



PORTMAN

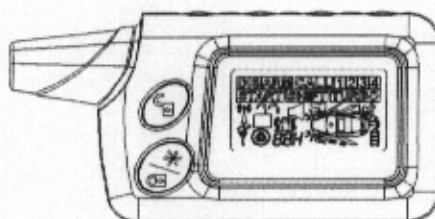
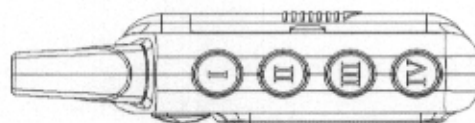
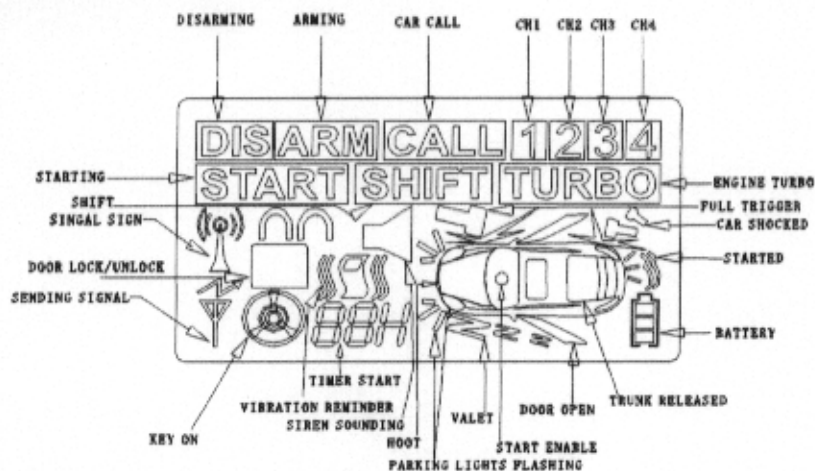
2-WAY LCD REMOTE STARTER CAR ALARM AM-8050

OPERATION MANUAL

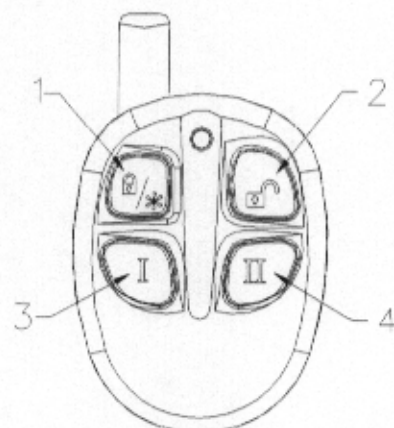
TABLE OF CONTENTS:

TRANSMITTER.....	3
REMOTE CONTROL FUNCTION.....	4
CODE LEARNIG.....	5
ARMING.....	5
ARMING WITH BYPASSING SHOCK SENSOR.....	5
DISARMING.....	5
SILENT ARM/DISARMING.....	6
LAST DOOR ARMING WITH/WITHOUT DOOR LOCK.....	6
REARMING AFTER DISARMING.....	6
REARMING AFTER TRIGGERING.....	7
PASSIVE ARMING BYPASS.....	7
EMERGENCY OVERRIDE DISARMING-2 PIN CODE.....	7
PROGRAM PERSONAL 2-PIN CODE.....	7
AUTO DOOR LOCK CONTROL.....	8
VALET MODE.....	8
PANIC.....	8
CAR FINDER.....	9
CAR CALL.....	9
MEMORY FUNCTION.....	9
2-STAGE SHOCK SENSOR.....	9
TEMPERATURE SENSOR.....	9
SIREN EMERGENCY SOUND & PARKING LIGHTS EMERGENCY FLASH.....	9
ANTI CAR-HIJACKING.....	9
PASSIVE ANTI-JACKING.....	9
TIMER START MODE.....	10
RPM LEARNING MODE	10
REMOTE START.....	11
REMOTE START STATUS DIAGNOSIS.....	11
FUNCTION SELECTION CABLE.....	12
FUNCTION SELECTION CABLE.....	13
FUNCTION SELECTION REMARK.....	14
PROGRAM LINE.....	15
START INPUT LINE.....	15
WAIT-TO-STAT LINE.....	15

