

SYNC PAGE

APA-3000F

FCC ID: RKE-SYNC0310M
FCC ID: RKE-SYNC0310T

2-Way with LCD
Remote Engine Starter
Vehicle Security System

Operation Manual

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

General:

It is so smart that you can communicate with your vehicle through our 2-Way LCD System.

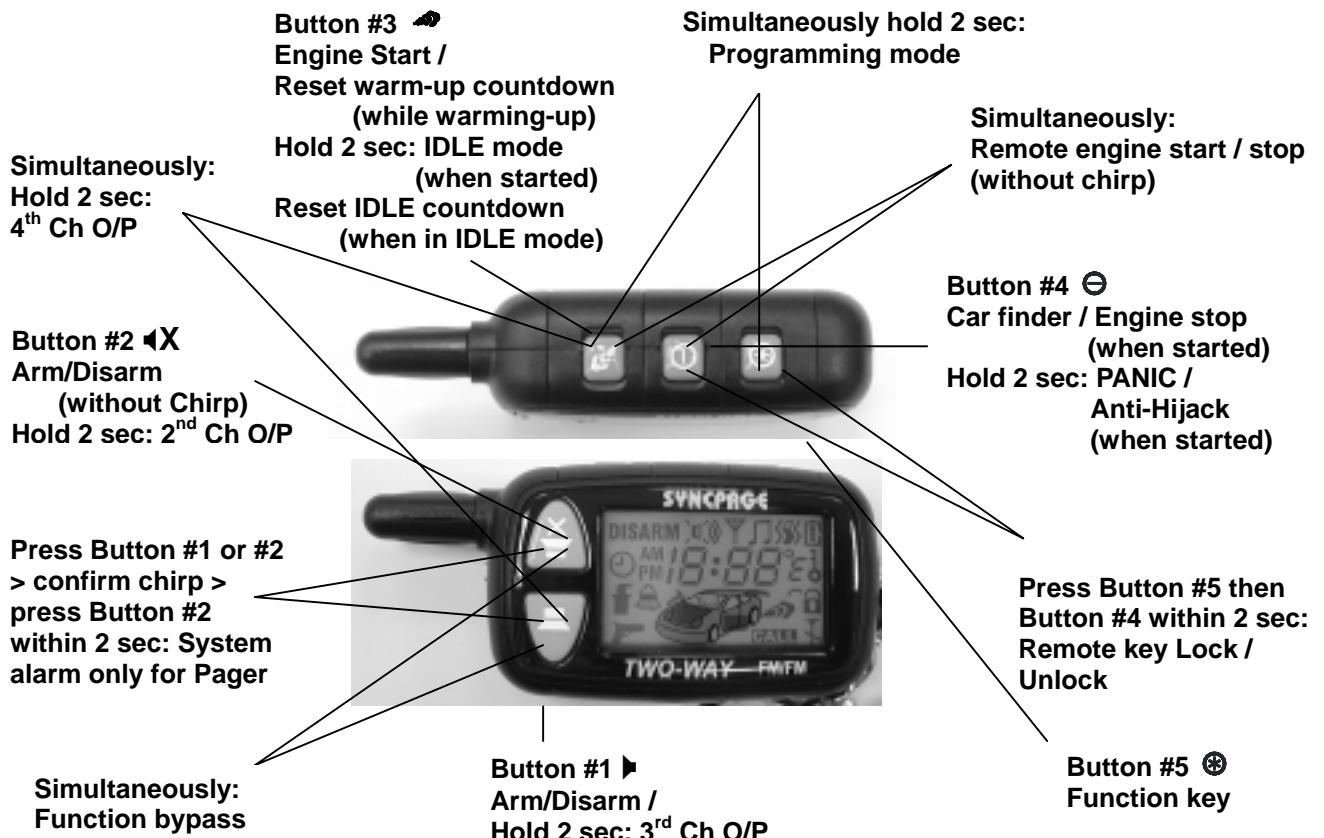
SYNC PAGE APA-3000F is an entirely new approach to vehicle security. Imagine a two-way communication between you and your vehicle. It is designed to report the real time status of your vehicle whenever you want or to notify the alert situation to you through LCD panel Remote automatically. With its complete functions, it can protect your vehicle thoroughly from any unexpected situation and you can control or response to your vehicle with the LCD panel Remote.

If it is in trouble, it contacts you immediately by sending a signal to your LCD panel Remote. If you need to know whether it is inside your range, you can push the Remote button to send a signal to your vehicle. If it is inside the range, it will receive the signal and send a signal back to your LCD panel Remote to confirm your call.

Remote start systems are one of the most popular vehicle accessories. They start your vehicle before you enter, to warm it on a cold day, or cool it down in the summer heat. APA-3000F enhances the convenience of your remote starter.

