

# **Exhibit E**

# **User's Manual**

**SUPER NOVA CO., LTD.**

**FCC ID.: M65NVR13**

**CAR ALARM (RECEIVER)**

# CA13A OPERATIONAL MANUAL

		NORMAL CODE
	N3	HOPPING
	N0	NEW HOPPING

BUTTON ① : A. Arm — press again to disarm  
 B. Keep press 2" — panic ( press again to off )  
 C. When ignition on — door lock

(K2MA1)  
 CAR JACKING

BUTTON ② : A. Chirp defeat arm / Chirp defeat disarm.  
 B. When ignition on — keep press 2" to valet mode  
 ( press again to normal function )

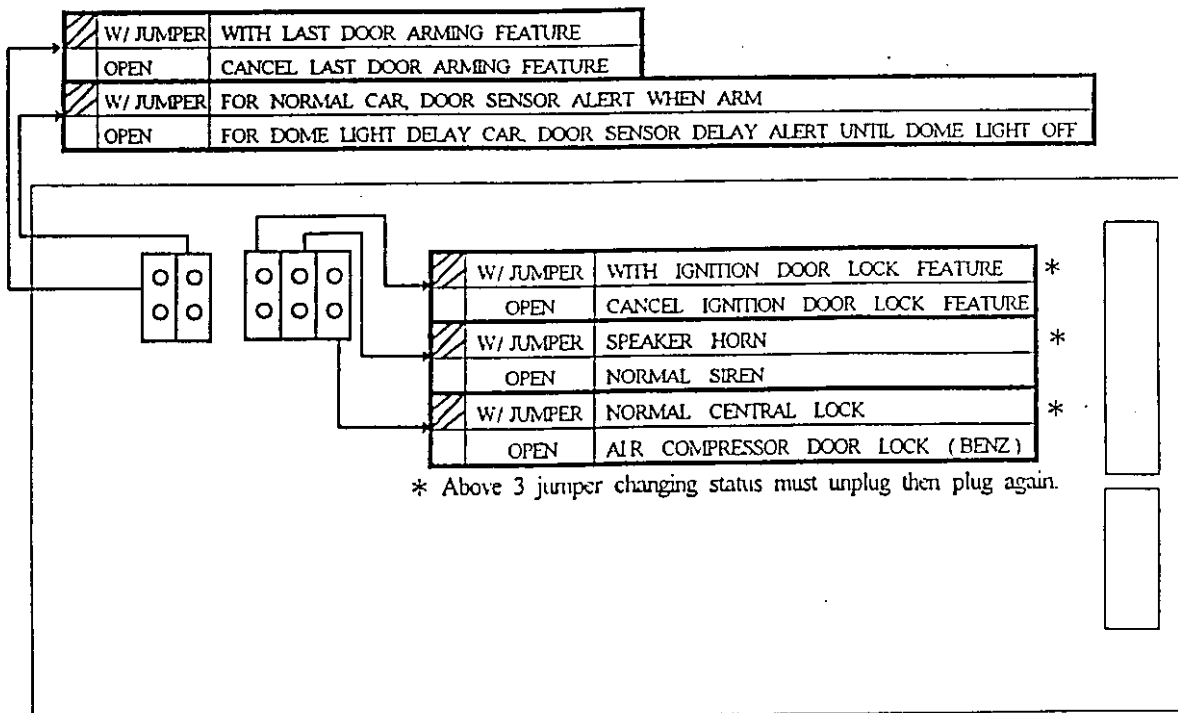
BUTTON ① + ② : A. When arming — keep press 2" to bypass shock sensor  
 B. When ignition on — keep press 2" to anti-car jacking

## CODE HOPPING TRANSMITTER :

If battery dis-connection or change battery might cause to dynamic code change.  
 User must press any button 3 times in 5 seconds to let this system re-works.

