

# **K40 ELECTRONICS**

## **RADAR-LASER DETECTOR**

### **Operating Instructions**

**MODEL : RLS2**

### **INTRODUCTION**

Thank you for purchasing K40's newest radar laser detector "RLS2"

The RLS2 model incorporates the advanced new radar antenna technology and extremely low power-consuming circuitry to ensure top class performance. It is a complete integrated laser and radar detector, which responds not only to X, K and Ka band radar guns in use today, but also the laser guns.

The RLS2 provides distinct visual and audio alerts to warn you of the presence of X, K, Ka band and laser signals for 360° round.

You can drive with confidence when you bring along the RLS2 radar laser detector.

### **PACKAGE CONTENTS**

RLS2 package includes the following components.

- RLS2 radar and laser detector
- 12-volt DC power cord and fuse (2types – Coiled and Straight)
- Windshield mounting bracket with suction cups
- Dashboard mounting hook and loop fasteners
- Operation manual

## INSTALLING THE UNIT

### Mounting Guidelines

For the best performance, select the proper location for the detector where it has a direct view of the road. Remember the radar antenna and laser sensor are located behind the rear panel of the unit.

The antenna and sensors should not be obstructed by metal or metallic surfaces and should be pointed at the horizon for accurate long-range detection.

- Choose a location that does not block the driver's vision.
- Mount the detector in a level position.
- Do not mount the detector behind the metal surfaces and ornaments mirrored sunscreen.

Tinted windows reduce the received laser signal strength.

Do not mount the detector behind tinted glass. Do not mount the detector where the driver or passenger might hit in a sudden stop or accident.

### Mounting Type

There are two ways of installation.

#### Hook and Loop Mounting

The hook and loop tape included with your detector might be the best mounting method for some dashboards.

Follow these instructions to use the hook and loop tape to mount the unit on the dashboard.

1. Use a damp cloth to thoroughly clean the dashboard.
2. Peel off the paper backing of the tape and apply the tape to the bottom of the detector.
3. Remove the paper backing from the other side of the tape and press the detector onto the dashboard.

### Windshield Mounting

The supplied windshield bracket and suction cups let you quickly mount the detector on your vehicle's windshield.

Follow these steps to use mounting bracket kit.

1. Install the suction cups onto the bracket by fitting them into their holes.
2. Attach the bracket to windshield.
3. Attach the detector to the bracket.
4. Bend bracket for correct detection angle.
5. Plug power cord DC12V into detector.
6. Plug power cord into cigarette lighter.

Cautions: Some new models of cars have a plastic safety coating which is applied to the windshield. The suction cups may leave permanent marks on the wind shield once they are removed. Check vehicle owner's manual to see if your car has the plastic safety coating.

### Connecting the Power

The RLS2 detector is designed to operate on most DC 12V negative ground vehicle electrical systems. The power cord provided with the detector has a cigarette lighter socket plug at one end and a small connector at the other.

1. Insert the small connector into the jack on the side of the detector.
2. Insert the other end into the cigarette lighter socket of your vehicle.

If the detector does not operate when you turn it on, remove the adapter from the cigarette lighter socket and carefully check the socket for debris. Also, check the fuse in the adapter and your vehicle's fuse box.

### Replacing the Fuse

If the detector stops operating, the fuse in the cigarette lighter plug might be blown. If it has blown, follow these steps to replace it:

1. To replace the fuse, unscrew the top of the plug.
2. Remove the fuse and check the fuse to see if it has blown. If it has, replace it.

# OPERATION

## 1) Power On & Volume Control

Rotate the Power and Volume control wheel clockwise to turn the Power on/off. This wheel can adjust volume up/down also by moving back and forth.

## 2) Dim & Menu Button

### DIM MODE

Dim mode reduces the illumination of the display.

Press and release Dim/Menu button to change display brightness from Day - Dusk – Night-Auto and to off.

On Auto mode, display keeps “Dusk” on standby and when alarm starts, it changes the brightness level in order of Day-Dusk-Night until the alarm stops.

### MENU MODE

Press and hold Dim/Menu button for 3sec. to enter Menu Mode.

On Menu Mode, press Dim/Menu button to scroll down on menu.

Press City /Hwy button to scroll up on menu.

Press Up( ^ )/Down( v ) button to select from menu.