T58



T54A



REMOTE CONTROL FUNCTION

Button	Functions	Conditions
	a. Arm and lock doors b. Car finder with sound c. Stop alarm temporarily d. Remote lock doors	Disarmed and ACC OFF Armed Sounding While driving
  within 3 sec	Arming with bypassing the 2-stage shock sensor	Disarmed
 for 3 sec	Remote Panic	Anytime but valet mode
	a. Disarm and unlock doors b. Remote unlock doors	Armed and ACC OFF While driving
 -  within 3 sec	Second unlock output	Anytime
 	a. Silent arming b. Silent disarming	Disarmed and ACC OFF Armed
	Bypass passive arming	When disarm
 for 2 sec.	Trunk output (CH1)	ACC OFF
 for 2 sec.	active anti car hijacking Exit Anti Car-hijacking	While driving In anti car-hijacking mode
 for 2 sec	Remote Engine Start	When start procedure ready
	Stop remote start	Engine starting
	CH2 OUTPUT	Anytime
	CH3 OUTPUT	Anytime
	CH4 OUTPUT	Anytime
	Enter/Exit VALET MODE	Disarmed and ACC ON
 set timer	Setup timer start mode	DISARMED
	Turn ON/OFF vibration display	Anytime
	Open light for LCD	

NOTE:

- a. Please refer to the above table and the following operating instructions for all functions.
- b. Use Hopping code for transmission.
- c. 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.
- d. Caution:
The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CODE LEARNING

- a. When in disarmed mode, turn ACC ON, press Valet Switch 10 times within 8 seconds, siren will chirp 3 times, system will enter code-learning mode.
- b. Press any key on the transmitter, the siren will chirp accordingly for confirmation as soon as the transmitter is learned. For example, if the first transmitter is learned, the siren will chirp once. If the second transmitter is learned, the siren will chirp twice, etc... Up to 3 transmitters can be programmed.
- c. If one of the transmitters is programmed, the other transmitters must be reprogrammed within 8 seconds. Turn ignition OFF or 8 sec later, system will exit code- learning mode.

ARMING

- a. Press button 1.
- b. Siren will chirp once. Parking lights will flash once
- c. The doors will be locked after 0.5 sec. (see function selection J1-1)
- d. LED will flash slowly (If doors are not closed properly and the system can't enter arming mode completely, siren will chirp 5 times (see function selection). If the bonnet isn't closed properly, siren will chirp 4 times, then the sensor can't be triggered and LED flashes quickly.)
- e. After 3 seconds, all the sensors are armed. If the alarm is triggered within 3 sec, the siren will chirp twice and the circuit will be by-passed. Alarm will rearm by itself only when the sensor is stable for 2 sec.

ARMING WITH BYPASSING SHOCK SENSOR

After pressing button 1, press button 1 again within 3 seconds, siren will chirp once more, then the two stage shock sensor will be bypassed in this arming cycle.

DISARMING

- a. Press button 2.
- b. Siren will chirp 2 times, parking lights will flash 2 times. If siren chirps 4 times and parking lights flash 4 times, which means the alarm has been triggered during arming state. (In silent arming mode, siren will not chirp, only parking lights will flash)
- c. Doors will be unlocked after 0.5 sec (see function selection J1-1).
- d. Dome light will be ON for 30 sec (see function selection J2-7) , and will be OFF when ACC ON.
- e. If the door is opened, LED will be OFF, the dome light is turned ON.

TRIGGER REPORT: LED WILL FLASH AFTER DISARMING TILL ACC ON OR SYSTEM ARMS AGAIN.

IGN: FLASH 5 TIMES, PAUSE... AND CYCLE
BOOT: FLASH 4 TIMES, PAUSE... AND CYCLE
DOOR: FLASH 3 TIMES, PAUSE... AND CYCLE
SHOCK: FLASH 2 TIMES, PAUSE... AND CYCLE

And LCD will display the trigged sensor on transmitter. Press shift button to clear the report.