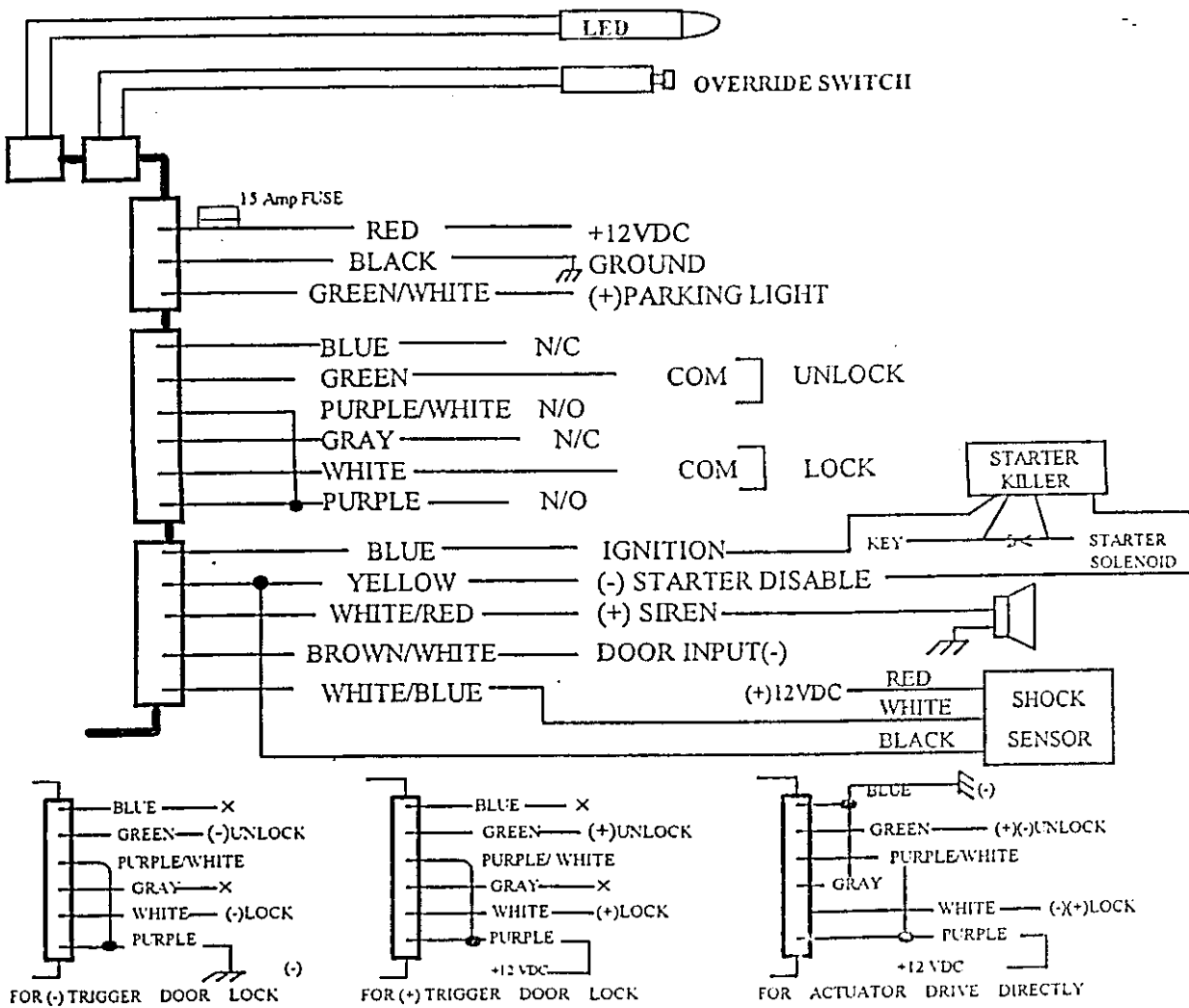
@ Button ① + ② press 2 seconds during arming , parking lights flash 3 times,  
 shock sensor temporary no function until disarm & arm again (become normal  
 again )

@ Before manufacturing , If system use 2 buttons TX , agent can asking for  
 button ② ↔ button ① + ② feature exchange.



FUNCTION PROGRAMMABLE DETAIL

# 13 WIRING DIAGRAM (F1)



## How to use the "Code Learning"

- Ignition on, press over-ride switch 5 seconds until Siren chirp 5 Times, Parking lights on means system in Code Learning mode.
- Press any button of new transmitter for learning, Siren chirp 2 Times means waiting for 2nd new transmitter to learn.
- Press any button of 2nd new transmitter for learning, Siren chirp 3 Times means waiting for 3rd new transmitter to learn.
- Same procedure maximum up to 4 transmitters.
- If within 10 seconds no new transmitter's signal send out for learning, System turn to normal state.
- Every time learning new transmitter, Former code(old transmitter)will be erased, Hence old transmitter must also learn again When new transmitter need to learning.

## Special Feature of 100 Serial A Type Alarm

### **1. Code Learning**

Main box will learn code from transmitter, maximum up to 4 codes.

### **2. Arm condition memory**

When arming, cut off power supply from battery, alarm still keep memory of arming, whenever power is on again, alarm trigger immediately, siren blow, parking lights flash, starter killer (ignition killer) still in arm status. When in normal status, power off then on again, alarm still in normal status, never cause trouble in maintenance garage.

### **3. Arm/Disarm**

When alarm arming, central lock is locked, starter killer standby, LED flashes slowly, alarm will be triggered whenever the car is hit or intruded. After trigger, the parking lights flash and siren blows (shock sensor 20 seconds, door sensor 60 seconds)

When disarm, siren chirp twice, parking lights flash twice, LED off, Starter killer reset, central lock unlocked.

### **4. Panic**

Hold button ① for over 2 seconds, panic mode will be activated. Siren keeps chirping and parking lights flash until user press button ① again to turn off the panic mode.

