

# **RYDEEN**®

find your road



## **Owner's Manual**

**SV747HD**

**HD Full Screen Rearview Mirror with Rear Camera**

**V1.0**

## WARNINGS

- **THE FOLLOWING INSTRUCTIONS ARE INTENDED FOR AUTHORIZED RYDEEN MOBILE INSTALLERS ONLY.**
- **PROFESSIONAL INSTALLATION BY AUTHORIZED RYDEEN RETAILER REQUIRED TO BE COVERED UNDER WARRANTY.**
- Dropping your SV747HD unit or subjecting it to excessive shock and vibrations as this may cause it to malfunction and is not covered by warranty.
- **The MIRROR UNIT of SV747HD IS NOT WATERPROOF.** Avoid exposing it to rain or other forms of excessive moisture. **Water damage is not covered under the warranty.**

## 1. Specification

| Rearview Mirror Specification |                |                                  |               |
|-------------------------------|----------------|----------------------------------|---------------|
| Screen size                   | 7.36 inch      | Video channel                    | 3 inputs      |
| Resolution                    | 1280*400       | Video signal                     | AHD/Analog    |
| Aspect ratio                  | 16:5           | Screen auto-brightness           | Yes           |
| Nominal voltage               | DC12V          | Remote control                   | Yes           |
| Range of operational voltage  | DC10.5---16V   | Range of operational temperature | - 20℃--- +70℃ |
| Maximum power consumption     | ≤9W            | Range of storage temperature     | - 30℃--- +80℃ |
| Rear Camera Specification     |                |                                  |               |
| Sensor                        | 1/3 inch CMOS  | Digital WDR                      | Yes           |
| Resolution                    | 1280*720P      | HLC                              | Yes           |
| Pixel                         | 1.0 mega pixel | 3D DNR                           | Yes           |
| Minimum illumination          | <0.1 LUX       | DEFOG                            | Yes           |
| Image                         | Mirror image   | S/N Ratio                        | 46.4db        |
| Waterproof                    | IP67           | Range of operational temperature | - 30℃--- +70℃ |
| AGC                           | Auto           | Range of storage temperature     | - 30℃--- +80℃ |

## 2. Installation

- 1) Remove existing mirror from vehicle.
- 2) If existing mirror tab is D-tab style mount SV747HD mirror to windshield and go to step 3. If original mirror is not D-tab style or headliner mount go to step 2a.
- 2a) Locate the supplied D-tab and the rearview mirror adhesive and install on windshield as per adhesive instructions.

**Note: DO NOT ATTEMPT TO REMOVE THE EXISTING TAB AS DAMAGE TO THE WINDSHIELD MAY OCCUR**

3) Remove the knee bolster on the driver side as well as the A-pillar cover (it may also be necessary to remove the sun visor and maybe even the overhead console in order to freely route the power harness from the knee bolster to the mirror connector).

4) Connect the power harness to the mirror and use supplied mirror harness wire cover in order to neatly route the cable up the windshield to the headliner.

5) Reassemble all above covers and make connections at knee bolster.

### 3. Wiring

**RED-** 12V+ Ignition

**BLACK-** Chassis Ground

**PURPLE-** Reverse Trigger

**GREEN-** Right Trigger

**BLUE-** Left Trigger

**RCA-** Video(Left)

**RCA-** Video(Right)

### 4. Rearview Mirror OSD Instructions



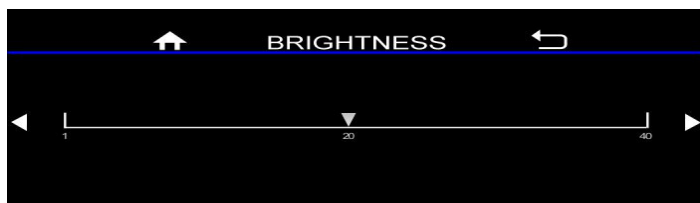
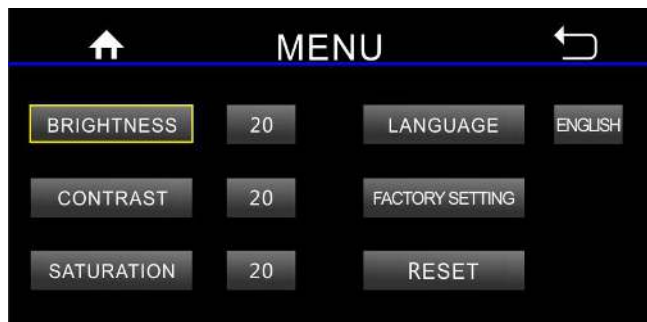
1) Touch any button of K1 ▲, K2 🏠, K3 ▼, K4 ⚙️, K5 M, K6 🔌, The touch button lights will turn on and the lights will turn off after 5 seconds of inactivity.

