

# **INTERCEPTOR**

## **OWNER'S MANUAL**

**ROCKY MOUNTAIN RADAR**

## **INTRODUCTION**

**Thank you for purchasing the INTERCEPTOR radar/laser developed by Rocky Mountain Radar. INTERCEPTOR is the first and unique sophisticated device in the world which has wireless data communication for motorcycle.**

**We are pleased to have you as a valued customer and hope you will be delighted with your Interceptor. This manual provides all the information you need putting the Interceptor to work for you.**

**NOTE: Always obey all local and federal laws when using this device.**

- **FCC ID: QKK-MC1**

**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 Rocky Mountain Radar in writing, could void the user's authority to operate this product.**

## **1. WHAT'S IN THE PACKAGE**

- **Radar Detector**
- **Headset**
- **Bracket for radar detector**
- **Screws and washers for bracket**
- **Dual lock tapes**
- **Locking cable ties**
- **Power cable**
- **Speaker**
- **AC/DC Adaptor**

## **2. INSTALLATION**

**For the best performance of radar unit, mount on a centered location that will not obstruct the view of the driver. Mount the radar detector using bracket and screws then connect the power wires to 12V battery directly.**

**Mount the headset on the helmet using the dual lock tape and speaker inside of the helmet using tapes.**

## **3. POWER CONNECTION**

**Connect the radar power cable to 12V battery directly and turn on the motorcycle power. Press the POWER button on the helmet device. Communication between radar and helmet device will be automatically connected. The radar detector has automatic power on/off function according to motorcycle power on/off.**

## **4. FUNCTIONS**

- **K and Ka band detection**
- **Laser signal detection**
- **LED Display**
- **Auto Mute**
- **Volume Level memory**
- **Headset Low Battery Alarm**
- **Auto Power Off**
- **Headset Battery Charge Mode**
- **Headset Three Buttons [ Volume Up – Power – Volume Down]**

## **5. LED DISPLAY OPERATION**

**The LED of the headset displays all kinds of alerts.**

- **Stand by: LED OFF**
- **K band, Ka band and Laser alert: LED blinking**
- **Radar Signal Strength Level 1: blinking slow**

- Radar Signal Strength Level 2: blinking fast
- Radar Signal Strength Level 3: blinking faster than level 2
- Headset Low Battery Alarm: LED blinks 5 times every 20 minutes
- Headset Auto Power Off Alarm: LED blinks once per second for 10 seconds
- Headset Battery Charge Mode: LED On during battery charge and LED off when completed.

#### **6. PREAMBLE OPERATION**

The LED will stay on for 3 seconds with one beep alert when you turn on the power. If press Volume Up or Down button, the unit stops preamble operation.

#### **7. POWER BUTTON**

Press Power button to turn the unit off. Press and hold Power button for two seconds to turn off the power. The headset will give power off beep with LED blinking.

#### **8. VOLUME UP BUTTON**

Press Volume up button to increase it from 1 level to 5 level. Volume 1 and 5 levels give one long beep and 2-3-4 levels one short beep.

#### **9. VOLUME DOWN BUTTON**

Press Volume down button to decrease it from 5 level to 1 level. Volume 1 and 5 levels give one long beep and 2-3-4 levels one short beep. Factory default is level 3.

#### **10. RADAR AND HEADSET CONNECTION**

Headset will give one beep when it is connected with radar. If headset does not receive any data from the radar unit for 5 seconds, headset will give 2 beep alerts for every 10 seconds as disconnection alert.

#### **11. HEADSET AUTO POWER OFF**

Headset will give Auto Power off warning alarm if disconnection continues more than 60 minutes. Headset will give one beep per second for 10 seconds with LED blinking. Press any buttons to cancel Auto Power off during 10 seconds warning.

#### **12. RADAR & LASER SIGNAL STRENGTH**

There are 3 levels signal strength alarms for K, Ka and laser

#### **13. AUTO MUTE OPERATION**

The headset will give 4 times alerts for K, Ka and laser detection then keep mute status for 2 minutes until signals are disappeared or new signals are detected.

#### **14. HEADSET LOW BATTERY ALARM**

The headset will give 5 times alarm for every 20 minutes with LED blinking. Charge the battery using the adaptor.

#### **15. HEADSET BATTERY CHARGE**

Connect the adaptor to power jack to charge the battery. The LED will stay on during battery charge then off when completed.

#### **16. MEMORY**

The headset stores the volume levels in the memory.

#### **17. SPEAKER**

Connect the speaker jack into the audio hole of the headset and mount it in helmet.

#### **18. LIMITED WARRANTY**

The manufacturer warrants your INTERCEPTOR 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 INTERCEPTOR. There are no expressed or implied warranties, including those of fitness for a particular purpose of merchantability, which extend beyond the face hereof. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

#### **19. SPECIFICATIONS**

- Radar Receiver Type: Dual conversion superheterodyne
- Antenna Type: Linear polarized self-contained Antenna
- Device Type: Frequency discriminator
- Frequency of Operation
  - 24.050 \_ 24.250GHz(K band)
  - 33.400 – 36.000GHz(Ka super wide band)
- Laser Receiver Type: Pulsed laser signal receiver
- Operation Temperature: -20C --- +70C
- Storage Temperature: -30c --- +100C
- Power Requirement: 12V to 15V DC, 150mA negative ground

Specification are typical. Individual units might vary. Specifications are subject to change without notice.

**THE END**