SYNCPAGE APA-3000F 2-Way LCD System

Buttons and Definitions:



Smart Chirp Sound Indication

Number of Chirps	System Status Description
1	Arm,
2 (Ignition Off)	Disarm
2 (Ignition On)	Exited Valet Mode
3	Door Ajar warning when arming / Sensor bypassed
4	Last event memory
5	Shock Sensor triggered while in arming
6	Car Finder

Smart LED Indicator

LED Mode	System Status Description
Slowly blinking (Ignition Off)	ARMED
Quickly blinking (Ignition Off)	Passive Arm is activating
Slowly blinking (Ignition On)	Anti-Hijack feature is TRIGGERED
Lights "On" Solid	In the VALET mode
Blinking 2 times then pause	Alarm has been TRIGGERED by Door trigger
Blinking 3 times then pause	Alarm has been TRIGGERED by Sensor A trigger
Blinking 4 times then pause	Alarm has been TRIGGERED by Hood trigger
Blinking 5 times then pause	Alarm has been TRIGGERED by Trunk trigger
Stops blinking and lights Off	Disarm (No Passive Arm is programmed)

Standard Functions / Features:	Programmable Features:
<p>One 5-Button FM 2-Way Remote with color LCD display</p> <p>FM to FM 2-Way communication with the vehicle</p> <p>Visual feature activation confirmation via LCD display</p> <p>Tachless required</p> <p>High-frequency at 433.92MHz</p> <p>Remote start</p> <p>Car finder</p> <p>Panic</p> <p>Anti hijack</p> <p>Apply to Diesel engine with timer delay</p> <p>Passive arming</p> <p>Auto rearming</p> <p>Ignition with door Lock / Unlock by Brake pedal</p> <p>Silent Arm / Disarm mode</p> <p>Silent Alarm for Pager</p> <p>45 seconds arming delay</p> <p>Passive engine disable</p> <p>Valet mode</p> <p>Remote Valet mode</p> <p>Channel 3 and Channel 4 for more options</p> <p>CODE override when armed / anti hijack only</p> <p>Arming by-pass</p> <p>Shock Sensor by-pass</p> <p>Automatically by-pass and reset</p> <p>Range check</p> <p>Time display</p> <p>Countdown timer</p> <p>Idle mode timer</p> <p>Engine warm up timer</p> <p>RPM learning and setting</p> <p>Safety RPM sensing</p> <p>No false alarm function</p> <p>High gain receiver to get more range</p> <p>Dual-zone with two adjustment shock sensor</p> <p>Starter disable relay with socket</p> <p>High sensitivity 6 Tone / 20 Watts siren</p> <p>Smart Blue LED</p> <p>Smart Chirp sound</p>	<p>1-1 Passive arming on/off</p> <p>1-2 Passive arming door lock on/off</p> <p>1-3 Ignition on with door lock</p> <p>1-4 Ignition off with door unlock</p> <p>1-5 Silent arming on/off</p> <p>1-6 Auto rearming on/off</p> <p>1-7 45 seconds arming delay on/off</p> <p>1-8 Passive engine disable</p> <p>2-1 No false alarm circuit on/off</p> <p>2-2 Anti hijack circuit on/off</p> <p>2-3 Horn output enable on/off</p> <p>2-4 Sensor defective warning chirp on/off</p> <p>2-5 Engine disable when door lock (Valet mode)</p> <p>2-6 Actuator active time on/off (on = 0.7 sec / off = 4 sec)</p> <p>2-7 Dome light & Channel 3 on/off (on = Dome light / off = Channel 3)</p> <p>2-8 Channel 4 output setting on/off (on = Alarm disable / off = Channel 4)</p> <p>3-1 CODE override on/off (armed / anti hijack only)</p> <p>3-2 Unlock double pulse on/off</p> <p>3-3 3rd Channel disarm on/off</p> <p>3-4 4th Channel disarm on/off</p> <p>3-5 Range check on/off</p> <p>3-6 Ignition off countdown timer on/off</p> <p>3-7 Ignition on countdown timer on/off</p> <p>4 Max ignition CODE number is 6 / Max LED CODE number is 9</p> <p>5-1 Auto lock the door 6 sec after engine starting</p> <p>5-2 External start trigger on/off</p> <p>5-3 Parking light output status when engine started</p> <p>5-4 Tachless function</p> <p>5-5 Cranking timing</p> <p>6-1 DC sensor time lag</p> <p>6-2 Blower motor action</p> <p>6-3 Diesel engine function on/off & timer delay</p> <p>6-4 Tachless cranking timing</p> <p>6-5 Tach sensing cranking off delay time</p> <p>6-6 Idle mode timer</p> <p>6-7 Engine warm up timer</p>

ICONS and Definitions:

A. Remote Buttons:

- ▶ Button #1, Arm / Disarm with chirp / Press and hold 2 sec => 3rd Ch O/P
- ◀ X Button #2, Arm / Disarm without chirp / Press and hold 2 sec. => 2nd Ch O/P
- ▶ Button #3, Remote Engine start / Warm up countdown / IDLE mode / IDLE countdown
- ⊖ Button #4, Engine stop / Car Finder / PANIC / Anti-Hijack
- ⊗ Button #5, Function key

B. LCD Panel:

ARM Armed the system / in some settings, **ARM** = ON

DISARM Disarmed the system / in some settings, **DISARM** = OFF

 Lock doors

 Unlock doors

 Siren chirps while Arming

 When setting “Pager output” at ON

 Battery status

 Antenna ON while transmitting signals or under In-Range test

 Setting for Engine start **ON**

(This ICON will be off after transmitting the signal and Engine start cranking.)

 When Melody is set at **ON**

 When Vibrator is set at **ON** – not yet available

 Time in the morning

 Time at the afternoon

 Temperature –Display present or of the vehicle – not yet available

 When Remote Keys are setting at **Lock**

 1. IGN triggered. 2. When in Countdown mode

 When setting Alarm time

 Anti-Hijack mode

 System calling – not yet available

 1. Vehicle horn setting off while arming. 2. When setting “Pager output” at ON

 Time

 Shock Sensor triggered

 Doors triggered

 Hood triggered

 Trunk triggered

Learning Transmitter CODES

In case of the remote Transmitter is get lost or stolen, or you need an additional new remote Transmitter, it is essential to learn the CODE between new remote Transmitter and System before use it. It is allowed to learn up to 4 different remote Transmitter. Anytime a new code is entered, it will erase automatically the memories of all previous coding Transmitters.