2) Touch K2 🏠 The backlight will light up and the Menu will appear. Touch K1 ▲ or K3 ▼ to select the sub-menu you need.



### 3) BRIGHTNESS SETTING

3.1 When selected the Sub-menu will highlight in yellow. When BRIGHTNESS is selected, touch K2  to get into brightness setting as following images show. Touch K1  or K3  to select the sub-menu you need.



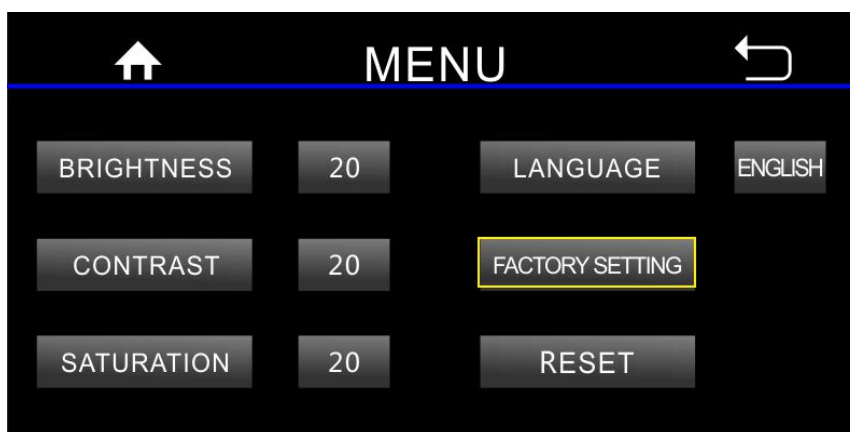
3.2 Select icon  or , and touch K2  to adjust the brightness value between 1 to 40.

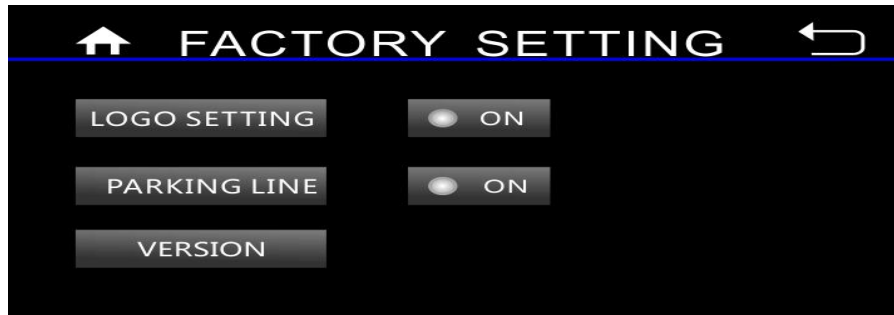
3.3 Select icon  and then touch K2 . The current setting will be saved automatically and back to the previous menu.

4) The CONTRAST and SATURATION setting are the same as BRIGHTNESS setting. LANGUAGE only ENGLISH version.