Menu Options	
FEMALE	MALE
VOICE ON	VOICE OFF
WAKEUP_LONG	WAKEUP_SHORT
SPEED ON	SPEED OFF
COMPASS ON	COMPASS OFF
POP_ON	POP OFF
MPH	KMPH
X BAND ON	X BAND OFF
K BAND ON	K BAND OFF
KA BAND ON	KA BAND OFF
LASER ON	LASER OFF
FACTORY RESET	
EXIT	

To exit the menu,

- Press “UP” or “DOWN” button while “exit” is being displayed.

- Press and hold Dim/Menu button for 3sec.
- Do nothing for 10sec.

## 3) Quiet Ride Button

Press and release Quiet Ride button to enter Quiet Ride Mode.

Quiet Ride Mode allows you to set a minimum MPH or KPH detection speed that eliminates all audible alerts until the vehicle exceeds your selected speed.

Use up( ^ ) and down( v ) button to select your choice of speed in range of 5~65MPH(by 5MPH) or 10~100KPH(by 10KPH).

To save the selection and exit the menu, do nothing for 3sec.

Display shows selected speed for Quiet Ride Mode along with voice announcement “Quiet Ride Set”.

## 4) MUTE Button

### a.MUTE MODE

Press and release MUTE button to turn on/off Mute Mode.

Mute Mode silences all beeping alerts for radar/laser alarms for 15sec. or the duration of the alert. Voice alerts stay active.

### b.EXTENDED MUTE MODE

Press and hold Mute button for 3sec. to turn on/off Extended Mute Mode. Extended Mute Mode silences all beeping alerts for radar/laser alarms for 2minutes or the duration of the alert. Voice alerts stay active.

## 5) CITY/HWY Button

Press and release CITY/HWY button to toggle between Highway - City -Filter.

a.HIGH WAY MODE – Detects all types of FCC approved police radar or laser signals at full sensitivity.

b.CITY MODE : The X-band sensitivity is reduced.

This is because it is the most common source of police radar signals.

K,KA and Laser remain at full sensitivity.

c.FILTER MODE : Eliminates X-band completely. Reduces K and KA band sensitivity. Laser detection remains at full sensitivity.

d.SPEED MONITOR MODE : Speed Monitor function alerts the driver when a preselected speed is exceeded. The speed Monitor can be set to any speed between 40~100MPH (in 5mph increments) or 60~160KPH (in 10kph increments)

The RLS2 emits a beeping alert tone accompanied by the visual display blinking “Slow Down” repeatedly.

The alerts will continue until the vehicle’s speed is reduced to below the Speed Monitor setting. The factory default setting for Speed Monitor is “Off”

To access and turn on this function:

-Press and hold CITY/HWY button for 3sec.

-Press and release Up( ^ ) and Down ( ^ ) button to select the desired maximum speed for alerts.

5seconds after your speed is selected, your setting will be saved, the voice will announce “Speed Monitor Set” accompanied by the visual display blinking the selected speed twice and your display will return to the main screen.

#### **6) MARK Button**

The Mark” function allows you to receive both audio and visual alerts for specific locations you’ve stored.

Press and release Mark button when you are at the location.

Display shows “Alrt Loc” and voice announces “Marked to Alert”.

After marking the location, when you arrive within a radius of 1500feet of the marked location, the voice will announce “approaching marked location” accompanied by visual display “Alrt Loc”

When you are at a marked location, you will hear a single “Bing” tone.

To remove a previously marked location, press and release Mark button while in that location.

To remove all currently stored locations, select “All Alrtlocs Clr” from Menu.

## **LIMITED WARRANTY**

The manufacturer warrants this product against all defects in materials and workmanship for a period of one (1) year from the date of the original purchase, subject to the following terms and conditions: The sole responsibility of the manufacturer under this Warranty is limited to either repair or, at the option of the manufacturer, replacement of the unit. There are no expressed or implied warranties, including those of fitness for a particular purpose of merchantability, which extend beyond the face hereof.

## **SPECIFICATIONS**

Radar Frequencies :

10.475 - 10.575 GHz (X Band)

24.050 - 24.250 GHz (K Band)

33.400 - 36.000 GHz (Ka Superwideband)

Laser Wavelength : 905nm +/-50nm

Operating Temperature Range :

-10C to +70C (+14F to +158F)

Power Requirements:

Operational 12 to 15volts DC,250mA nominal(2amp fuse) Vehicle Battery  
Saver, 30mA nominal

## **FCC INFORMATION (FCC ID : W75-RLS2)**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

In addition, any changes or modifications to this product, which are not expressly approved by K40 Electronics in writing, could void the user's authority to operate this product.