- Entering Learning mode

- 1) Turn the Ignition ON
- 2) To flip Valet/Program switch ON/OFF 5 times and leave it at “OFF” position. You will hear *5 siren chirps* indicating that the system is ready to learn new transmitter codes within next 15 seconds.

- Learning Transmitters

To learn Transmitter code:

- Press Button #1 ► on the first transmitter, Siren will chirp once to confirm that the 1st Transmitter code is entered.
- Press Button #1 ► on the 2nd transmitter, siren will chirp twice to confirm that the 2nd Transmitter is learned, … , siren chirps 4 times to confirm that the 4th Transmitter is learned.

- Exiting Learning mode

There are three ways to exit the Learning mode:

- 1) Turn the ignition key “OFF”
- 2) Do nothing but wait until 15 seconds (When learning less than 4 Transmitters)
- 3) After learning the 4th Transmitter, it will exit Learning mode automatically.

After either of above managements, the system will automatically exit the Transmitter Learning program mode.

Note: If the system doesn’t receive any new codes within 15 seconds or the ignition is turned OFF, the procedure of programming new transmitters will be automatically cancelled and old transmitter codes will remain in system’s memory

Note: As soon as the first new transmitter code is learned, all previously learned codes will be erased. Please learn all your transmitters once again. - Recommended

Remote control Range:

Range can be up to 700 meters (2,100feet) in free air.

It is required to install the Receiver / Antenna as higher as possible in the windshield for better reception.

Remote Engine Start / Alarm System

Model No. APA-3000F

Main Features of Remote Engine Start and Alarm

Remote Engine Start

Remote Engine Start

Before activating Remote Engine Start, please be sure 1.) Ignition is OFF 2.) Shift Lever is stayed on “P” position 3.) Hand brake is pulled up.

- Press button #3  once, siren chirps once, door locked and Parking light will be ON.
- 2 ~5 seconds later, engine begins to start and parking light will turn “OFF”.
- If engine cranks successfully, Heater or air condition turns ON (set the option ON in advance). At the same time, there will be melody from the LCD Transmitter to confirm the engine is started successfully. Engine runs for the time as programmed (from 5 minutes ~25 minutes).
- Press button #1  or #2  to disarm and unlock door (if required), open the door, get in and input car key in IGN and turn to ON position.

Now you are ready to drive.

Note:

1. During running time, Engine will stop as soon as stepping on the brake pedal or hood opening or pulling down the hand brake.
2. At arming status, to open the door will trigger the alarm with engine stopped.
3. If the first start trial failed, engine will automatically restart for another 2 attempts. After 3 trials failed, remotes start function will be cancelled.

Remote engine stop during running time

Press button #4 once, engine will stop with siren gives 1 chirp. Alarm will still be armed and doors locked.

Silent remote start/stop engine – to press button #3 & #4 simultaneously

If silence is preferred, especially in quiet morning, you can remote **Start** the vehicle without making any chirp by pressing button #3  & #4  simultaneously.

Press button #3  & #4  simultaneously again to stop engine silently.

To Override “Remote start” function for service

Turn “Valet / Program Switch” at OFF position to by-pass the “Remote Start Feature” when vehicle is being serviced. “Remote Start” will not function. However keyless entry and alarm still function normally. Of course you may need to set alarm at “Valet” mode for service, please refer to valet mode mentioned in paragraph 31 & 32.. (LED stays ON).

Cautions:

Never operate the “Remote Engine Start” inside garage. Carbon monoxide fumes are lethal.

Always leave the Gear Transmission in “Park” position with the hand brake well setting (some vehicle allow you to remove the key while the Gear Transmission is not in “Park” position).

Do not over-idle your vehicle. Set the running time proper to the temperature. Excessive idling can overheat the catalytic converters, creates unnecessary pollution and some area is illegal.

Features and Operations:

1. Arming the System with chirp

Press Button #1 ► to arm the system after turning off the ignition and closing all the doors. Siren will chirp once, parking lights will flash once, doors will be locked, starter killer engaged, the LED indicator blinking slowly that indicating the system is ARMED.

On Remote:

- ICON  will be shown on the panel while pressing the button #1 ►.
- “ARM” and “Lock” icon  will be shown on the Remote LCD panel with buzzer gives 1 beep while receiving the feedback signals from the System.

Note: If the Alarm is triggered whenever the car is hit, shaken or intruded, the siren and vehicle’s horn (*if feature #2-3 Horn output enable is set at ON*) will instantly sound for 30 seconds and the parking lights will flash for 30 seconds too, then system will be rearmed automatically

If the car was intruded and after 30 sec. cycle, one of the entry points (doors, hood or trunk) is still left open, the siren and vehicle’s horn will continue sounding and parking lights flashing until the entry point is closed within **5 full cycles**. Then the system will rearm bypassing to the open circuits until they are closed again.

** User may want to turn OFF confirmation chirps from the System for a long time. It may set the Programmable Features #1-5 Silent arming at ON.*

2. Door/Hood/Trunk Ajar warning when arming

If the siren chirps 3 times when arming, it reminds the user to check the doors or hood or trunk again if they are well closed.