SILENT ARMING/DISARMING

- a. Press button 3, then press button 1 within 3 sec, the system will enter silent arming, siren will not chirp, and only parking light will flash when arming.
- b. Press button 3, then press button 2 within 3 sec, parking light will flash 2 times when disarming.

LAST DOOR ARMING WITH/WITHOUT DOOR LOCK (FUNCTION SELECTION J1-4, -5)

- a. If ACC is OFF, the last door is opened and closed, alarm will enter arming mode automatically after 30 seconds with/without door locked

- b. If one of the doors is opened during the above 30sec, the system will postpone the arming till the last door is closed.

REARMING AFTER DISARMING (FUNCTION SELECTION J1- 4, 5)

After disarming, if door is not opened or ignition remains OFF position, 30 sec later. the system will be rearmed with/without door locked.

REARMING AFTER TRIGGERING

System will rearm by itself after being triggered.

PASSIVE ARMING BYPASS

After disarming, press button 3 twice within 3 sec. The system will bypass passive arming temporarily. And the LED will be solid ON.

EMERGENCY OVERRIDE DISARMING – 2-PIN CODE (*Factory Value : 1 , 2*)

Please refer to its instruction for emergency disarm the system as following.

Simple way : (FUNCTION SELECTION J1-12)

During ARMING or anti-car jacking mode, turn ignition ON, press valet switch once within 8 sec, siren will sound 4 times to indicate system disarming:

2-pin code override disarming procedure: (system armed)

- 1) Turn ignition ON, press valet switch 5 times within 8 sec. then LED stays ON.
- 2) The LED will stay ON solid for 5 sec, after the five seconds LED begins to flash the first pin code.
- 3) After the LED flashes the 1st number of the 2-pin code, turn ignition OFF. Then turn back ON to wait for LED to flash the 2nd number of the 2-pin code. If the codes are input correctly, siren will sound 4 times to indicate system disarming.
- 4) If LED flashes more than 10 times, it means that the system exits override procedure.

PROGRAM PERSONAL 2-PIN CODE

Pin code program procedure: (system disarmed)

- 1) Turn ignition ON, press valet switch 5 times within 8 sec. then LED stays ON.
- 2) The LED will stay ON solid for 5 sec, after the five seconds LED will begin to flash.
- 3) **ENTER STANDBY MODE:** Turn ignition OFF after the LED flashes the 1st pin code of the 2-pin code (factory default), then turn ACC ON for the 2nd pin code setting. After finishing, turn ACC OFF. If the pin code reorganization fails, the system will exit and memorize the factory pin code setting.
- 4) **SET NEW PIN CODE:** Turn ACC ON, when the LED flashes the 1st selected code, turn ACC OFF. Siren will chirp the number of times to indicate new pin code for the system. Following the same procedure for the 2nd pin code. The new 2-pin code will be recorded in EEPROM.

NOTE: If the 2-pin code setting is incorrect, the system will default pin code setting.

Pin code number can be 1~9.

Example:

- a. Factory default pin code is 1 2. Follow the procedure described as 1)~2) to enter the standby mode of programming the new pin code. Turn ACC OFF when LED flashes once, then turn ACC back to ON, when LED flashes twice. Turn ACC OFF to finish.
- b. If you would like to change the new pin code to 45, turn ACC ON when the LED flashes 4 times, then turn ACC OFF, and siren will chirp 4 times as confirmation. Then turn ACC ON for the 2nd digit setting: turn ACC OFF after the LED flashes 5 times. The siren will chirp 5 times for 2nd digit setting confirmation.

AUTO DOOR LOCK CONTROL (FUNCTION SELECTION J1-7, 8)

- a. When the door is closed and ACC is turned to ON, the doors will be locked automatically upon first stepping on the footbrake.
- b. When ignition is ON, press button 2 to unlock doors and press button 1 to lock doors.
- c. Turn ignition OFF, the doors will be unlocked automatically.

