



RF-420LCD

PROFESSIONAL VEHICLE SECURITY SYSTEM

OPERATION MANUAL

THIS PRODUCT IS DESIGNED FOR PROFESSIONAL INSTALLATION ONLY

TRANSMITTER OPERATION:

| Transmitter Button | System Function | Remark |
|--------------------|---|-------------------------------------|
| | Lock Doors & Arm System | |
| | Panic function | Press and Hold for 3 seconds |
| | Car Locator | Under armed mode |
| | Arm and Delete The 2 Stage Shock Sensor | Press twice within 3 seconds |
| | Silent Arming / Disarming | Ignition in "off" position. |
| | Unlock Doors & Disarm System | |
| | Two Steps Door Unlock & Disarm System | Press twice within 3 seconds. |
| | Trunk Release (Channel 2) | Press and Hold for 2 seconds |
| | Passive Arming By-pass | While the system Disarmed. |
| | Silent Arming | |
| | 3 rd Channel | Press buttons together |
| | 4 th Channel | Press buttons together |
| | Switching code For 2nd Car Operation. | For regular remote transmitter Only |

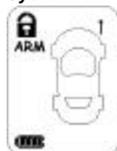
ACTIVE ARMING – LOCK & ARM:

1. Press button on transmitter.
2. The siren will chirp once and parking light will flash once indicating that the system is now armed. The vehicle doors will lock upon arming when interfaced with the security system.

Note: Defective sensor reminder:

If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar.

System Arm



Door Ajar



Trunk / Hood Ajar



AJAR WARNING:

If the siren sounds 3 chirps, then you have left a door, trunk, or hood lid ajar.

SILENT ARMING / DISARMING: Press the button on the transmitter to arm or disarm your security system with no chirp sound heard; arm / disarm confirmation will be through the vehicles parking lights only.

SHOCK SENSOR / OPTIONAL SENSOR BY-PASS:

Press the button on the transmitter twice within 3 seconds will arm the security system, by-pass the shock sensor or the optional sensor connected to 4 pin plug. The system will chirp one additional time to confirm the sensor bypass mode was activated. The sensor bypass feature is programmed to activate for one arming cycle only. The security system will return to normal operation during the next arming cycle.

PASSIVE ARMING:

Active arming / disarming is controlling your security system via the remote transmitter. This security system is equipped with an optional Passive Arming feature, which allows the security system to arm 30 seconds after the last door is closed. Operation is as follows.

1. Turn the ignition to the "OFF" position and exit the vehicle.
2. After all entrances are closed, the security system LED will flash fast for 30 seconds. If you reopen any door / hood / trunk, the security system LED will stop flashing. It will begin flashing again once all vehicle entrances are closed.
3. After 30-second timer has elapsed, the security system will automatically "ARM". The siren will chirp [1] time and the parking lights will flash [1] time.

PASSIVE DOOR LOCKING:

The vehicle doors will automatically lock after passive arming cycle has been completed.

PASSIVE ARMING BY-PASS: While the system disarmed, press the  buttons twice, the security will respond with [1] chirp and LED will turn "ON". The security system will remain in this temporarily state for as long as you wish. To exit passive by-pass, press the  or  button and the system will return to normal status.

ACTIVE DISARMING – UNLOCK & DISARM:

1. Press the  button on the transmitter.
2. The siren will chirp twice and parking lights will flash twice to indicate that the security system is now disarmed. The vehicle doors will unlock and disarm when interfaced with the security system.

System Disarm



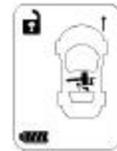
Trunk/Hood Trigger



Doors Trigger



Shock Sensor Trigger



Ignition Trigger



Clear the Flash Icon and Melody Sound: Cycle Ignition then press the  button first, within 3 seconds press  and  buttons at the same time. It will clear the flash icon and melody sound on the LCD screen transceiver

TAMPER DISARMING: If the alarm is triggered; upon disarming of the system, the siren will chirp 4 times and parking lights will flash 3 times.

PATHWAY ILLUMINATION: This feature turns the parking light "ON" for 30 seconds upon a unlock signal and for 10 seconds upon the lock signal if programmed.

TWO STEP DOOR UNLOCK: This feature will independently unlock the driver's door only when disarming the security system. Pushing the  button on the transmitter a second time within 3 seconds will unlock the entire vehicle. (Additional installation required)

AUTOMATIC RE-ARM: If this feature is selected, the security system will automatically re-arm itself 60 seconds after disarming with remote transmitter. Automatic rearm will cancel if any door is opened before the 60 seconds timer has elapsed.

DISARMING WITHOUT A TRANSMITTER

The Override function may be used if the remote transmitter is lost or inoperative.

1. Enter the vehicle and turn the ignition switch to 'ON' position. (Alarm will sound.)
2. Within 10 seconds push and release the valet switch

The alarm will stop sounding and enter the disarm mode. You can now start and operate the vehicle normally.

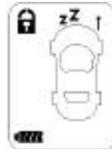
VALET MODE:

The valet switch allows you to temporarily bypass all alarm function, eliminating the need to hand your transmitter to parking attendants or garage mechanics. When the system is in valet mode, all alarm functions are bypassed, however, the remote panic feature and remote door locks will remain operational.

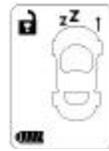
Enter Valet Mode:

1. From the disarmed condition, turn the ignition to "ON" position.
2. Push and hold valet switch for 2 seconds until the LED turns on. The LED will remain on as long as the system is in 'valet mode'.

