L-500HAA/ 433.92 USER' S MANUAL

1. To confirm setting of current car security mode, press ❹ (Red button) +❶
To get feedback or check of car' s current security mode , press ❹(Red button) + ❶ for 1 sec and release.

2. To set "PAGER AUTO – on ", press ❹ (Red button) +❷
To set "PAGER ALL -off" ; press ❹(Red button)+❷ for 1 sec and release. Pager rings if setting of "PAGER ALL -off" is done. A short beep sounds if "PAGER AUTO- on " setting is done.
Once the car security is armed , receiver automatically sets "PAGER- on" mode. If the car security is disarmed, receiver will get into "PAGER-off" mode.
Normally " PAGER-AUTO -on " settings is recommended for consumers.
➲Set the "PAGER-off " mode if there is someone in the car in case that paging might be needed .
➲Factory setting in all receivers is "PAGER-off"。

3. To set receiver " MUTE" mode; press ❹(Red button)+❸ 1 sec and release
MUTE appears if " MUTE " mode is set on. Under this mode, pager will vibrate without beeps for any emergency warning. Whether the receiver is set " ON " or " OFF " the receiver will beep if your car sends any emergency alert call.

4 . ❹(Red button) and its mode.
To get the LED backlight , press ❹(Red button) 1 sec and release. LED turns off after 3 secs.
When the receiver' s battery power is low, (BAT LOW) warning will appear. Pressing of this button is followed by beeps sound.

5 .BAT/LOW
Change the battery, if the (BAT/LOW) icon appears. Change the battery when the beeps become low even the (BAT LOW) does not show up.

6. How to change battery:
Push LOCK, slide open the battery cover. Change battery making sure of polarity in proper position. The receiver beeps 1 sec if the receiver gets into operating mode. If fails, take out the battery and reinstall it after 5 sec.

➲After changing of battery, press ❹(Red button)+❶ to make sure the receiver setting is same as the car current security status.
➲Each time the battery is changed, make sure the battery cover is properly closed and LOCK in position.
➲ Use of alkaline battery is recommended.

There are total 4 buttons which if pressed will produce the digital control signals and modulate the carrier signal. The carrier signal is generated by a crystal oscillator/ amplifier circuit composed of a 434 Mh crystal and a npn transmitter. The modulated output of the RF amplifier stage is coupled to the coil.

All the tuning and verification are done by manufacturer during the production process and no adjustment is allowed by any consumer. No external ground is needed in such device.

The Wintercronics Co., Ltd. Model: L-500HAA (referred to as the EUT in this report) is a Transceiver of car alarm security system. It offers wireless remote control, ideal for use in vehicle security system to activate the function of center door lock control system and car searching except the alarm system.

A major technical descriptions of EUT is described as following:

A). Fundamental Frequency: 433.92 MHz

B). Modulation : Pulse Modulation

C). Antenna Designation: Non-User Replaceable (Fixed)

D). Power Supply: DC 1.5V, Battery Operated.

E). Receiver type : Superheterodyne

Fundamental Frequency	433.92MHz
Power Source	1.5V Battery Operated
Transmitting Time	Periodic ≤ 5 seconds
Associated Receiver	FCC DOC

FCC Statement

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

Warning:

Note: This equipment has been tested and found to comply with the limits for digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, used and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference in to radiate communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different form that to which the receiver in connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

THE MANUFACTURER IS NOT RESPONSIBKE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT.SUCH ODIFICATIONS COULD VOID THE USER' S AUTHORITY TO OPERATE THE EQUIPMENT.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. Such modification could void the user's authority to operate the equipment.