The Remote buzzer will give 3 beeps and respective triggered ICON  +  or  +  or  +  on the remote LCD panel will flash for 4 seconds and then OFF while you arming the vehicle.

3. Disarming the System with chirp

Press Button #1 ► again to disarm the system. The siren will chirp 2 times, parking lights will flash 2 times, the interior illumination will turn ON for 30 sec., the doors will unlock, Starter Disable Relay will be enabled and LED will goes off indicating that the system is DISARMED.

On Remote:

- ICON  will be shown on the panel while pressing the button #1 ►.
- “DISARM” and “Unlock” icon  will be shown on the Remote LCD panel with buzzer gives 2 beeps.

Note: If LED is blinking fast that means time count down for Passive Arm mode or Auto Rarm mode is either or both programmed at “ON” position.

Note: If the siren “chirps” 4 times and parking lights flash 4 times when you disarm the system, this indicates that the system has been triggered while you were away.

The respective triggered ICON  +  or  +  or  +  will be flashing on the remote LCD panel.

Note: If the ignition is turned ON or the system is armed again during before 30 seconds period while parking lights and interior illumination stay ON upon disarming, the parking lights and interior illumination will turn OFF instantly.

Note: If you want to cancel 30 seconds Rearming Cycle, Just pressing Button #1 ► and #2 ▶X simultaneously for function bypass.

** User may want to turn OFF confirmation chirps for a long time. It may set the Programmable Features #1-5 Silent arming at ON*

4. Arming / Disarming the System without chirp (Silent mode)

Press Button #2  on the remote to arm and disarm the system without chirp but other responses will act the same operation as in Arming / Disarming the System with chirp

If the alarm is triggered by one of the entry points that protected or by shock sensor or auxiliary sensor, the siren will instantly sound and the parking lights will flash.

On Remote:

- ICON  will be shown on the panel while pressing the button #2 .
- “ARM” / “Lock” icon  or “DISARM” / “Unlock” icon  will be shown on the Remote LCD panel with buzzer gives 1 or 2 beeps.

** User may want to turn OFF confirmation chirps for a long time. (Refer to Programmable Features #1-5 Silent arming ON/OFF of installation manual)*

5. Disarming the System when alarm Triggered

When the alarm is triggered with Siren sounding, pressing Button #1  or #2  once will turn off the siren and vehicle’s horn to prevent public nuisance but the system will remain armed and LED will continue flashing.

To press Button #1  or #2  once again, it will disarm the system with parking light flashes 4 times, siren chirps 4 times and door unlocked to confirm the system is disarmed.

On Remote:

- When the alarm is triggered the respective triggered ICON  or  or  or  or  will be flashing for five times with corresponding Melody and then display on the remote LCD panel. If the Melody is set at OFF, it will flash 10 times to instead of.
- When the system is disarmed, the respective ICON will be OFF automatically then “DISARM” and “Unlock” icon  will be shown on the Remote LCD panel with buzzer gives 2 beeps.

Note: After the door is opened, the LED will start blinking a number of times corresponding zone that triggered the alarm, until the ignition is turned ON

6. Programmable Security Auto Rearming (Ex-factory default “ON”)

Alarm resumes arming automatically if ignition has not been turned “ON” and doors remain closed 30 seconds after disarming. This feature is to avoid miss-disarmed.

This feature can be programmed “Off”, please refer to the “programmable features #1-6 “ of installation manual

7. Programmable “Ignition ON with Door Lock” (Ex-factory default “ON”)

When this feature is programmed ON, doors will be locked automatically on 15 seconds after ignition is ON. However, if any of the doors is opened within this 15 seconds after ignition is ON, this feature will be cancelled to prevent being locked out.

** This feature can be programmed “OFF”, please refer to the “programmable features #1-3. “ of installation manual*

8. Programmable “Ignition OFF with Door Unlocked” (Ex-factory default “ON”)

When this feature is programmed ON, doors will be unlocked automatically when ignition is OFF.

** This feature can be programmed “OFF”, please refer to the “programmable features #1-4. “ of installation manual.*

9. Pedal Brake door lock safety feature

This feature works along with programmable feature #1-3 IGN ON with door lock is set at “ON”. Doors will lock upon whichever comes first. This is a very convenient feature. If your passenger gets off the car and close the door, door will be locked as soon as you step on the brake pedal again. Your door will always lock when you are driving.

10. Passive Arm - Last door Arming (Ex-factory default “ON”)

After turning the ignition OFF, get off the vehicle and close the doors (hood and trunk are closed as well), parking light will be flashing and LED start blinking rapidly that indicating the system is in countdown for entering Passive Arming status. 15 seconds later, the system will be armed passively with siren chirps once and parking light shut off.

** This feature can be programmed “OFF”, please refer to the “programmable features #1-1” of installation manual*

Note: If any door, hood or trunk is opened when the last door is closed, this will cancel passive arming feature until they are closed again.

11. Passive Arm with Door Lock (Ex-factory default “ON”)

Door lock will be locked while Passive Arming feature is being activated.

** This feature can be programmed “OFF”, please refer to the “programmable features #1-2” of installation manual*

12. Passive Immobilization – Passive Engine disabled (Ex-factory default “Off”)

You may program the system “ON” so that each time the ignition is turned OFF. 15 seconds later only ignition and starter (optionally) will be disabled no matter if doors are closed or opened, ... etc. In this case the alarm will not be triggered by doors, hood or trunk triggers or sensor ports, but still will be immobilized.