### 5) FACTORY SETTING

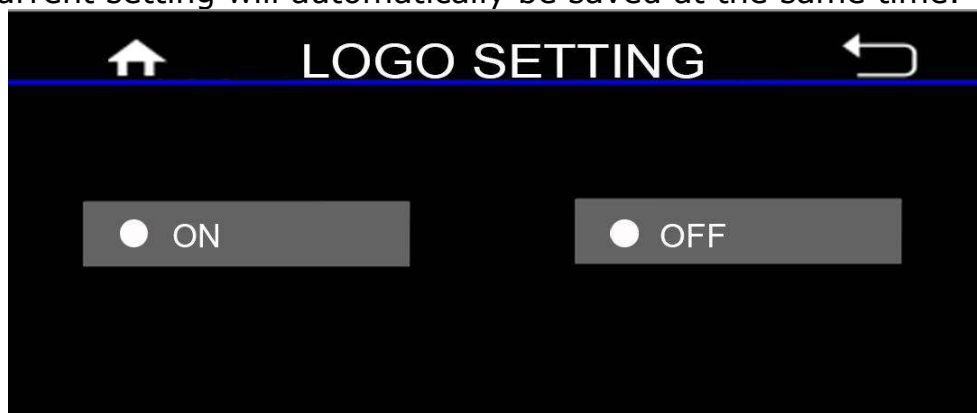
Firstly, select FACTORY SETTING to get into the sub-menu and then touch button K2  --K1  --K3  --K2  in order. This will allow you to get into FACTORY SETTING menu to set parking line, LOGO and Version. Touch K1  or K3  to select the sub-menu you need.





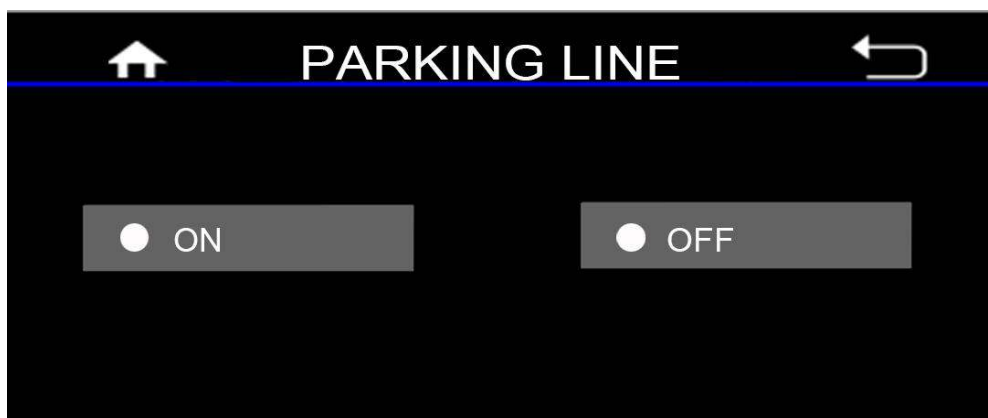
### 5.1 LOGO SETTING

Select LOGO SETTING and touch K2  to get into sub-menu and touch K1  or K3  select ON or OFF to turn on/off the logo. Select ON and touch K2  to get into sub-menu and select logo picture. Select  and touch K2  to return to previous menu and current setting will automatically be saved at the same time.



### 5.2 PARKING LINE SETTING

Select PARKING LINE touch K2  to get into the sub-menu, touch K1  or K3  to select ON or OFF in the menu, then touch K2  to confirm. This will allow you to turn on or turn off the parking line in rear view. Once selected press the icon  and touch K2  to return to previous menu and current setting will automatically save at the same time.



### 5.3 VERSION

Select VERSION and touch K2  to get into the sub-menu, then you can see the version information.

### 6) RESET SETTING

Select RESET and then touch K2 . The BRIGHTNESS, CONTRAST and SATURATION will reset to default. The default value is 20.

7) Touch K4  to set the brightness in three grades in cycle. The first grade is Brightness 30; the second grade is Brightness 20; the third grade is brightness 10.

8) When there is rear view image on the screen, touch K5  to switch the two modes in the driving mode or switch the 3 modes in the reversing mode. Please note, this button will not change your view between Driving mode or Reverse Mode

