

Exhibit E

User's Manual

TECH-CAST MFG. CORP.

FCC ID.:JSYTC3001B

Car Alarm (Transmitter)

Model 2520 Operation Manual

AADX

1. Remote Control Transmitter:

This remote control transmitter provides 2 billions of digital codes with an operative range up to 100 feet. (The operative range will be shorten when system is interrupted or out of power) and also contains Anti-Copy & Anti-Scanning which is the most secure tool.

2. Micro-code learning:

Please follow the below procedures of code learning, when renew or add more transmitters --

- Turn the car key to the "ON" position.
- Turn the override switch to the "ON" position then switch to "OFF" (in 3 seconds)
- Siren wails 3 times LED light flashes rapidly (means into code learning mode)
- Press any button on transmitter 2 times in 10 seconds, when siren chirps once means the 1st code learning is done After that, press another transmitter any button 2 times in 10 seconds, when siren chirps twice means the 2nd code learning is done. Following the same procedure, it can learned 6 different transmitters' code.
- If the transmitter doesn't receive any input in 10 seconds, LED will turn off, system will quit the code learning mode automatically

3. Arming:

Press transmitter big button, arming mode is set when press the button and finds --

- Siren wails once.
- Parking light blinks once.
- Central door locks locked
- LED light flashes slowly (refer to point 25)
- If security system is connected to the power window control module, all the open windows will be closed automatically

4. Disarming:

Press transmitter big button, disarming mode is set when pressing the button and finds --

- Siren wails twice.
- Parking light flashes twice.
- Central door locks unlock.
- LED light turns off. (refer to point 25)

5. Silent arming:

Press transmitter small button, when pressing the button and finds --

- Parking light blinks once
- Central door locks locked
- LED light flashes slowly(refer to point 25).
- If security system is connected to power window control module, all the open windows will be closed automatically.

6. Silent disarm:

Press transmitter small button, when pressing the button and finds --

- Parking light blinks twice.
- Central door locks unlock
- LED light turns off. (refer to point 25)

*Pls, notice Sound/Silent arming & disarming can be chosen by the car users

7. Car searching/Panic:

Under the arming mode, hold transmitter big button continuously for 3 seconds, siren keeps wailing and Parking light blinks constantly for 30 seconds then automatically stop. Press big button again for early quitting of this mode

8. Passive Anti-robbery: (refer to point 27 optional feature)

When the car key is at "ON" position, and robbery happens, open the door and then close the door, system will be in Passive Anti-robbery mode automatically. If there is no further movement after 90 seconds, siren will keep wailing and Parking light will flash constantly for 30 seconds to warn the robbery. If ignition cut-off module (optional accessory) is installed as point 22 (b)or(c), car will have problem to move normally for about 40 seconds, and then system will disconnect power(fuel) automatically. To delete the Passive Anti-robbery, the car key must be at "ON" position, and then turn the override switch to the "ON" position.

*Pls, notice the car user should be very careful to avoid the mis-touched and then caused the disconnection of power(fuel).

9. Remote Anti-robbery: (refer to point 27 optional feature)

When the car key is at "ON" position, and robbery happens right in front of car owner and it's within remote distance, the car owner may hold the transmitter continuously for 3 seconds, siren keeps wailing and Parking light blinks constantly to attract people's attention. If ignition cut-off module (optional accessory) is installed, the system will automatically disconnect power after siren wails 30 seconds (refer to point 22 for ignition cut-off module installation). To delete the anti-robbery by pressing transmitter big & small button at the same time.

10. Passive arming (refer to point 27 optional feature)

When car key is switched from "ON" to "OFF" position, door is opened and then all the doors are closed. Parking light blinks, 30 seconds later, system is automatically into arming mode. If any of the doors is opened during this 30 seconds countdown, the countdown stops. As all doors are closed and remain close for 30 seconds, the system is into arming mode and door locked automatically or unlocked depend on setting of S2.

11. Automatic rearming:

When disarming, door is not opened for 30 seconds, system is into arming mode again automatically and central door locks locked.

12. Automatically siren shuts down and rearm:

When the alarm system is triggered, 120dB siren wails, if system return to the normal function, siren automatically shuts down after 30 seconds and the system rearms at the same time. If system hasn't returned to the normal function, siren will automatically shuts down after 90 seconds and the system rearms at the same time.

13. 2 stage disarm :

When alarm system is triggered, siren wails and Parking light blinks, press any button on transmitter, the siren and light will be shut down. The system will stay in arming mode until car owner press any button on transmitter to disarm.

14. Automatically doors unlock when engine is turned off:

When engine is turned off, central door locking system automatically unlock for passenger's convenience.

15. Remote opening trunk:

Press transmitter small button for 3 seconds, trunk will open automatically. Parking light blinks constantly. Parking light stops blinking when trunk is closed. This function will not disturb arming mode.

16. Remote central door locks:

When car key is at "ON" position, press transmitter big button or small can remote the central door locks function, and system will not be in arming mode.