*Note: If you want to program this feature #1-8 “**Passive Engine disabled**” at “ON”, it has to program feature #1-1 “Passive arming” at “OFF” first.*

13. By-pass passive arming Temporary

This feature is designed for your convenience whenever you need to be by pass the “Passive Arming mode” for filling gas, wash your car or you don’t need the alarm temporarily.

After IGN turn OFF, just pressing and releasing button #1 ► and #2 ▲ simultaneously, siren will chirp twice to indicating the “passive arm” is by-passed.

Note: “Passive Arm mode” will stay OFF until you turn the IGN key to ON or press the remote to arm

14. By-pass Auto Rearing Temporary

This feature is designed for your convenience whenever you need to be by pass the “Auto Rearing mode” for you don’t need the alarm temporarily.

After IGN turn OFF, just pressing and releasing button #1 ► and #2 ▲ simultaneously, siren will chirp twice to indicating the “Auto Rarm” is by-passed.

Note: “Auto Rearing mode” will stay OFF until you turn the IGN key to ON or press the remote to arm

15. Shock Sensor by-pass in arming mode.

Press Button #1 ► or #2 ▲ to arm the system under stand-by mode, after receiving the confirmation from the System, to press Button #1 ► or #2 ▲ simultaneously for 2 seconds, siren chirps 3 times with ICON  flashes 5 times on the LCD panel that indicating the Shock Sensor is bypassed until the system is disarmed and armed. Alarm will still be triggered instantly if any door, hood or trunk is opened. Shock Sensor will be activated again upon rearming the system.

16. Dual Stages Shock sensor availability –

Light Touch Trigger – Siren makes 6 chirps

Heavy Touch / impact - Siren will sounding for 30 seconds with Parking Light flashing

17. Door Trigger Delay 45 seconds (Ex-factory defaulted OFF)

Door trigger will be delayed 45 seconds if this feature is programmed at “ON” for the vehicle that equipped with interior light (Dome Light) delay.

18. Door / Hood / Trunk intruded –

Siren will be sounding for 30 seconds

19. No False alarm circuit - Noise abatement with automatic Zone By-Pass

This feature is to limit alarm sounding to 5 duration cycles on Shock Sensor trigger.

If the system received 5 consecutive instant triggers from Shock Sensor within 10 minutes, it will turn off the Sensor for a period of 1 hour. That means the Shock Sensor will be bypassed after triggered 5 cycles within 10 minutes – light touch and heavy touch totally.

Door, hood, and trunk – each 5 consecutive instant triggers within 10 minutes and door, or trunk or hood keep opening, the Zone will be By-Passed for a period of 1 hour

If you want the system to be triggered each time when it receives trigger signal from any trigger or sensor, please turn this program feature #2-1 to “Off” position

20. LED reports Attempt Alert.

The system will inform you if an intrusion attempt has occurred while you were away from the vehicle. If an intrusion attempt has occurred, the siren will “chirp” 4 times when you DISARM the system.

Before open any door, Smart LED indicator will specifically indicate which circuit has been triggered:

- LED is flashing 2 times... pause...2 times...pause, system was triggered by door trigger.
- LED is flashing 3 times... pause...3 times...pause, system was triggered by shock sensor.
- LED is flashing 4 times... pause...4 times...pause, system was triggered by hood trigger.
- LED is flashing 5 times ...Pause...5 times...pause, system was triggered by trunk trigger or optional sensor.

Note: The LED intrusion warning will be OFF when the ignition is turned ON.

21. Last event memory:

If the siren “chirps” 4 times and parking lights flash 4 times when you disarm the system, that indicating the system has been triggered while you were away.

22. Interior illumination - Dome light (Ex-factory Default “ON”)

When the system is disarmed, Dome Light will be turned “ON” for 30 seconds or to turn OFF by ignition “ON”.

23. Automatic delay detection

When arming, if door or hood or trunk has not been closed well, the sensor will be by-pass until it closed again. But system will still be armed.

24. Remote Trunk Release (2nd channel output)

To remotely open the trunk, press and hold Button #2  for over 2 seconds while the system is disarmed and the ignition is turned OFF.

25. 3rd Channel Output (Ex-factory default Off)

To activate the accessory controlled by 3rd channel output, press and hold Button #1  for 2 second. This channel is a pulse output.

* You may set programmable feature #2-7 for 3rd Channel output or Dome Light.

26. 4th Channel output

To activate 4th channel output, press and hold both button #1  and #3  simultaneously for 2 seconds. It will give you a negative output of 0.7 sec. The channel is ready for window roll up or down or turn on any accessory (optional relay or module is required)

* You may set programmable feature #2-8 for 4th Channel output or Alarm disable.

27. Programmable for air compressor central lock pulse duration - such as Benz or Audi

The ex-factory default is set at “ON” for 0.7 second for door locking / unlock pulse. You may program to set at 4 seconds for door locking / unlocking pulse to comply with the locking system that original equipped.

Please see “Programmable Features #2-6” section of installation manual.

28. Idle mode – Delivery or courier vehicle feature

At engine running status with shift auto-transmission at “P” position and pull hand-break up, to press and hold button #3  for 2 seconds, Siren makes 1 chirp to confirm IDLE mode activating and parking lights turn solid ON. Now the car key can be taken out from the key barrel with engine keeps running. The user now may open the door and leave the car safely. Close the door and press Remote button #1  or #2  to arm the car. Engine will be disabled upon alarm is triggered or user steps on the break pedal.