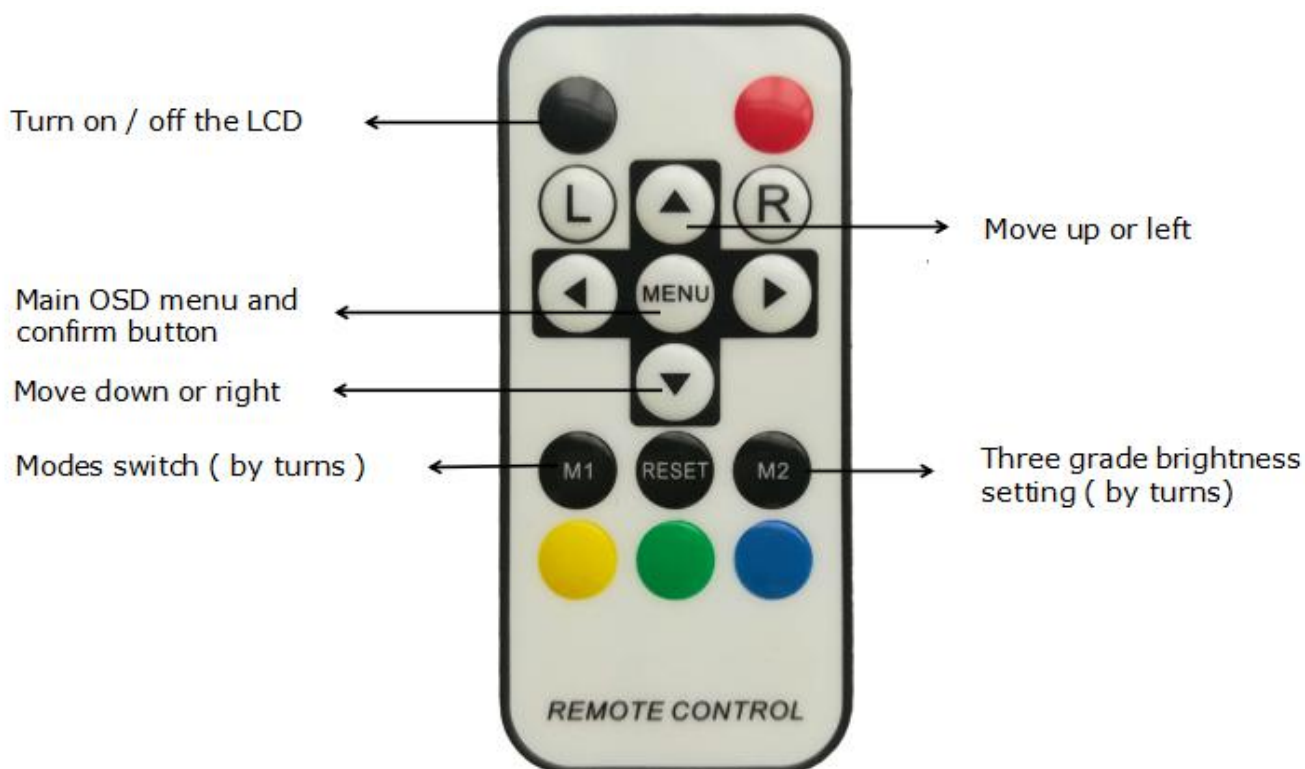
9) Touch K6  or physical button (K7) can turn on or turn off the LCD.

10) When the reverse trigger is working, the screen will show the reversing image. At this time, only K4 , K5  and physical button (K7) are available.

11) When the mirror monitor is power on, but the LCD screen turns off. At this time, only K6  and physical button (K7) are available.

12) The monitor is can adjust brightness automatically according to outer environment.

## 5. Remote Control Instruction



## 6. Display Modes

- 1) 3-way video inputs, AHD and analog compatible.
- 2) Left view is switched by left turn signal; right view is switched by right turn signal; rear view are switched by reverse trigger. Reverse display (backup view) is priority.
- 3) Driving display modes (Touch button K5 **M** to switch the two display modes). The default image in driving mode is zoom-in view mode. The display mode will keep the one you select. But, the display mode will return to default when the mirror restart.

