



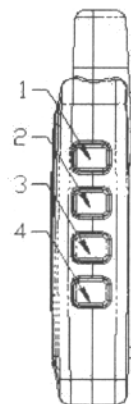
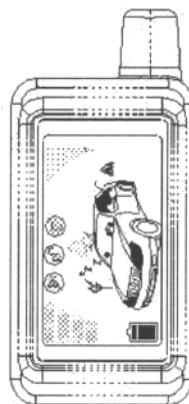
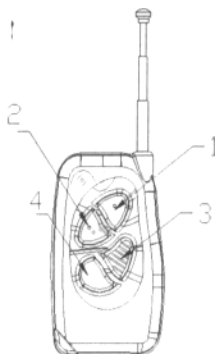
# Portman Security System International Co., Ltd.

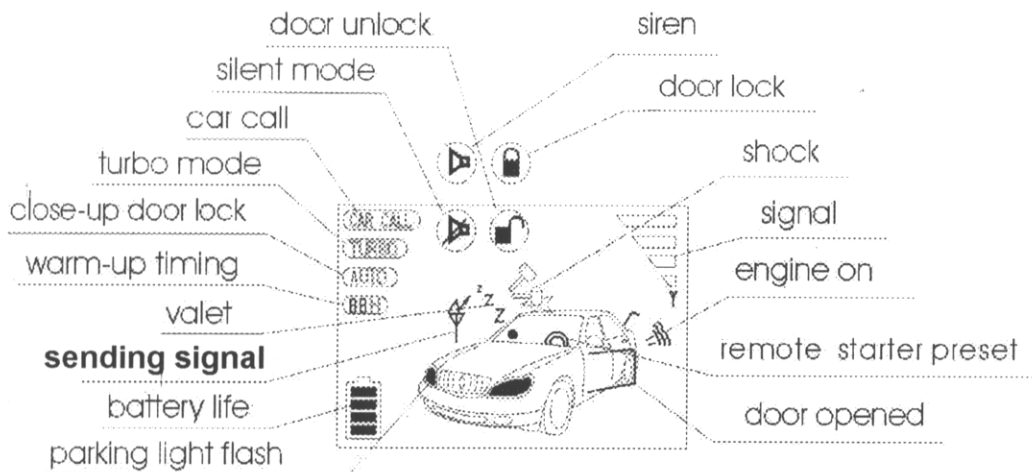
## PORTMAN LCD 2-WAY REMOTE STARTER CAR ALARM AM-8000

### TRANSMITTER – 4-BUTTON WITH LCD DISPLAY

Button	Functions	Conditions
1	a. Arm and lock doors b. Car finder with sound c. Temporary stop alarm from sounding d. Remote lock doors	Alarm is disarmed Alarm is being armed Alarm is sounding While driving
1 for 2 sec.	Close window	Alarm is armed
2	a. Disarm b. Remote unlock doors c. Stop alarm from sounding	Alarm is being armed While driving Alarm is sounding
2 for 2 sec.	Channel Output 1	Alarm is disarmed
3	a. Silent arm b. Car finder without sound c. Enter Anti-car-hijacking	Alarm is disarmed Alarm is being armed While driving
3 for 2 sec.	Exit Anti Car-hijacking	While in anti car-hijacking mode
1+2	Panic	Anytime
2+3	Channel Output 2	When disarmed
4 for 2 sec	Remote Engine Starter	Anytime
2+4	Auto-starter booking	Warm-up
3+4	Auto arm/disarm and door lock/unlock	Anytime
1+4	Turbo Function	Anytime.

Remark: a. Please refer the above table and the following operating instructions for all functions.  
b. Use Hopping code for transmission.





## 2-WAY FEATURES

### BUZZER

- When pressing each button, transmitter will buzz one time for confirmation.
- Transmitter will sound for 30 seconds maximum when receiving an emergency signal from module. User can stop the buzzing of transmitter and module's triggering by pressing any button.
- Transmitter will sound for 30 seconds maximum with different tone when receiving a car call signal from module. User can stop the buzzing of transmitter by pressing any button.