VALET MODE

- a. When ACC ON, press valet switch once for 3 sec. The two actions should be finished within 8 seconds.
- b. System will enter VALET mode; LED will be constantly ON, even ACC OFF.
- c. In VALET mode and ACC OFF: siren will chirp and parking lights will flash twice when locking the door, and siren will chirp and parking lights will flash three times when unlocking the door.
- d. Exit VALET mode: when ACC ON, press valet switch once for 3 sec. LED will be OFF soon. The two actions should be finished within 8 seconds.
- e. Enter or exit valet mode remotely: Turn ignition ON, press button 5 then 2.

PANIC

- a. Press button 1 for 3 sec. The siren will sound, parking lights and dome light will flash for 30 seconds. 30 seconds later, the system will enter arming mode automatically if ACC is not turned to ON.
- b. Press button 1 or 2 to stop the panic.

CAR FINDER

When the system is armed, press button 1, the siren will chirp 6 times and the parking lights will flash for 12 sec.

CAR CALL

Knock slightly at the Car Call on the windshield to call the driver; T58H transmitter will sound for reminder. After receiving signals, press any button on the transmitter, the siren will chirp 6 times for confirmation.

MEMORY FUNCTION

The alarm will memorize the condition before the power is cut off.

2-STAGE SHOCK SENSOR

- a. If car is lightly touched, the system will chirp five times and parking lights flash once as warning.
- b. If car receives a heavy shock, siren will sound and parking lights will flash for 30 sec.

TEMPERATURE SENSOR

Temperature sensor can be added to the system to realize automatically start when the interior temperature exceeds the set temperature.

SIREN EMERGENCY SOUND & PARKING LIGHTS EMERGENCY FLASH

In armed mode, parking lights will flash and siren will sound for 30 seconds if triggered.

ANTI CAR-HIJACKING (FUNCTION SELECTION J2-1)

ACTIVE ANTI-JACKING:

When ACC ON and doors are closed, press button 3 once, open and then close the door within 8 sec to activate anti car-hijacking mode. After entering active anti-jacking mode, the LED will blink slowly.

PASSIVE ANTI-JACKING:

MODE 1: After turning ACC ON, the system will enter anti-carjacking mode at once.

MODE 2: If the door is opened and closed while the ignition is "ON", the anti carjacking will be activated.

When the anti carjacking mode is activated:

- For the first 15 seconds, nothing happen. (for passive anti-jacking only). Within the first 15 seconds, pressing button 1 can exit anti-jacking mode.
From 16 to 30 seconds, the LED will blink slowly.
From 31 to 45 seconds, the LED will blink quickly and the siren will chirp once per 2 seconds. From 46 to 70 seconds, the LED will blink quickly and the siren will chirp once per second. After 71 seconds, the siren will sound and the parking lights will flash continuously. The arming wire will output negative 300mA current.
- After turn ACC OFF, the siren will sound and the parking lights will flash for another 3 minutes before they stop.
- Turn ACC ON again without exiting anti carjacking mode, the siren will sound and the parking lights will flash continuously again.

EXIT ANTI CARJACKING MODE: Please apply the **EMERGENCY DISARM** procedures.

TIMER START MODE: (FOR AUTO GEAR CAR)

(For the manual gear car, the remote start preparation should have been performed.)

Before set timer start, first start the engine remotely successfully and then stop it.

- a. Press button 5, then press 4 for 2 sec within 5 sec, system will enter or exit timer mode.
- b. When entering the timer start mode, the parking lights will flash twice and T58 will display 24H on the LCD. Then press button 1 or 2 can choose the delay times of 1H, 2H, 3H, 4H, 8H, 12H or 24H, (See J3-4). Button 1 is to increase the time, and button 2 is to reduce the time.
- c. If exit timer mode, the T58 will have no time display on LCD.

RPM LEARNING MODE

- a. When disarmed, turn ignition ON.
- b. Press valet switch 6 times within 10 sec, the parking lights will flash twice to indicate that system has entered the RPM learning mode.
- c. Start the engine, when the RPM level is stabilized, press the valet switch once for 2 sec, the parking lights will flash and the siren will chirp twice, which indicates the RPM value has been memorized successfully.