### **5. Anti-car jacking (by transmitter, 2 buttons TX without this feature)**

When ignition on, press anti-car jacking button for over 2 seconds. Parking lights flash twice, i.e. the car is entering into anti-jacking mode. 30 seconds later, siren chirps every 2 seconds for 10 times to pre-warn user. Then siren blow, parking lights flash, starter disable (or ignition disable), until ignition off. Siren and parking lights stop but starter is still disable unless press anti-car jacking button again.

### **6. Shock sensor by pass (2 buttons transmitter without this feature)**

When arming, press button ③ for over 2 seconds, parking lights flash 3 times means shock sensor by pass. Shock sensor trigger temporary eliminate (Door sensor trigger still work) until alarm were disarmed and armed again. This feature is used when the user try to avoid alarm noise disturbing the neighborhood.

### **7. Chirp defeat arm/disarm**

Press the transmitter to arm or disarm. If siren chirps once and twice, might cause noise in silent area. This feature offers arm and disarm without chirps but other features remain the same.

## **8. Car finder**

Siren chirps once, parking lights flash 6 times to show car position.

## **9. Security re-arm**

Alarm arms again 30 seconds after disarm unless the doors have been opened or engine is ignition on. This feature is to avoid mis-touched or mis-disarmed.

## **10. Ignition safety door lock/unlock**

5 seconds after ignition has been turned on, the doors will be locked passively for safety reason and unlocked when ignition turned off, but within 5 seconds if the door is opened, this 'safety door lock' feature will be canceled to avoid someone being locked out.

## **11. Smart chirps (Tamper memory)**

If door has been opened and closed during arming, when user disarm the alarm, siren chirps 4 more sounds. ( 2 sounds + 4 sounds)

## **12. Smart LED**

Arming - LED slow flashing

Disarm - LED off

Door intrusion when arming - LED quick flashing

Valet mode - solid on

## **13. 2 stage disarm**

Normal arming - press disarm button, alarm disarm.

During alarm was triggering - press disarm button, alarm stop triggering but remain in arm condition, user re-press disarm button again to disarm.

## **14. 2 stage shock sensor (optional)**

Light touch - one long chirp only (warn away)

Heavy touch - siren blow over 20 seconds

## **15. Last door arming (programmable)**

Ignition off, door open and closed. 30 seconds later, alarm arming passively, this feature is programmable by a mini-jumper.

## **16. Available for dome light delay car and/or normal car (programmable)**

Normal car - Door sensor alert in 5 seconds after arming.

Dome Light delay car - Door sensor delay detecting until dome light off.

This feature programmed by a jumper, decided by installer.

### **17. Air compressor central lock (programmable)**

Some cars that are equipped with air compressor central lock, such as Benz, Audi and VW etc. need a little longer signal for central locking system. This alarm cut off red loop or remove one jumper can become long signal for lock.

### **18. Valet mode (keyless entry)**

When ignition on, press button ④ for over 2 seconds, the parking lights will flash 3 times, Means the alarm system is off, but the function of locking, unlocking, Auxiliary output remain working. This is called valet mode.

When ignition on, press button ④ for over 2 seconds again, siren will chirps 3 times meaning the alarm turns back to normal function.

### **19. Two car system (only transmitter with switch have this feature)**

When using transmitter with slide switch, this system can be used as 2 cars system.

For example, push switch forward, let transmitter code be learned by 'A' car, then move switch backward, let transmitter code be learned by 'B' car. This transmitter can control 'A' car and 'B' car by changing slide switch position.

### **20. Pager output**

Pager (+) output (2Amp) can be connected to alarm pager to become 2 way service.

### **21. Zone by pass**

When door sensor keep triggering for over 5 minutes ( door keep open or hood sensor defect), the alarm siren and parking lights will stop working until the signal off.

If signal on again, door sensor (hood sensor) remain working. During Zone by pass, the starter killer will still work to protect the car.

### **22. Anti-scanning**

CPU of alarm receiving correct code may not respond immediately unless continuously more code have been confirmed. This conservative attitude keep the system not disarmed by a scanner, so called 'anti-scan'.

### **23. Over-ride switch**

3 Functions of the over-ride switch

- A. Ignition on, press over-ride switch to over-ride alarm when in arming.
- B. Ignition on, keep pressing 5 seconds to enter code learning mode.
- C. Ignition on to press over-ride to reset special hi-jacking.

### **24. Parking lights relay built-in**

## 25. Central lock relay built-in

( CA110 without relay built-in, only with ground output )

This is available for any different design of door lock and unlock.

### How to use the "Code Learning"

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- b. Press any button of new transmitter for learning, Siren chirps 2 Time means waiting for 2nd new transmitter to learn.
- c. Press any button of 2nd new transmitter for learning, Siren chirps 3 Time means waiting for 3rd new transmitter to learn.
- d. Same procedure maximum up to 4 transmitters.
- e. If within 10 seconds no new transmitter's signal send out for learning, System turn to normal state.
- f. Every time learning new transmitter, Former code(old transmitter)will be erased, Hence old transmitter must also learn again When new transmitter need to learning.

Notice: The Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC ID: M65NVR13

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.  
OPERATIONS 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 UNDESIRABLE OPERATION.