   · Open the hood and look for an OBDII compatible sticker (this is NOT on all OBDII compatible cars, therefore it isn’t a deciding factor).

2. Locate the 16-pin diagnostic link (see below picture). This is usually located in the area under the steering wheel. Plug in the Heads Up Display.

3. Start the vehicle’s engine and ensure the power switch is in the ON position.
   · The Heads Up Display will power on with engine.
   · If the Heads Up Display displays vehicle voltage, fuel consumption, speed and rotational speed, the unit has installed correctly.
   · Failing the above: Wait up to one minute for software to sync and confirm OBD cable is plugged in properly.

REFLECTIVE FILM INSTALLATION

Using the unit without the reflective film may result in a double image observed by the user depending on the windshield. If you see a double layer it is due to the windshield’s dual-layer construction, and you should install the film by following the instructions below.

· Ensure the surface is clean and dry before installing the film.
· Remove the back protective side marked [1] and attach the film to the clean windshield.
· Once you’re satisfied with the location, use a credit card or similar to remove any bubbles or air pockets that remain.
· Remove the front side marked [2]. If you need to adjust the Heads Up Display’s reflection, reposition the device on the nonslip mat.
TROUBLESHOOTING COMMON PROBLEMS

The Heads Up Display screen has no display, and no power.
Check the power cable and the OBD cable to make sure they are connected properly. If the device still does not power on, try it in another vehicle to see if the problem is your ODB port.

The Heads Up Display screen only shows voltage, and automatically powers off after 30 seconds.
The Heads Up Display is only available for cars with OBDII and EOBD agreement (US region: after 2003, other regions: after 2007). If the Heads Up Display can only display voltage, it means your car does not have the OBDII protocol.

The Heads Up Display is blurry, double reflected or washed out in sunlight.
Makes sure the protective film is installed on your windshield.

The Heads Up Display Malfunctions
Perform a system reset. Power on the device and vertical press in the Wave button for 5 seconds to enter the menu option. Short press several times to the menu 16. Pull down the Wave button to parameter 1. Vertical press in 5 seconds to save.

The Heads Up Display shows an inaccurate speed
a. First, check to make sure the speed unit is correct [KM/H or MPH]. Short press in the Wave button to switch between KM/H and MPH.
b. When the Heads Up Display is powered on, vertical press the Wave button 5 seconds to enter into the menu options. The speed menu is #0. The default setting for this menu is 107. Press the Wave button up or down to increase or decrease the value until it shows the correct one. After adjusting, vertical press in 5 seconds to save it.

The Heads Up Display shows an inaccurate RPM
When the Heads Up Display is powered on, vertical press the Wave button 5 seconds to enter into the menu options. Go to menu #1. The Default setting is 117. Press the Wave button up or down to increase or decrease the value. After adjusting, vertical press in 5 seconds to save it.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Environment temperature</th>
<th>-40°C to +80°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barometric press</td>
<td>86-106KPa</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>10%-95%</td>
</tr>
<tr>
<td>Environment voice</td>
<td>&lt;=60dB</td>
</tr>
<tr>
<td>Alarm of sound level</td>
<td>&gt;=30dB[A]</td>
</tr>
<tr>
<td>Work voltage</td>
<td>9V~16Vdc(12Vdc/400mA)</td>
</tr>
<tr>
<td>Size of product</td>
<td>12.5<em>7.5</em>1.5 (cm)</td>
</tr>
<tr>
<td>Weight of product</td>
<td>110g</td>
</tr>
</tbody>
</table>
TROUBLESHOOTING COMMON PROBLEMS (CONT.)

The Heads Up Display shows an inaccurate fuel consumption
The unit for fuel consumption is MPG, the Heads Up Display display is the single driving fuel consumption, while car display is Integrated average driving fuel consumption, so it is normal if there are differences.