REMOTE START

(Manual gear cars should be performed the preparation procedure first. Automatic shift cars don't need the procedure)

- a. Press button 4 for 2 seconds to start the engine remotely. (If RPM mode is chosen, the RPM learning procedure should be performed in advance.)
- b. When starting the engine remotely, if the parking lights flash slowly or are solid on (See J3-2), which means starting successfully. If start procedure is over or start fails LED indicator will report the reason.

REMOTE START STATUS DIAGNOSIS (LED REPORT)

When the start action stops or fails, the module will start diagnosis procedure and indicate the reason with LED flash. (LED flash indication will work only when you turn ACC ON, press valet switch once, and then turn ACC OFF at once)

Item	TIMES OF LED FLASH	DIAGNOSIS
1	1 TIME	THE RUN TIME IS OVER.
2	2 TIME	Over-rev shutdown (The RPM value is too high)
3	3 TIMES	THE VOLTAGE IS TOO LOW.
4	4 TIMES	BUTTON 4, OR THE START INPUT SWITCH IS PRESSED AGAIN.
5	5 TIMES	HOOR IS NOT COLSED
6	6 TIMES	THE FOOTBRAKE IS NOT RELEASED.
7	7 TIMES	THE HANKBRAKE IS NOT PULLED UP.
8	8 TIMES	WAIT-TO-START INDICATOR IS NOT OFF.
9	9 TIMES	NO PREPARATION FOR MANUAL GEAR CAR

If start successfully:

- a.Engine will run for 10 min, or 30 min (J3-5). Meanwhile, if the door is opened in arming mode, the engine will stop running and the siren will sound immediately. When in disarmed mode, the engine won't stop and the siren won't sound.
- b.The system will try to start the engine 3 times at most per each start action. If not successful, you have to press the remote start button again.

FUNCTION SELECTION

- a. Disarm the system and turn ACC ON within 10 seconds, press valet switch 3 times, then hold for 2 sec. System will enter manual 1 after releasing the valet switch and siren will chirp once. If not releasing the valet switch and hold on, system will chirp twice to indicate entering Manual 2. If still hold on, system will chirp three times to indicate entering Manual 3.
- b. After choosing the manual, press Valet Switch to select the function to be changed within 20 seconds. System will chirp each time when Valet Switch is pressed and released. When reach the items of selected function, press button one or two of the remote control to select. Button one is to select the factory default value, while button two is for optional functions. (Except J3-11, and J3-13)
- c. If 20 seconds without action or turn ignition off, system will have a long beep and exit function selection mode.

MANUAL 1		PRE SET VALUE (1 CHIRP)	VARIABLE SET-UP (2 CHIRPS)
J1-1	UNLOCK TIME	0.5 SEC	3.5 SEC
J1-2	LOCK TIME	SAME AS UNLOCK	15 SEC
J1-3	UNLOCK TIME	ONE PULSE	TWO PULSES
J1-4	ARMING WAY	PASSIVE INCLUDED	ACTIVE ONLY
J1-5	PASSIVE ARMING WITH LOCK	WITH LOCK	WITHOUT LOCK
J1-6	ARM/DISARM CHIRP	ON	OFF
J1-7	ACC CONTROLLED DOOR LOCK	ON	OFF
J1-8	ACC OFF UNLOCK	ON	OFF
J1-9	DOOR TRIGGER DELAY	OFF	ON
J1-10	SIRNE SOUND	ON	OFF
J1-11	PARKING LIGHTS ON WHEN DISARMING	OFF	ON
J1-12	EMERGENCY OVERRIDE WAY	EASY WAY	2-PIN CODE WAY
J1-14	DEFAULT	ON	
MANUAL 2			
J2-1	ANTI-CARJACKING	ON	OFF
J2-2	HIJACK MODE	ACTIVE MODE	PASSIVE MODE
J2-3	CH2 OUTPUT MODE	1 SEC	OUTPUT UNTIL BUTTON RELEASE
J2-4	CH3 OUTPUT MODE	1 SEC	30SEC OUTPUT
J2-5	CH4 OUTPUT MODE	OUTPUT UNTIL IGNITION ON OR OFF	OUTPUT UNTIL BUTTON RELEASE
J2-6	L1 OUTPUT	UNLOCK2 OUTPUT	CH2 OUTPUT
J2-7	L2 OUTPUT	DOMELIGHT OUTPUT	CH3 OUTPUT
J2-8	L3 OUTPUT	PROGRAM OUTPUT	CH4 OUTPUT
J2-9	L4 OUTPUT	RMO OUTPUT	CH2 OUTPUT
J2-10	L5 OUTPUT	HORN OUTPUT	CH4 OUTPUT
J2-11	L6 OUTPUT	PAGER OUTPUT	CH3 OUTPUT
J2-12	RMO OUTPUT WHEN TRUNK RELEASE	ON	OFF
J2-13	PASSIVE ANTI -JACKING MODE 1	OFF	ON
J2-14	DEFAULT	ON	