### AUTO ARM/DISARM AND DOOR LOCK/UNLOCK

- Press buttons 3 + 4, the LCD screen will display "AUTO" sign. When the user gets close to the car (less than 3 meters), the remote will send disarm and unlock door signal without pressing any button.
- When the user goes as far as over 3 meters from the car, the remote will send arming and door-lock signal with no need to press any button.
- Press again button 3 + 4 to escape this function.

### SLEEP MODE

For battery-saving purpose, the transmitter is automatically in sleep mode when not in use.

## WARM-UP SET-UP AND REMOTE STARTER

### WARM-UP SET-UP

#### 1-STICK SHIFT CAR

- When parking the car, pull on the parking brake, release the foot brake. Then turn the key to ACC OFF position.
- Siren chirps once (when in silent mode, the siren doesn't chirp but the parking light flashes once instead), indicating the warm up programming is activated.
- If a door is opened then or if the engine is started, the warm-up programming function will deactivate automatically.

#### 2-AUTOMATIC GEAR CAR

- When parking the car, activate the self-checking installation, pull on the parking brake, and release the foot brake. Then turn the key to ACC OFF position, the engine is still running.
- Open and close the door within 2 minutes, the engine will stop automatically.
- Siren chirps once (when in silent mode, the siren doesn't chirp but the parking light flashes once instead), indicating the warm up programming is activated.
- If a door is opened then or if the engine is started, the warm-up programming function will deactivate automatically.

### RPM LEARNING

- When in disarming mode, turn the key into ACC ON position until the engine runs steadily, then press valet switch 6 times within 10 seconds, the siren will chirp once to indicate the system has entered the RPM learning mode.
- Then press the valet switch for 2 seconds, the LED will light up for 2 seconds, the siren will chirp twice, indicate the RPM learning has been operated successfully.

## **INSTALLATION SELF-CHECKING**

- a- In disarmed mode, turn ignition from OFF to ON, then OFF position within 3 seconds.
- b- Then, press valet switch 3 times within 8 seconds, the siren will chirp once, indicating the system is proceeding to the self-checking.
- c- In self-checking mode, press button 4 for 2 seconds to start the auto-check process. If everything is OK, the warm-up function will be automatically activated. If a problem occurs, the siren will inform the car's owner on the problem's nature as following:
  - If RPM is too high or low: siren chirps 2 times, parking lights flash 2 times.
  - If foot brake isn't released: siren chirps three times, parking lights flash three times.
  - If hood open: siren chirps 4 times, parking lights flash 4 times.
  - If door open, siren chirps 5 times, parking lights flash 5 times.
  - If parking brake isn't pulled: siren chirps 6 times, parking lights flash 6 times.
- d- To quit this function, turn the key into ACC ON position.

## **SHIFT RPM VALUE (75%/90%110%)**

- a- When in self-checking mode, press the valet switch once, the siren will chirp 2 times.
- b- Then, press button 4 for 2 seconds, the system will enter remote engine starter mode. If the starter time is too short, press the foot brake once. It will modify the set-up value of RPM.
- c- When pressing the foot brake once, the siren will chirp once, the RPM value is set to 70%.
- d- When pressing the foot brake twice, the siren will chirp twice, the RPM value is set to 90%.
- e- When pressing the foot brake 3 times, the siren will chirp 3 times, the RPM value is set to 110%.
- f- When pressing the foot-brake 4 times, the siren will chirp once, the RPM value will be set to 70% again, and
- g- Turn the key back to ACC ON position to escape this function.

## **REMOTE ENGINE STARTER (SEE FUNCTION SELECTION 22,24,25)**

- a- First of all, system must set on "Warm up set-up" or "Remote starter mode" to enable remote starter function.
- b- Press button 4 for 2 seconds, the function is activated. The siren will chirp once (if in "Silent mode", the parking lights will flash once).
- c- The system will automatically start self-checking procedure: if something is wrong, please refer to above paragraph. If everything is OK, the engine will start (for fuel cars) or in 18 seconds (for gasoline cars).
- d- 2 seconds after the engine starts successfully, the parking lights will be ON constantly.
- e- If the engine doesn't start at the first try, the system will try again. It will give 3 trials totally, if the third trial doesn't succeed, the siren will chirp once (except in silent mode), parking lights will flash once.
- f- The remote starter runs for 10 minutes (or 20 minutes depending on your need).
- g- When the remote starter function is finished, the siren will chirp once, the parking lights will flash once.
- h- If the remote starter function is set to auto starter booking, the siren will chirp twice, (except in silent arming mode), the parking lights will flash twice, indicating the remote starter is set to fixed schedule.