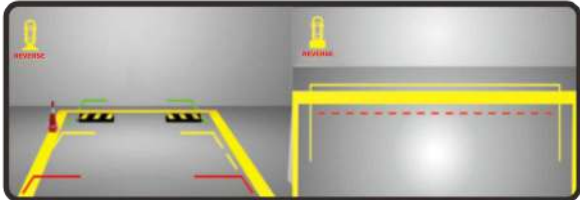


Zoom-in telephoto view (Default)

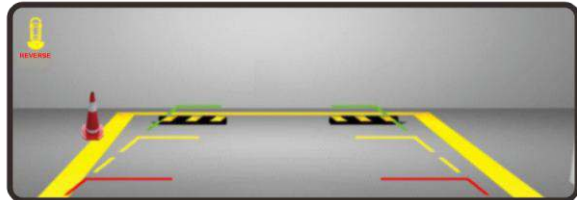


180-degree full view mode

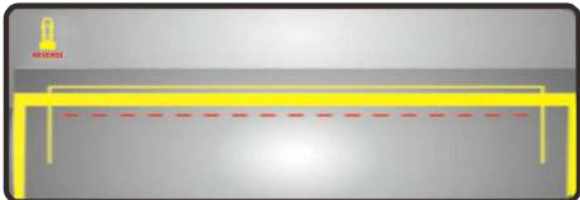
- 4) Reverse display modes (Touch MODE K5 **M** to switch between the three display modes.) Default image in reverse is split view mode. The display mode will keep the one you select. But, the display mode will return to default when the mirror restart.



130-degree view & top view (Default)



180-degree full view mode



Top view

### Reminder:

- The product comes with rear camera. Please use this camera for the rear video input. If connect to other RYDEEN cameras for rear video input, the picture will distort.
- If you take off the cameras when the mirror monitor is power-on, the mirror monitor may turn to green. If this occurs, please restart mirror, then it will recover image.
- If you connect the cameras when the mirror monitor is power-on, there may be no display. If this occurs please restart mirror to recover. It is better to connect the cameras first, and then turn on the mirror monitor.

## 7. Technical Support Contact Info

If you have other questions about the **RYDEEN products**, please contact your retailer or Technical Support:

- Telephone: **1-877-777-8811 (within USA only)**
- Email: **techdept@rydeenmobile.com**
- Web Address: **www.rydeenmobile.com**

## One Year Limited Warranty

Rydeen North America Inc. (a manufacturer of "Rydeen" products) warrants this product SV747HD only to the original purchaser as described following:

### Warranty Period

Rydeen warrants this product for a period of one (1) year from the original purchase date.

### Warranty Coverage

This warranty covers all defects in material and workmanship except as specified below.

1. Installation by anyone other than an authorized Rydeen Mobile Retailer voids the warranty.
2. Any products distributed outside of the USA by Rydeen North America Inc. (Rydeen) or which is not purchased in the USA or Canada unless the product is purchased through the USA Military Exchange Service.
3. Any product(s) which are purchased from an unauthorized retailer (in store or online).
4. Any products in which the serial number label or the model number label are removed, torn, modified or replicated.
5. Any damage defects or malfunctions resulting from any of following:
  - a) When defect occurs during shipment of product (freight carrier's responsibility).
  - b) Installation or removal of product.
  - c) Accidents, act of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow product owner's manual instructions.
  - d) Any repair or attempt to repair without RYDEEN authorization.
  - e) Any other cause which is not related to product defect.
  - f) Any cosmetic damages due to normal wear and tear.
  - g) Any consumable items (such as fuse or batteries).

If any problems develop with your Rydeen products during or after the Limited Warranty Period, or if you have any questions regarding the operation or installation of the product, you should contact your Rydeen retailer. If the problem or your question is not handled to your satisfaction, please contact Rydeen Customer Service Department at 1-877-777-8811 (within the USA only) Monday - Friday between 9:00 AM to 4:00 PM Pacific Standard Time or visit [www.rydeenmobile.com](http://www.rydeenmobile.com).



**[www.rydeenmobile.com](http://www.rydeenmobile.com)**

Rydeen North America Inc.  
dba Rydeen Mobile Electronics  
2701 Plaza Del Amo, Suite 705, Torrance, California 90503 USA  
Phone: 1-877-777-8811 Fax: 1-310-943-3778

Copyright © 2013 Rydeen North America Inc. All Rights Reserved.

These materials are protected by copyright law and international treaties. Any unauthorized use, reproduction or distribution of these materials, or any portion herein, will result in severe civil and criminal penalties and fines. Violators will be prosecuted to the fullest extent of the law.