

# ***Ghost, Ghost Pro/ SkyEye Quick Guide Manual:***

Dear user,

Congratulations and thank you for purchasing the RadarShields'™ all in one Radar and Laser defense system, this is the most advance system we have ever made!

The unit will protect you from Radar, Laser and other speed enforced speed traps.

Note: Your model had been upgraded with a GPS Chip and additional software upgrade is available for your unit, this software upgrade will provide extra protection from Red Light Cameras, Speed Cameras, traffic cameras, common speed trap locations and the very first unit to also include Aircraft speed enforced locations. To enable those additional features email us at: [support@radarshield.com](mailto:support@radarshield.com) or call us at 1-800-531-8708 for more information.

Well, you wanted the best and we have created it for you!

## **Mounting Your Unit:**

Mount the unit at the center of the windshield as low as possible for premium performance using the, Supplied suction cups mounting bracket.



## **Power connection:**

The Ghost is designed to operate with 12V DC positive vehicle electrical systems.

Connect the power using the provided cable.

First plug the small end of the power cable into the units' power jack.

Second plug the large end of the power cable into the vehicle's cigarette socket jack.

Press the red top button to enable power to the cord, the red top will light up indicating power is on.

If the unit does not operate even though it is properly connected to the cigarette socket, check the socket and the fuse in the adaptor and vehicles fuse box carefully.



### **Operation:**

The Ghost was designed to make it as easy as possible to operate, even though it has so many features and options, it is basically ready for use as soon as you power it, simply plug and play!

There are basically three buttons on the unit: the "UP" and "Down" buttons and the main "Menu" button.

When first powering the unit it will go through its entire default programming sequence, each mode will be announced and its current setting.

### **Menu:**

The Menu button is used to scroll through the different units settings and options, once you are in the desired mode simply use the UP/DOWN buttons to make any changes in the desired mode, when done simply let go the UP/DOWN button, within 3 second the unit will beep confirming the selected setting was stored in the units memory.

Note: All settings are stored in the units' memory and will conveniently remain after the unit is powered off, if you desire to make any changes to the units' settings - simply use the above described sequence again to do so.



### **Settings and Options**

#### **Volume Control:**

The Audio alerts volume level is very simple to set.

While the unit is in normal operation simply consecutively press the up button to increase the audio level or the down button to decrease the audio level. Once the desired level is reached simply let go

**and within 3 seconds the unit will give a confirmation tone indicating the volume level is set and stored in the unit's memory. To change again the volume level, simply repeat this step once again.**

#### **Radar Mute Setting:**

The Radar mute settings is designed to mute all Radar and Laser audio alerts at a particular driving speed, this feature is particularly helpful when one drives at low speeds in city where there may be Radio Frequency interferences present such as from automatic door openers and security alarms, whom operate on the very same frequency the police Radar equipment is often used.

To change the mute speed simply press the Menu button once and scroll using the UP/Down buttons to set for the desired mute speed, when done simply let of the button and within three second the unit will give a confirmation tone indicating the setting was successfully stored in the units memory .

If you wish to change the settings again simply repeat the above described process.

Note: When the Radar Mute setting is active the unit will still provide accurate visual alert by the display so you will still be able to know of such detected frequencies. The default speed from the manufacture is set to 15 MPH.

#### **Working Mode Setting (Optional):**

The working mode setting allows you to select between the "Camera Detector Mode "and "Safe Drive Mode", both modes are based on our GPS based database. The Camera Detector Mode will cover all speed cameras, red light cameras, speed enforcements cameras, speed enforced modes and common speed trap locations. The Safe Drive Mode will cover all the above plus additional safety warnings such as, School Zones, One Way Streets, Toll Stations and more (see attached alert type mode and type for more information).

#### **Radar Signal Detection Setting:**

The radar signal detection setting allows you to select between City, Highway and / or powering the Radar detection option off. The change between settings simply use the Up/Down buttons , when the desired setting is reached simply let off the button, within three seconds the unit will give a confirmation tone indicating the setting was successfully stores in the unit's memory, to make and further changes simply repeat the above described process.

#### **Cruse Seep setting:**

The Cruse speed setting was design to alert drivers when they drive over a particular speed and my not notice it, this feature is very useful particularly on long driving roads such as on highways where the speed limit is usually the same and the driver may wish to set the unit to warn him if he goes over the speed limit of that road.