17. Tamper alert with memory:

When the alarm system is tampered during arming mode, the system will automatically memorize the record. LED indicator will show the record when disarming (refer to point 25 & 26).

18. Self-diagnostics:

When arming is set, siren wails once, Parking light blinks once. The system automatically detects all defective points when arming mode is selected. When any defective point from doors or hood is not functioning normally, 3 seconds later, siren wails 4 times. Parking light blinks 4 times. If the shock sensor or trunk is not working normally, 5 seconds later, siren wails 6 times, Parking light blinks 6 times.

19. Auto By Pass:

The system automatically by passes defective point which is not working normally while remaining points are still executing until the defective point is repaired.

20. Door/trunk not being closed properly warning:

If doors remain open during arming mode, 3 seconds later, siren wails 4 times, Parking light blinks 4 times. If trunk is not closed properly during arming mode, 5 seconds later, siren wails 6 times, parking light blinks 6 times.

21. 500mA Grounded output for optional starter killer relay:

- a) This system that reserves 500mA negative output control wires to work with ignition cut-off module (optional feature).
- b) As ignition cut-off module (optional feature) is installed in a car, car can not be started in arming/anti-robbery mode. To re-start the car, disarm the system.

22. Installation for ignition cut-off:

- a) To fail starting engine, connect ignition cut-off module to the engine starter. However, this can not turn off an active engine.
- b) Connect ignition cut-off module to the negative side of ignition coil can stop a moving vehicle and fail to start engine. (This is a more dangerous way also ignition cut-off module's life will be shorter)
- c) Connect ignition cut-off module to the power control wire from fuel pump will stop a moving vehicle by cutting off fuel supplying system of fail to start engine.

23. Alarm trigger when battery or 12 Volts is first applied:

As system is installed and first plug into 12V power, siren wails and parking lights blink as a system confirmation, 30 seconds later, they automatically stop and system is armed. Transmitter can be used to disarm if it can not achieve, please check whether the valet/override switch keep at "OFF" position. If not, turn it off then appeared.

24. Valet/Override function:

To set up override mode, turn the ignition key at "ON" position, and the override switch at "ON" position, siren wails once, LED light solids on. To delete override mode, turn the override switch at "OFF" position, parking light blinks 3 times.

25. LED indicator:

STATUS	LED INDICATOR	EXPLANATION
Armed	Blinks slowly	System is armed and your car is under protection
Disarmed	Off	System is disarmed with no triggering during arming mode
Trigger	Blinks rapidly	If the system is triggered during arming mode. LED indicator flashes rapidly when disarm. Turn the car key to the "ON" position, LED indicator is reset.
Enter code learning mode	Flash rapidly	LED flash faster than when system has been triggered. (pls. Refer to 2. Micro code learning function)
Valet	Steady on	When valet switch is set

26. Meaning of numbers that siren wails & parking lights flash:

NO. OF WAIL & FLASH	MEANING
wails 3 times	Code learning is done
wails & flashes once	Arming
wails & flashes twice	Disarming
wails & flashes 3 times	When deleting arming mode, system has been triggered during arming
wails & flashes 4 times	When setting arming mode, door functions or hook is not working normally
wails & flashes 6 times	When setting arming mode, shock sensor or trunk is not working normally
flashes once	Silent arming
flashes twice	Silent disarming
flashes 30 seconds	Passive arming
wails & flashes 30 sec.	Alarm triggered, car searching, anti-robbery system installed confirmation
wails & flashes 90 sec.	Alarm triggered, system has not returned to the normal function
flashes constantly	Remote opening trunk
wails once	Override switch "ON"
flashes 3 times	Override switch "OFF"
flash & wail synchronously	+12V first applied valet switch keep at "ON"

27. Optional features set up:

NUMBER	POSITION	FEATURE
S1	SHORT	Passive anti-robbery
S1	OPEN	Remote anti-robbery
S2	SHORT	Passive arming with automatic door lock
S2	OPEN	Passive arming without automatic door lock
S3	SHORT	Central door lock trigger time 0.4 sec.
S3	OPEN	Central door lock trigger time 6 sec.

*PS: SHORT → plug · OPEN → unplug

28. Electronic specification :

A. Main module :

Operation voltage : 12V ± 2V
 Operation temperature : -30 ~ +85 °C
 Stand by current : 7.4 mA (LED & Sensor excluded)
 LED current : 3.2 mA
 Sensor current : 2 mA for Electromagnetic shock sensor
 0.2 mA for rolling-ball shock sensor
 Power Consumption (Max) : 10A for parking light, siren & trunk
 Operation frequency : 433.92 ± 0.5 Mhz

B. Transmitter:

Operation voltage : 12V
 Operation temperature : -30 ~ +85 °C
 Stand by current : 0 mA
 Power Consumption (Max) : 11 mA
 Operation frequency : 433.92 ± 0.5 Mhz
 Code arrangement : code hopping
 Effective range : 30 M or above (depends on battery voltage & parking situation)
 Battery specification : GP23A 12V

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 : ISYTC 100118
 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 UNDESIRABLE
 OPERATION