At engine running time, Press Button #1  or #2  to disarm the alarm system and turn car key at “IGN ON” position, idle mode is de-activated automatically.

Please see “Programmable Features #6-6” of installation manual for longer idle mode timing)

29. Car finder

Press and release Button #4  while the vehicle is not started, parking lights flashing 6 times and Siren 6 chirps.

30. Panic

Under arming/Disarm mode: depress and hold button #4 for 2 seconds, parking light will flash, siren will sound for 30 seconds and then rearm, no matter it has been armed or disarmed before Panic mode activating.

Under Valet Mode: depress and hold button #4 for 2 seconds, parking light will flash, siren will sound for 30 seconds and then enter Valet mode again.

31. Anti-Hijack (Ex-factory defaulted “OFF ”)

When this feature is programmed at “ON”, to press & hold Button #4  for 2 sec while engine is ON, siren will chirp once with parking light flashing once too, indicating the Anti-Hijack function is on “stand-by ” status. User can operate this function standing-by while driving. Once this function is standing-by, it will be triggered by any door is opened and closed.

If you are forced to leave the vehicle, the Anti-Hijack function will be triggered while opening and closing the door.

On Remote:

- When this function is standing-by, the respective ICON  will be shown on the Remote LCD panel

Anti-Hijack sequence--

After the Anti-Hijack arming is triggered, the following sequence will take place.

- L.E.D. will start to flash quickly and this will provide necessary delay to stop the vehicle at some distance from you.
- 30 seconds after LED started blink, the siren will sound with parking lights flashing continuously.
- After siren sounding for 30 seconds, the starter will be disabled and will prevent the vehicle from being restarted.
- The siren and the parking light flashes will stop automatically after 10 minutes and the alarm will rearm.

There are two ways to disable “Anti-Hijack mode” at any time by the following procedure:

- To turn the ignition, “ON”
- To flip the Valet/Program switch from ON to OFF position.

Note: While Anti-Hijack feature is being triggered, remote will not function until Anti-hijack mode is OFF.

Note: If system is in valet mode, LED will not be lighting “On” solid after Anti-Hijack de-activated, unless Valet mode is reset “On” again.

32. Valet Mode by Switch

You may need to put the system in the Valet mode at the service station or valet parking in case that you don’t want to leave transmitter to the personnel.

When the system is entering the Valet mode, ICON “**DISARM**” will be disappeared from the transmitter LCD panel.

To activate “Valet mode”

- Turn on the ignition key
- Within 5 sec. turn the Valet/Program button to OFF for 3 sec.
- LED will turn on solid, indicating that the system is entering the Valet mode.

To exit “Valet mode”

- Turn on the ignition key
- Within 5 sec. turn the Valet/Program button to OFF for 3 sec.
- 2 short chirps and LED will turn OFF, indicating that the system is exiting the Valet mode

Make sure that the installer has shown you the location where the Valet / Program Switch is mounted and explained how to use it.

33. Valet Mode by Remote

User can also activate or exit Valet Mode via transmitter as follow:

To activate “Valet mode”

- Turning On the ignition
- Then within 5 sec. press and hold Button #2  + Button #4  simultaneously for 2 seconds.
- LED will turn on solid, indicating that the system is entering the Valet mode

To exit “Valet Mode”

- Turn on the ignition key
- Then within 5 sec. press and hold Button #2  + Button #4  simultaneously for 2 seconds.
- 2 short chirps, LED will turn OFF, indicating that the system is exiting Remote Valet mode.

Note: When system is in the Valet mode, the Remote Panic feature and Remote Door Locking & Unlocking will remain operated.

Note: When system is in the Valet mode, Passive Engine Disable feature will not operate.

34. Emergency Override function. (by switch)

The Valet / Program switch allows you temporarily to override all alarm system functions in case you lost or forgot your remote transmitter, or if the transmitter fails to disarm the system (Override function).

- Open the door (the alarm will sound, parking lights will flash,)
- Turn on the ignition key
- Within 5 sec. turn Valet / Program switch from ON to OFF position.
- The alarm will stop sounding and parking lights will stop flashing, you will hear 2 chirps, parking lights will flash 2 times, LED will turn “OFF” indicating that the alarm is overridden and the vehicle can now be started.

Note: Alarm overridden, system will be automatically armed after ignition OFF 15 seconds if programmable feature #1-1 “Passive Arm” was programmed OFF and programmable feature #1-8 “Passive Engine Disable” was programmed ON.

35. Code-override (Ex-factory defaulted “ 1 , 1 ”)

Code-override performs higher level of security than Valet / Program switch. Because only right code and right process must be performed at right period in order to disable the system. If you prefer Code-Override, ask your dealer or installer to program for you or you might do it yourself.

Programming Coded override:

First digital code is from 1 to 6. This digit number represents the number of times to turn IGN Key switch ON/OFF.

Second digital code is from 1 to 9. This digit number is the times of the LED flashes.

Process of programming Code-override

First of all you must activate program #3-1 to ON (refer to the programming feature)

a.) First Digit input

- To enter programmable feature page 4.
- To flip Valet switch OFF/ON once, then to step and release Brake Pedal once to confirm your selection and siren will chirp once to confirm.
- To flip Valet switch OFF/ON for the times corresponding to the first digit that you are going to chose for the PIN code. Siren will chirp the same to correspond your every flip (once, twice, 3 times, ... max. 6). Then, to step and release Brake Pedal once to confirm your selection.
- Siren will chirp 3 times to confirm your selection is successfully.

b.) Second digit input

- To flip Valet switch OFF/ON twice, then to step and release Brake Pedal once to confirm your selection and siren will chirp once to confirm.
- To flip Valet switch OFF/ON for the times corresponding to the first digit that you are going to chose for the PIN code. Siren will chirp the same to correspond your every flip (once, twice, 3 times, ... max. 9). Then, to step and release Brake Pedal once to confirm your selection.
- Siren will chirp 3 times to confirm your selection is successfully.

After above input procedures, close the door to exit program mode. Your two personal digit code have been accessed. Be sure you write down for future use.

To override the system by using your personal digital code:

With your personal digit code ready, follow the process below --

- Open the door and alarm will be triggered immediately.
- Turn IGN key ON then OFF.
- Within 5 seconds turn IGN key switch ON/OFF with the number of times same as your first digital number that chosen before.
- 3 seconds later, the LED will stay ON for 2 seconds then goes out if you put in the right code.
- Then the LED begins to flash. As soon as it flashing to the times same as your second digital number that chosen before, turn the IGN key switch ON immediately. The alarm will be deactivate, and system will stay in Valet mode, LED will stay ON solid

Note: You only have 3 chances to override the system. If you fail in the third trial, you must wait for 10 minutes and try again.

Note: When coded override is selected the valet /program switch will **not** function.

36. Pager Output

To press Button #1 ► or #2 ▲X once, after receiving the confirmation chirp from the System, to press Button #2 ▲X once again within 2 seconds, the Pager output function will be activated.

Remote Transmitter Operations – Button #5

Functions operation of Button #5  are including: LCD Back Light - Timer / Reminder checking & deleting / Setting mode / Default / Sleep mode & Wake up

1. Timer

- To press and release Button #5  not more than 2 seconds, LCD back light will turn ON solid for 2 seconds.
- To press button #5  again while LCD back light is ON, **present time** will display on the LCD.
- To press button #5  again, the setting **alarm timer** will display on the LCD for 2 seconds and then back to present time (if alarm time has been set before).
- To press button #5  again, **Engine start timer** will display on the LCD for 2 seconds and then back to present time (if Engine start timer has been set before).
- To press button #5  again, **Engine cranking countdown timer** will display on the LCD (if Engine cranking countdown timer has been set before).
- To press button #5  again, **IGN OFF countdown timer** will display on the LCD for 2 seconds and then back to present time (if IGN OFF countdown timer has been set at ON before).
- To press button #5  again, **IGN ON countdown timer** will display on the LCD for 2 seconds and then back to present time (if IGN ON countdown timer has been set at ON before).

Note: If any of above timer is not set before, the pressing of button #5  will go to next display automatically.

2. Remote button key lock

To press and release Button #5  not more than 2 seconds, LCD back light will turn ON solid for 2 seconds. To press button #4  while LCD back light is ON, the **Remote button key lock** will be set at ON with ICON  display on the LCD panel or OFF with ICON  disappear.

3. Press and Hold 2-4 seconds (Beep * 1): Reminder Checking

To press and hold Button #5  for 2-4 seconds, LCD back light will turn ON solid for 2 seconds with buzzer gives 1 beep indicating the Remote transmitter is now may execute the function of **Reminder checking** after release the button #5 before 4 seconds –

- If there is any trigger happened before, the respective ICON and Melody will be displayed immediately.
- If there are 2 or more triggers being triggered before, the respective ICONs and Melody will be displayed immediately. The representative Melody will be displayed with priority of Door -> Hood -> Trunk and whichever the trigger is triggered.
- After displaying the ICONs and Melody, the Reminder memory will be deleted automatically.
- If there is no trigger being triggered before, the LCD display will make no action at all.

4. Press and Hold 4-6 seconds (Beeps * 2): Setting (by button #3)

To press and hold Button #5  for 4-6 seconds, buzzer gives 2 beeps, LCD back light will turn ON solid while releasing the button #5  that indicating the Remote transmitter is now may program the function of **Setting** for the following items –

a.) Timer Adjustment (H & M)

- When release button #5 , LCD back light will turn ON solid and Timer Adjustment (H & M) will be displayed on the LCD panel with **H** digit flashing.

- To press button #1 ► to adjust Hour. Every short press will make **H** digit up roll one by one. If you press and hold button #1 ► for more than 1 second, it will make **H** digit rolling up faster until you release button #1 ►.
- To press and release button #2 ▲ once to change to adjust Minute with **M** digit flashing.
- Every short press will make **M** digit up roll one by one. If you press and hold button #1 ► for more than 1 second, it will make **M** digit rolling up faster until you release button #1 ►.

b.) Alarm Timer (H & M)

- To press and release button #3 🔈 once within 8 seconds, buzzer gives 1 beep, **Alarm Timer (H & M)** and  ICON will be displayed on the LCD panel with **H** digit flashing.
- To press button #1 ► to adjust Hour. Every short press will make **H** digit up roll one by one. If you press and hold button #1 ► for more than 1 second, it will make **H** digit rolling up faster until you release button #1 ►.
- To press and release button #2 ▲ once to change to adjust Minute with **M** digit flashing.
- Every short press will make **M** digit up roll one by one. If you press and hold button #1 ► for more than 1 second, it will make **M** digit rolling up faster until you release button #1 ►.
- After adjusting Alarm Timer time, press and release button #2 ▲ once again, **ARM** or **DISARM** will be flashing on the LCD panel.
- To press button #1 ► to set **Alarm timer** ON (**ARM** = ON) or OFF. (**DISARM** = OFF)
- When you set **Alarm** Timer ON, the respective ICON  will be displayed on the LCD panel while the function is OFF.