The Heads Up Display display three kinds of fuel consumption
a. Idle mode: the Heads Up Display shows instantaneous fuel consumption per hour (G/H), it means the Heads Up Display can figure out how much fuel the car will consume after start engine in one hour.
b. Driving mode: the Heads Up Display shows instantaneous fuel consumption of MPG.
c. Finish driving: the Heads Up Display display is average fuel consumption of MPG. When you turn off the car, the Heads Up Display will auto turn off in 10 seconds.

While it is powered on, vertical press the Wave button 5 seconds to enter into menu option, short press to find menu 14. The default value is 16 (meaning the emission is 1.6). Cycle up or down with the Wave button to increase or decrease the value according to the difference with your car emission until it shows correctly. Vertical press in 5 seconds to save and exit. Alternately, you may use menu 2 (fuel consumption).

The Heads Up Display does not show fuel consumption
The Heads Up Display shows fuel consumption by reading a sensor. If your car does not have the fuel consumption protocol, the Heads Up Display cannot scan the fuel consumption, so the Heads Up Display will display 0. However, you can use air flow to figure out the fuel consumption. The method is: enter into the setting menu, and find menu 14. Press up or down the Wave button to adjust the default value from 16 to 0, then the Heads Up Display will display fuel consumption. Vertical press in 5 seconds to save and exit.

Over speed alarm
The Heads Up Display default over speed alarm value is 94, it can be adjusted.
Under the condition with power, vertical press in the Wave button 5 seconds to enter into menu option, short press 6 time to menu 6, parameter 94, here 94 means over when driving speed reach 94, Heads Up Display will give over speed alarm, up or down the Wave button to increase or decrease the value. Vertical press in 5 seconds to save after adjustment.

How can see the average fuel consumption?
When the car is turned off, the Heads Up Display shows the average fuel consumption MPG.

The Heads Up Display does not automatically power off
Vertical press in 5 seconds to enter into menu setting. Short press 15 times to menu 15. The default value is 132. Cycle up or down with the Wave button to adjust the default value to 135. Vertical press in 5 seconds to save and exit.
TROUBLESHOOTING COMMON PROBLEMS (CONT.)

The Heads Up Display cannot be automatically powered off in cars with Start Stop function
Vertical short press the Wave button 5 seconds to enter into menu setting. Vertical short press 7
times to menu 7. The default parameter is 1. Cycle up or down with the Wave button to adjust the
default value to 3 (3 is for voltage control switch for start-stop car). Vertical press in 5 seconds to
save and exit.

The Heads Up Display cannot be automatically powered on
Vertical press in 5 seconds to enter into menu setting, short press 15 times to menu 15. The default
parameter is 132. Cycle up or down to change it to 128. Vertical press in 5 seconds to save and exit.

Note: This device is not compatible with
BMW 520 diesel 2009
Chevrolet Lacetti 2005
Chevrolet Silverado 2004
Chevrolet Suburban 2005
Chevrolet Vivant 2007
Dodge Durango 2004
Dodge Neon SRT-4 2004
Ford Taurus 2003
Honda AccordV6 2010
Honda CR-V 2008
Honda Jazz 14
Hyundai i20 2012
Hyundai Santa Fe 2013
Hyundai Sonata 2013
Jaguar XF 2011
Kia Morning 2008
Mitsubishi Mirage 2015
Nissan Evalia 2014
Nissan G11 2009
Nissan Livina 2008
Nissan Murano 2007
Nissan Note 2006
Perodua MyVi Lagi Best 2012
Perodua Viva
Perodua Alza
Pontiac GrandAm 2004
Renault Clio 2 Phase 2 1.5 dci
Tata Indica v2 2008
Toyota Altis 2008
Toyota Altis 2016
Toyota Fortuner 2014
Toyota Hilux Vigo 2015
Toyota Hilux vigo 4x4 2013
Toyota Porte 2009
Toyota Reiz
Volvo XC60 2005
Volvo XC90 2007

WARRANTY / CUSTOMER SERVICE
Sharper Image branded items purchased from SharperImage.com include a 1-year limited
replacement warranty. For customer service, please call 1 (877) 210-3449.

SHARPER IMAGE®
The SHARPER IMAGE® name and logo are registered trademarks.
©Sharper Image. All Rights Reserved.