MANUAL 3

J3-1	CHECKING MODE WHEN STARTING	CHECKING VOLTAGE	CHECKING RPM
J3-2	PARKING LIGHTS	FLASH	STEADY ON
J3-3	ENGINE CHECKING	ON	OFF
J3-4	VOLTAGE CHECK	HIGH	LOW
J3-5	WARN-UP DURATION	10 MIN	30 MIN
J3-6	ARMING OUTPUT WHEN STARTING	ON	OFF
J3-7	CAR TYPE	AUTO GEAR	MANUAL GEAR
J3-8	RMO OUTPUT	OUTPUTS PULSE WHEN DISARMING, TRUNK RELEASING AND STARTING	OUTPUTS CONTINUOUSLY WHEN STARTING
J3-9	PROGRAM OUTPUT	PROGRAM WIRE OUTPUTS CONTINUOUSLY WHEN STARTING	PROGRAM WIRE OUTPUTS PULSE WHEN START ENDING
J3-10	START INPUT PULSE	1	2
J3-11	CRANKING TIME (UNIT: SEC):	0.6(1)	0.8(2) 1.0(3) 1.2(4) 1.4(5) 1.6(6) 1.8(7) 2.0(8) 3.0(9) 4.0(10)
J3-12	DETECT TEMP SENSOR WHEN TIMER START	OFF	ON
J3-13	TIMER START: (UNIT: HOUR):	24 (7)	1(1) 2 (2) 3(3) 4(4) 8 (5) 12(6)
J3-14	DEFAULT	ON	

REMARK:

MANUAL J3-11 (THIS SELECTION IS AVAILABLE ONLY WHEN THE VOLTAGE CHECKING OF J3-1 IS SELECTED)

There are 10 selectable cranking times. Press Button 1 can choose the optional cranking times when programming. System will chirp different times as indication of the different time chose. For example, the factory default is 0.6 second. If you want to set cranking time to 1.0 second, press button 1 twice and system will chirp 3 times as indication. And press button 2 will decrease the time.

MANUAL J3-13

There are 4 choices of start delay time. The selecting steps are same as setting J3-11.

RMO LINE

This wire will output one pulse when disarming or trunk releasing. It can be used to disarm or bypass accessories. The output can be one pulse or continuous signal. (See manual J3-8)

PROGRAM LINE

It will either output low voltage when in Remote Starting Process or send a pulse while Process ending. It can be used to control some accessories to avoid interference while in Starting Process. (See manual J3-9)

START INPUT LINE (SEE MANUAL J3-10)

It is a input line for engine start, which can be connected to a push button or other accessories, like temperature sensor. When system gets a negative signal from this line, system will enter Starting Process. However, car should be in remote start preparation status.

WAIT-TO-START LINE

It is for diesel engine specially. The line should be connected to Wait-To-Start LED light and will hold cranking until input is off. (There is a warming time before diesel engine starting. Wait-To-Start light will turn off when warming finished and system will be ready to start.)



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