c.) Engine start timer – Preset Engine start timer

- To press and release button #3 🔈 once again within 8 seconds, buzzer gives 1 beep, preset **Engine start Timer (H & M)** and  ICON will be displayed on the LCD panel with **H** digit flashing.
- To press button #1 ► to adjust Hour. Every short press will make **H** digit up roll one by one. If you press and hold button #1 ► for more than 1 second, it will make **H** digit rolling up faster until you release button #1 ►.
- To press and release button #2 ▲ once to change to adjust Minute with **M** digit flashing.
- Every short press will make **M** digit up roll one by one. If you press and hold button #1 ► for more than 1 second, it will make **M** digit rolling up faster until you release button #1 ►.
- After adjusting **Engine start Timer** time, press and release button #2 ▲ once again, **ARM** or **DISARM** will be flashing on the LCD panel.
- To press button #1 ► to set **Engine start timer** ON (**ARM** = ON) or OFF. (**DISARM** = OFF)
- When you set **Engine start** Timer ON, the respective ICON  will be displayed on the LCD panel while the function is OFF.

d.) Melody – setting Melody ON/OFF

- To press and release button #3 🔈 once again within 8 seconds, buzzer gives 1 beep, and  ICON will be displayed on the LCD panel with **ON or OFF** flashing.
- To press button #1 ► to set **Melody** ON or OFF.
- When you set **Melody** ON, the respective ICON  will be displayed on the LCD panel while the function is OFF.

e.) Vibrator – not yet available

- To press and release button #3 🔈 once again within 8 seconds, buzzer gives 1 beep, and  ICON will be displayed on the LCD panel with **ON or OFF** flashing.

- To press button #1 ► to set **Vibrator** ON or OFF.
- When you set **Vibrator** ON, the respective ICON  will be displayed on the LCD panel while the function is OFF.
- (*This function is not yet available for APA-3000F at this moment.*)

f.) In-Range Test

- To press and release button #3  once again within 8 seconds, buzzer gives 1 beep, and  ICON will be displayed on the LCD panel with **ON or OFF** flashing.
- To press button #1 ► to set **In-Range Test** ON or OFF.
- When you set **In-Range Test** ON, the respective ICON  will be displayed on the LCD panel after the function is OFF.

g.) Chime

- To press and release button #3  once again within 8 seconds, buzzer gives 1 beep, and **:00** will be displayed on the LCD panel with **ARM** or **DISARM** flashing.
- To press button #1 ► to set **Chime** ON (**ARM** = ON) or OFF. (**DISARM** = OFF).

It will give 4 beeps when chime.

Note:

- a.) The programming mode will be exited while button #5  being pressed and buzzer will give 3 beeps to confirm.
- b.) If without button #5  or any other button being pressed within 8 seconds, the programming mode will be exited automatically with buzzer gives 3 beeps.

5. Press and Hold 6-8 seconds (Beeps * 3): return to Factory Default setting)

To press and hold Button #5  for 6-8 seconds, buzzer gives 3 beeps indicating the Remote transmitter is now return to Factory Default setting –

- **Timer** remains unchanged.
- **Alarm Timer** at **PM 12:00** and OFF
- **Melody** will be at ON with ICON  display on the LCD panel.
- **Vibrator** will be OFF.
- **In-Range Test** will be OFF.
- **Chime** will be OFF.
- **DISARM**

6. Press and Hold 8 seconds and up: Sleep mode ON/OFF

- **Sleep:** To press and hold Button #5  for more than 8 seconds, buzzer gives 3 beeps then a melody indicating the Remote transmitter is now entering **Sleep mode** and the LCD panel will be shut off while releasing button #5 .
- **Wake up:** To press and hold Button #5  for more than 8 seconds, a melody will be played with LCD panel **wake up** while releasing button #5 .

Important note

Please make RPM learning immediately once installation is O.K. and Remote engine start is able to function.

- 1. Make RPM Learning when engine is cold***
- 2. Make RPM LEARNING SECOND TIME AFTER Engine warmed up***

RPM Learning Mode

- 1. Turn Valet/Program switch at “On” position**
- 2. Then IGN ON/OFF 5 times and leaves it at Off position**
- 3. Parking lights one flash**
- 4. Step on Brake Pedal**
- 5. 2 seconds later, siren one long chirp and parking lights automatically turn “ON” solid itself.**
- 6. Use car key to start engine, once engine running, you can leave your step off from the brake pedal.**
- 7. 15 seconds later, siren one long chirp and 4 short chirps and parking lights automatically turn “Off” itself indicating RPM Learning successfully**

Note: If parking lights turn “off” itself 30 seconds later that indicating RPM learning is failed, please proceed again as the above

NOTE

- 1. Avoid environment hazard, please do not start engine inside garage.**
- 2. Avoid pressing remote transmitter unnecessarily.**
- 3. Use new battery in remote transmitter for better operation. If reception get weaken.**
- 4. Read Manual carefully.**