## **TURBO FUNCTION**

- a- Press button 1+4 any time, enter turbo function.
- b- After warm-up set-up, the engine will automatically cut off after 2 min.
- c- To delete this function, press 1+4 again anytime.

## **AUTO-STARTER BOOKING (SEE FUNCTION 27,28,29,30,31)**

- a- Before to stop the car, press button 2 + 4, the parking lights will flash 3 times.
- b- Then follow the procedure 13 (remote starter) and close the doors; siren will chirp twice (when in silent mode, the parking lights will flash twice), indicating the system has entered the fixed schedule remote starter mode.
- c- You can then choose the frequency of your auto-starter, every 2h, 4h, 8h, 12h or 24h (see function selection)
- d- After warm-up set-up, this function can be activated. Otherwise, the function can't be activated.

## **CAR ALARM FEATURES**

### **CODE LEARNING**

- a- In disarming mode, turn Ignition ON, press Valet Switch 10 times within 8 seconds, after 10 seconds siren will chirp 3 times to enter code learning mode (2 transmitters maximum).
- b- Press any button on the transmitter within 8 seconds. The siren will chirp accordingly for confirmation as soon as the code is learned. For example, the first transmitter is learned, the siren will chirp once. The second transmitter is learned, the siren will chirp twice.
- c- If over 8 sec or turn ignition OFF, the system will exit code-learning mode automatically.
- d- To enter clear all code mode, please refer to Function Selection 18.

### **ARMING**

- a. Press button 1.
- b. Siren will chirp once.
- c. The doors will lock automatically (See Function Selection 1).
- d. Parking lights will flash once.
- e. LED will flash slowly. If a door is not closed, the siren will chirp 5 times for warning and LED flashes quickly.
- f. Disables engine starter if Interrupt (NC)Relay connected.
- g. After 3 seconds, the system is armed. All the sensors are armed except current sensor. If the alarm is triggered within 3 sec, the siren will chirp twice and the circuit is by-pass till the triggering source is stable. If the current sensor is triggered while armed, the system will bypass till the current is stable for 8 sec.

### **DISARMING**

- a. Press button 2.
- b. Siren will chirp 3 times. If siren chirps 4 times, it means the alarm has been triggered. On silent mode, the siren doesn't chirp but the parking lights flash instead.
- c. Parking lights will flash 3 times, if they flash 4 times it means the alarm has been triggered during arming state.
- d. Dome light will stay ON for 30 sec. max.
- e. Doors will unlock at various speeds (See Function Selection 1).
- f. If no door is open after 30 seconds, the system will enter auto-rearming.

### **SILENT ARMING**

- a. Press button 3.
- b. Parking light will flash once.
- c. Door will be locked (See Function Selection 1).
- d. LED will flash slowly. If door is not closed properly, siren will chirp 5 times to warn and LED flashes quickly.
- e. Engine starter will be disabled if Interrupt Relay connected.
- f. After 3 sec., the system is armed. All the sensors are armed except current sensor. If the alarm is triggered within 3 sec, the siren will chirp twice and the circuit is by-pass till the triggering source is stabilized. If the current sensor is triggered while armed, the system will bypass till the current is stabilized for 8 sec.

### **SET UP EMERGENCY PIN CODE (FACTORY PRESET VALUE: PRESS SWITCH 5 TIMES)**

- a. In disarm, turn ignition ON, and then press button 2 within 10 seconds. After 10 seconds, siren will chirp 4 times which indicates the system is in replace set-up mode.
- b. Press the numbers (1 ~ 9) referring to the selected value within 10 seconds. After 10 seconds, the siren will chirp as many times as the replaced number for confirmation.

### **EMERGENCY OVERRIDE**

- a. In armed mode, if remote control failed or lost, insert the key and turn ignition on.
- b. Press valet switch set-up values within 10 sec ( factory preset value: 5 times). After 10 sec, siren/parking light will sound/flash 4 times. The alarm is then disarmed.

### **AUTOMATIC DOOR UNLOCK**

When the ignition turns from ON to OFF, doors will automatically unlock.

### **AUTOMATIC DOOR LOCK (SEE FUNCTION SELECTION 4)**

When ACC ON, doors will lock after the foot brake is pressed two times.

### **VALET (SEE FUNCTION SELECTION 12)**

- a. Turn ignition ON, within 10 sec press and hold valet switch 3 sec once.
- b. LED will be constantly ON.
- c. In Valet mode: siren chirps twice and parking lights flash twice.
- d. Leave valet mode: Turn ignition ON, press and hold valet switch 3 sec once, LED will be OFF.
- e. In Valet mode, except for the arming function, the other functions remain the same.

## **OPEN DOOR WARNING (SEE FUNCTION SELECTION 21)**

If one of the doors is opened when ignition is on, the parking light will flash 1 minute for warning purpose.

## **LED STATUS**

- In arming mode, the LED flashes slowly.
- In re-arming mode, LED flashes quickly.
- If the alarm is triggered, the LED will flash quickly.

## **PARKING LIGHTS EMERGENCY FLASH**

In armed mode, the parking lights and dome light will flash for 30 seconds if triggered.

## **SIREN EMERGENCY SOUND**

In armed mode, siren or car horn (See Function Selection 15) will sound for 30 seconds if triggered.

## **PANIC**

- Press button 1+2. The siren will sound, parking lights and dome light will flash for 30 seconds.
- Press button 1 or 2 to stop the panic.

## **CAR FINDER**

- The system is armed.
- Press button 1: siren will chirp once, parking lights and dome light will flash 8 sec.
- Press button 3: car finder in silent mode, parking lights and dome light will flash 8 sec.
- Press button 2 to exit car finder.

## **ANTI CAR-JACKING (SEE FUNCTION SELECTION 7)**

- When ignition is ON and the doors are closed, press the button 3 and open the door within 10 seconds to activate anti car-jacking mode. If the door is not opened within 10 sec, the mode is invalid.
- Close the door to start the 30 seconds countdown. The LED flashes quickly.
- When the 30 sec. is up, siren will chirp once every 2 sec. After 20 seconds, siren sounds continuously, also parking lights will flash and engine will be disabled (if interrupt relay connected). Siren will stop sounding & parking lights will stop flashing when ignition stays OFF. Then engine is disabled (if interrupt relay connected).
- Disarm the anti car-jacking: press button 3 for two seconds when ignition is ON, or use the emergency override procedure. The parking lights will flash once for confirmation.

## **AUTO ARM AFTER TRIGGERING**

Siren sounds 30 sec upon triggering. Then, the system returns arming again. If the triggering signal persists, the system will bypass this zone till it returns to normal status.

## **2-STAGE SHOCK SENSOR**

- If car is lightly vibrated once, siren will sound 3 times. If the car is vibrated again within 10 seconds, siren will sound and parking lights, dome light flash for 30 seconds.
- If car receives a heavy shock, siren will sound for 30 sec. and parking lights, dome light will flash for 30 sec.

## **DISABLE ENGINE STARTER**

When arming, there's a 300mA negative output to disable engine.

## **CHANNEL OUTPUT 1**

Press buttons 2 for 2 sec, then have 300mA negative output for 20 sec.

## **CHANNEL OUTPUT 2**

Press buttons 2 + 3, then have 300mA negative output for 1 sec. ( For example, connect to Trunk Release)

## **DOOR LOCK CONTROL**

- While driving: press button 1 to lock doors. The doors are locked automatically.
- While driving, press button 2 to unlock doors. The doors are unlocked automatically.

### CURRENT SENSOR

Alarm will be activated by voltage drop such as dome light, courtesy lights or ignition lights. Current sensor will be bypass for 8 sec detecting while arming till the current is stabilized for 8 sec.

### AUTOMATIC REARMING (SEE FUNCTION SELECTION 10)

After disarming, the system will be re-armed automatically or re-armed with door lock after 30 sec

### LAST DOOR ARMING (SEE FUNCTION SELECTION 8)

- Turn ignition OFF and close the last door. After 30sec, the system will arm automatically or arm with door lock automatically (See Function Selection 9).
- If one of the doors is opened during the above mentioned 30sec period, system will postpone enter arming mode till all doors are closed.

### MEMORY FUNCTION

The alarm will memorize the last conditions before the power was out.

### ADDITIONAL TRIGGER SENSOR

Other trigger sensor can be added which input is negative signal.

### WINDOW CLOSER

Press button 1 for 2 sec, there will be a negative output (20 sec. max.) allows closing windows property.

### FUNCTION SELECTION

The function selection is programmable. Please follow the procedure.

- Disarm the system.
- Turn ignition from OFF to ON
- Press Valet switch 7 times within 10 sec. After 10 seconds, the siren will chirp once.
- Turn ignition OFF when the LED flash once per sec.
- Press the valet switch with the function numbers you would like to select within 20 sec. Siren chirps along with number of times you press the switch. For entering 10 as a short cut, please press and hold the switch for 3 sec. then siren will chirp twice for confirmation.

SELECTABLE FUNCTION	PRE SET VALUE( 1 CHIRP)	VARIABLE SET-UP (2 CHIRPS)
1. LOCK/UNLOCK TIMER	0.5 SEC	3.5 SEC.
4. IGNITION ON WITH DOOR LOCK	ON	OFF
7. ANTI-CARJACKING	ON	OFF
8. LAST DOOR ARMING	ON	OFF
9. LAST DOOR ARMING WITH LOCK	ON	OFF
10. AUTO RE-ARM	ON	OFF
11. AUTO RE-ARM WITH LOCK	ON	OFF
12. VALET	ON	OFF
21. OPEN DOOR WARNING	ON	OFF

### FUNCTION SELECTION FOR REMOTE START MODE

22. STICK SHIFT/AUTO CAR	STICK SHIFT	AUTO
24. GASOLINE/DIESEL	GASOLINE	DIESEL
25. WARM-UP TIME	10 min	20 min
27. WARM-UP STARTING	24 H	N/A
28. WARM-UP STARTING	N/A	12 H
29. WARM-UP STARTING	N/A	8 H
30. WARM-UP STARTING	N/A	4 H
31. WARM-UP STARTING	N/A	2 H
32. DEFAULT	YES	*

**1. Lock/Unlock Timer**

Pre-set: 0.5 sec.

Variable: 3.5 sec.

**4. Ignition ON with door lock**

Pre-set: When the ignition turns from OFF to ON, doors will lock after pressing the footbrake twice.

Variable: When the ignition turns from OFF to ON, door will not lock.

**7. Anti Car-hijacking**

Pre-set: Alarm with anti-carjacking function.

Variable: Alarm without anti-carjacking function.

**8. Last Door arming**

Pre-set: Turn ignition OFF and close the last door. After 30sec, the system will arm itself.

Variable: Delete this feature.

**9. Last Door arming with Door Lock**

Pre-set: lock.

Variable: unlock.

**10. Auto Re-arm**

Pre-set: this feature exists.

Variable: Delete this feature.

**11. Auto Re-arm with lock**

Pre-set: lock.

Variable: unlock.

**12. Valet**

Pre-set: follow the procedure to enter Valet mode.

Variable: delete this feature.

**21. Open door warning**

Pre-set: ON

Variable: OFF

**22. Stick shift Car/ Auto Car**

Pre-set: Stick Shift Car

Variable: Automatic Car

**24. Gasoline/Diesel**

Pre-set: Gasoline.

Variable: Diesel.

**25. Warm-up Time**

Pre-set: 10 min.

Variable: 20 min.

**27. Warm-up time starting**

Pre-set: The car starts warm-up every 24 h.

Variable: N/A

**28. Warm-up time starting**

Pre-set: N/A

Variable: The car starts warm-up every 12 h.

**29. Warm-up time starting**

Pre-set: N/A

Variable: The car starts warm-up every 8 h.

**30. Warm-up time starting**

Pre-set: N/A

Variable: The car starts warm-up every 4 h.

**31. Warm-up time starting**

Pre-set: N/A

Variable: The car starts warm-up every 2 h.

**32. Default**

Pre-set: Return to the factory set-up.

Portman Car Alarm, AM-8000, is approved by FCC.

Notice: The change or modifications which is not approved by the party responsible for compliance would void user's authority to operate the equipment.

**FCC ID:OBDT20H0621**

**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 undesired operation.**