To change the desired speed alert simply use the Up/Down buttons to reach the desired speed, once the desired speed is reach simply let off the button and within three second the unit will give a confirmation tone indicating the desired speed was successfully stored in the units memory.

To change the above settings, simply repeat the above described process.

### **Time Zone Setting:**

The time zone setting allows you to select your correct time for the display and audio hourly time announcements, to select your time zone simply use the Up/Down buttons to scroll to the desired zone settings, once you reach your desired time zone simply let off the button and within three seconds the unit will give a confirmation tone indicating the setting was successfully stored in the units memory, the display should now show your correct time and will also announce hourly the time.

To change the above setting, simply repeat the above process.

To find your correct time zone you may simply refer to the time zone setting chart.

## **Special Custom features:**

### **Self adding custom alerts based on GPS location:**

Utilizing RadarShields' proprietary technology the SkyEye™ follows you everywhere you drive.

This technology enables you to store your custom warning locations, such warning locations can simply be a place you know police may frequently hide or any other type of pre-warning you want the unit to alert you in advance.

To add a location simply press and hold the "Menu" button for 3 second while you are in desired location area, the unit will indicate you have successfully added this location to your custom alert points by saying: "Self add coordinate store success". From now on; every time you head in the same direction of this point the unit will promptly alert you in advance.

Note: Once you have successfully added a location the display will also indicate a number, this number represents the number of custom self added locations you have in your unit's memory.

### **Self add coordinate detect selection:**

The Self add coordinate delete selection allows you to delete self-added coordinates from the unit's memory. To do so you have to be driving in the direction of the self added coordinates you wish to delete but about 200 feet before you enter the range the unit normally warns you from. Simply press and hold the Manu button for 3 seconds and the unit will indicate the location was detected form the memory. To add locations again simply press and hold the Menu button for 3 seconds.

### **Express Updates™:**

Your unit is equipped with a micro USB port for future software updates and custom firmware features that may become availed in the future. Please ensure to register your units' serial number on our website. Once updates become available for your unit you will receive an email with a link from our server that will walk you through the updating process, this process is normally completed within one to three minutes and is very simple to complete, we have also included with the unit the USB cable needed to communicate with your PC, simply plug the micro USB end to your units' Data port and the USB end to your computer to enable communications between your unit and computer.

When correctly connected the units display will light up indicating your unit is getting power from your computer and is ready to be updated.



**Manufacture Reset:**

**If from any reason you wish to reset your unit to manufacture specifications simply press and hold down the “Down” button for 3 seconds.**

GENERAL MEASUREMENT CONDITION

- 1) POWER SOURCE ----- DC 12V
- 2) TEST TEMPERATURE ----- 25 °C ±5°C
- 3) OPERATING FREQUENCY ----- X BAND: 10.50 GHz  
Ka BAND: 36.0000GHz

3. RECEIVER SPECIFICATIONS

1) SENSITIVITY

BAND	LIMIT	NORMAL	UNIT
X	-60	-65	dBm
K	-65	-67	dBm
Ka			
(33.9 ~ 34.3 GHz)	-55	-57	dBm
(34.4 ~ 34.9 GHz)	-50	-55	dBm
(35.0 ~ 36.0 GHz)	-42	-45	dBm

2) INTERMEDIATE FREQUENCY ----- 1<sup>st</sup> IF : 480MHz (-25dBm)

- 1. 350GHz (-17dBm)
- 2. 168GHz (-13dBm)

2' nd IF : 10.7MHz

3) RECEIVE CURRENT ----- 150mA

#### 4. TRANSIVER SPECIFICATIONS

- 1) CONDUCTED POWER ----- 10dBm (10mW)
- 2) CURRENT DRAIN ----- 10mA
- 3) CARRIER FREQUENCY ----- 303.875MHz
- 4) FREQUENCY TOLERANCE ----- 100KHz

#### 5. EVALUATION DATA

SG_NO	BAND	FREQ	SPECIFICATION		#1	#2	#3	#4	#5
			LIMIT	NORMAL					
#1	X	10.52	-60	-65					
#2	K	24.125	-65	-67					
#3	Ka	34.3	-55	-57					
#4	Ka	34.7	-50	-55					
#5	Ka	35.1	-42	-45					

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**FCC Statement:**

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.
- (3) Note: The Manufacture is not responsible for any Radio or TV interference cause by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipmen