

ALA-20 OWNER'S MANUAL

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INTRODUCTION

GENERAL SPECIFICATIONS

Power Requirements	+ 12 Volts & Negative Ground
Fuse Ratings - Red/White Power wire -	15 Amps
- Red/Parking Flash wire	5 Amps
Current Consumption	Less than 10mA
Arming Delay	3 seconds
Alarm Timer	30 seconds with 6 Cycles Limitation
Automatic re-arm timer	30 seconds from disarming
Passive arming timer	30 seconds from last doors closing
Triggers inputs	Grounded pin switch Optional detection device Positive door trigger Negative door trigger
Grounded output capacity	500mA maximum
Siren wire capacity	3 Amps
Learning limitations	4 transmitters

PROGRAMMING

A. PROGRAMMING THE TRANSMITTERS:

It is important to remember that during programming, each individual step of the procedure must be executed within 15 seconds of the previous step. When 15 seconds time due, the system will automatically exit program mode. A short chirp and a long chirp from the horn indicate this. The maximum programming capacity is 4 transmitters.

1. Enter:
 - a. Turn ignition key to 'on' position
 - b. Turn valet switch 'on-off' 3 times
 - c. There will be 1 short chirp
 - d. Led will flash one time
 - e. Ready for program channel 1 (arm/disarm and panic function)
 2. You can assign any of the transmitter button functions listed below to channel 1:
 - a. Press button #1 on the key chain transmitter
 - b. Press button #2 on the key chain transmitter
 - c. Press both buttons simultaneously on the key chain transmitter
 3. Press and hold the selected choice a, b, or c above, until a long 'chirp' to confirm that programming of channel 1 was successful.
 4. Move the valet/override switch on, then off again.
 5. The dash mounted L.E.D. will flash 2 times, and the siren will chirp 2 time, indicating that the system is ready to accept programming for channel 2, or the trunk release.
 6. You can assign any one of the two remaining button functions listed in 2a, 2b, or 2c above to operate channel 2. You can not use the button(s) that operate channel 1, selected in step 3, to operate channel 2.
 7. Press and hold the selected choice. A long 'chirp' to confirm that programming of channel 2 was successful.
- Exit:
- a. Turn ignition key to 'off' position. Or
 - b. Move the valet switch on then off one additional time. Or
 - c. Leave it for 15 seconds
 - d. There will be a short chirp and a long chirp confirmation.

Note: If more than 4 transmitters programmed, the system only keeps the very last 4 transmitters. The previous transmitters will void automatically (eg. You already programmed 4 transmitters into the system. You may program additional transmitters No. 5 and 6 into the system, the transmitters No. 1 and 2 will be void while No. 3 ~ 6 stays).

B. PROGRAMMING SYSTEM FEATURES:

This system has 4 selectable programming features

1. Enter

- a. Turn ignition key to 'on' position
- b. Turn valet switch on-off 3 times
- c. There will be 1 short chirp, and led flash one time
- d. Again within 3 secs, turn ignition key to off, 1 short on/ro and 1 long chirp, then on
- e. Chirp(s) will emit from siren. (Note: If 1 chirp from siren it means the system is in passive arming. If 2 chirps from siren it means the system is in active arming.)
- f. System in the first programming feature, ready for select Passive/Active arming.

2. Programming first feature (Passive/Active arming)

- a. LED with one flash... pause sequence
- b. Press button 1 to hear chirp(s). (note: press button repeatedly, the siren will emit either 1 or 2 chirps.)
 - 1. One chirp for passive arming
 - 2. Two chirps for active arming.

3. Programming second feature (Turn ignition switch to on position door lock on/off)

- a. Turn valet switch on then off. Chirp(s) will emit from siren. If 1 chirp from siren, it means second feature is on. If 2 chirps means second feature off
- b. LED with two flashes... pause sequence
- c. Press button 1 to hear chirp(s)
 - 1. One chirp system with turn ignition switch to on position door lock
 - 2. Two chirps without above function.

4. Programming third feature (Turn ignition switch to off position door unlock on/off)

- a. Turn valet switch on then off again. Chirp(s) will emit from siren. If 1 chirp from siren it means third feature is on. If 2 chirps means third feature off
- b. LED with three flashes... pause sequence
- c. Press button 1 to hear chirp(s)
 - 1. One chirp system with turn ignition switch to off position door unlock
 - 2. Two chirps without above function

5. Programming fourth feature (Passive/Active door lock)

- a. Turn valet switch on then off again. Chirp(s) will emit from siren. If 1 chirp from siren it means third feature is passive door lock. If 2 chirps means third feature is active door lock
- b. LED with fourth flashes... pause sequence
- c. Press button 1 to hear chirp(s)
 - 1. One chirp system with passive door lock.
 - 2. Two chirps system with active door lock.

6. Programming fourth feature (Arm/Disarm chirp(s) on/off)

- a. Turn valet switch on then off again. Chirp(s) will emit from siren. If 1 chirp from siren it means fourth feature is on. If 2 chirps means fourth feature off.
- b. LED with five flashes... pause sequence
- c. Press button 1 to hear chirp(s)
 - 1. One chirp system with Arm/Disarm chirp(s) on
 - 2. Two chirps without above function

7. Exit

- a. Turn valet switch on then off again. Or
- b. Turn ignition switch off position. Or
- c. Leave it for 15 seconds. The siren will emit a long chirp confirmation

Below is a chart for you to know the programming features.

Turn Valet switch times	LED flash times	Press button 1 (factory preset)	Press button 1
Confirmation		One short chirp	Two short chirps
	1	Passive	Active
1	2	Turn ignition switch on door lock	No
2	3	Turn ignition switch off door unlock	Active door lock
3	4	Passive door lock	No
4	5	Arm/Disarm chirp(s)	No

C. SILENT PROGRAMMING BY VALET SWITCH:

This feature is typically for the user to setup system's Arm/Disarm chirp(s) on feature only that does not need to enter features programming stage. Your system should be in Arm/Disarm chirp(s) on to make the following silent on:

- a. If your system select as Arm/Disarm chirp(s) on, and you desire to select off (silent arm/disarm), you may:
 1. System in disarm condition, turn ignition switch on then off.
 2. Within 10 seconds, turn valet switch on-off three times.
 3. Siren will emit 2 short chirps.
 4. Your system is silent arm/disarm.
- b. If your system select as silent arm/disarm (the above function), and you desire to select it back to Arm/Disarm chirp(s) on, you may:
 1. System in disarm condition, turn ignition switch on then off.
 2. Within 10 seconds, turn valet switch on-off three times.
 3. Siren will emit 1 short chirps.
 4. Your system is Arm/Disarm chirp(s) on.

Note: If the system is already select as Arm/Disarm chirp(s) off in the feature programming. There will be no need to silent programming by valet switch.

OPERATION MANUAL

A. TRANSMITTER OPERATION:

Transmitter Button	System Function	Remark
Button 1	Arm & lock doors / disarm & unlock doors	
Button 1	Silent arm & lock doors / disarm & unlock doors	Hold button 1 over 1 second
Button 1	Panic function	Hold button 1 for 3 seconds
Button 1	Cancel panic function	Hold button 1 for 3 seconds
Button 1	Lock or Unlock the door	In VALET mode
Button 2	Channel 2 output	Hold button 1 for 2 seconds

B. LED INDICATORS:

LED	Function
Off	Disarmed
Slow flashing	Armed
Fast flashing	Passive arming
On - (solid)	Valet mode

C. CHIRP INDICATORS:

Chirp	Function
1 chirp	Arm
2 chirps	Disarm
3 chirps	Defective reminder
4 chirps	Disarm / Intrusion

D. PARKING LIGHT:

Parking light	Function
1 flash	Arm
2 flashes	Disarm
3 flashes	Disarm / Intrusion

E. OVERRIDE / VALET SWITCH:

1. OVERRIDE FUNCTION:

The override/valet switch is used in case of an emergency, such as a lost or malfunction of the transmitter, you can still disarm the system. First turn the ignition switch on, within 15 seconds turn the override/valet switch on then off, the system will be disarmed.

2. VALET MODE

If the vehicle is in for service or park in an area with parking attendants, the system will not ARM with the switch in "valet mode".

- a. To do so, make sure the system is in a disarm condition, then turn the ignition switch on, and within 15 seconds turn override/valet switch to on position, the red led will turns on, indicates the system is in "valet mode".

- b. If the system stays in valet mode, the transmitter still can remote operating lock or unlock the doors, control channel 2, channel 3 output and panic function. Sounding starter disable function.
- c. To return normal operation, while turn ignition switch on, then within 10 seconds, turn over the valet switch to off position. It will exit the valet, with LED off for confirmation.

F. PASSIVE ARMING

This system is equipped with passive arming circuit. If you have chosen the system with passive arming. See installation programming features part. It will operate as below:

- 1. Turn off the ignition switch.
- 2. The LED status indicator will begin to fast flashing and the automatic arming timer will begin its count down.
- 3. The system will count down for 30 seconds, then the system will arm again.

G. SYSTEM OPERATING CONDITION:

		ARM	DISARM	PANIC
1	Siren	1 Chirp	2 Chirps	Sounding 30 seconds
2	Parking Light	1 Flash	2 Flashes	Flashing 30 seconds
3	LED Indicator	Slow Flashing	Fast Flashing	Slow Flashing
4	Vehicle Doors	Locking	Unlocking	Locking
5	Starter Disable	Yes	No	Yes

H. ACTIVE ARMING:

- 1. Press arm button on transmitter.
- 2. The horn will chirp once after 3 seconds the system will be fully ARMED.

I. ACTIVE DISARMING:

- 1. Press disarm button on the transmitter.
- 2. The horn will chirp twice to indicate that the system is disarmed.

J. PANIC FUNCTION:

The transmitter can be used as a remote panic switch to manually trigger the alarm in case of an emergency. To do so, hold down the arm/disarm button or panic button on transmitter for over 3 seconds, and the system will become tripped and the siren will begin to sound. To stop panic alarming, press arm/disarm button for 3 seconds.

K. IGNITION CONTROL POWER DOOR LOCK SAFETY SYSTEM.

The vehicle's doors will automatically lock after the ignition key turn 'on'. And when the ignition key turn 'Off', the doors will automatically unlock. In order to carry this function you must set the system with ignition on doors lock and ignition off doors unlock. (See installation features programming No. 2 & 3.)

L. SAFETY LOCKOUT SYSTEM.

This system is equipped with a safety lockout system, which designs to keep the system from arming itself while you are driving.

M. CHANNEL 2 OUTPUT

Press and hold button 2 for 2 seconds on transmitter to remote control of the channel 2 or other electronic devices.

N. POWER ON SPECIAL FEATURE

Most of alarms will be disarmed when the car battery disconnected and re-connected immediately. However, this system will be triggered and siren begins sounding. This prevents the thief steal your vehicle once he disconnects car battery and re-connect. While ignition switch turn 'on' within 15 seconds, push valet/override switch, will disarm the system.

Note: If the system is in valet condition before the power shut down, when the power reconnected, the system will still remain in valet condition.

Note: If the ignition switch at on position before car battery disconnected, the system will stay in armed mode when re-connected car battery.

O. TRIGGER THE ALARM

While the system is in armed condition, open the doors, hood, trunk or trigger the optional detectors, the siren and parking light will turn on to alerting of an intrusion for 30 seconds. Then it will stop and automatic reset and re-arm. If the one of sensors or detectors still active, the alarm system will sound a maximum of six, 30 seconds cycles.

FOR USA VERSION:

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.

ALA-20 WIRING DIAGRAM