Remote Door Lock



Remote Door Unlock



Exit Valet Mode:

1. Return to normal operation, turn ignition 'ON'.
2. Push and hold valet switch for 2 seconds; the LED will turn off indicating the system is exiting the valet mode.

POWER ON MEMORY:

This security system is equipped with circuitry that will allow the unit to remember its alarm state if the power is lost and then reconnected.

PANIC FUNCTION:

The transmitter can be used as a remote panic switch to manually trigger the alarm in case of emergency.

1. Press and hold the  button on the transmitter for 3 seconds. The alarm will immediately sound.
2. During panic mode, the normal function of this transmitter button will be suspended. The  and  buttons can be used to lock and unlock the doors (if the option is installed), however once the  button is pressed, the vehicle's starter disable device, (where installed) will be enable allowing the vehicle to start.
3. To stop the alarm, press and hold the  or  or  button on the transmitter for 3 seconds. Also if the  button is pressed and released, the panic mode will be turned off immediately.
4. If the button is not pressed, the alarm will automatically stop after 30 seconds.

TRIGGER THE SYSTEM

When armed, your vehicle is protected as follows:

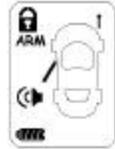
1. Light impacts will trigger the warn-away signal. A long chirp from siren/horn.
2. Heavy impacts / Doors open / Hood open / Trunk open / Turning on the ignition switch-All will trigger the programmed sequence.

The starter disable relay (if installed) prevents the vehicle's starter from cranking. The siren and parking lights will turn on to alert of an intrusion for 30 seconds. Then the siren will stop and automatically reset and re-arm. If any of the sensors or detectors are still active, the alarm system will sound a maximum of three-30 second cycles.

Trunk/Hood Trigger



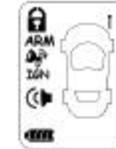
Doors Trigger



Shock Sensor Trigger



Ignition Trigger



Warn-away Trigger Clear the Flash Icon and Melody Sound: Cycle ignition then press the  button first, within 3 seconds press  and  buttons at the same time. It will clear the flash icon and melody sound on the LCD screen transceiver



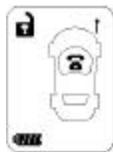
NOISE ABATEMENT CIRCUIT:

Your system has "Noise Abatement Circuit". It prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental condition such as thunder, jackhammers, airport noise, etc. Here's how "Noise Abatement Circuit" works: The alarm triggers five times. Each time, the same sensor or switch is triggering the alarm. "Noise Abatement Circuit" will interpret this pattern of triggers as false alarm. After the fifth trigger, "Noise Abatement Circuit" ignores, or bypasses, that sensor or switch until the other sensor or switch is triggered.

"Noise Abatement Circuit" covers doors (Hood/Trunk) differently: If the alarm is triggered by an open door for three full cycles, the doors will be bypassed until the trigger ceases.

DRIVER PAGING (For two-way transmitter operation only)

It is useful in the event that someone wants to page the driver of the parked vehicle. With the ignition switch in the "off" condition, press the  button on the window mount antenna once to page the driver, one chirp sound shall be emitted from the vehicle and the paging melody continues sounding from your Remote LCD Transmitter and "" indication flashes on the LCD screen.



IGNITION CONTROL DOOR LOCKS.

If the vehicle's door locks have been interfaced to the security system, the system will automatically lock the vehicle's doors when the ignition is turned "ON" and /or unlock the vehicle's doors when the ignition is turned "OFF".

TRUNK RELEASE.

Press and hold  button on transmitter for two seconds to remote control the trunk release or other electric devices.

CHANNEL 3 CONTROL OUTPUT

Press the  +  buttons on the transmitter to active Channel 3 function

CHANNEL 4 CONTROL OUTPUT

Press the  +  buttons on the transmitter to active Channel 4 function.

CAR LOCATOR

Under Armed mode, press the  button on the transmitter to active car locator function. The siren will chirp 6 times. The parking light will flash 12 times, for you to easily locate your car.

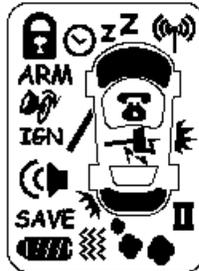
DOME LIGHT CONVENIENCE DELAY & SUPERVISION

The alarm with a unique feature which will turn on your vehicle dome light as following:

1. Upon disarming, the interior lights will remain on for 30 seconds.
2. If the vehicle is intruded, the interior light will flash for the same duration as the siren.

Note: Turn ON the ignition switch or arm the alarm will turn off the dome light.
(Additional installation required)

LCD REMOTE CONTROL TRANSMITTER :

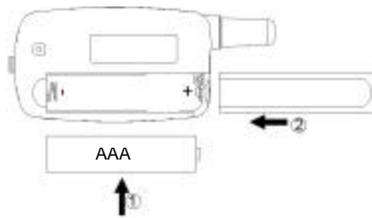


Note: If the system is interfered by stronger radio frequency around, sources of high voltage electric power or such obstacles like tall buildings and so on, the transmission range may get shorter as the system uses low output powered frequency.

BATTERY REPLACEMENT:

A 1.5V type AAA Alkaline battery powers the Remote Transmitter. When the power of the battery weakens a  icon shall be displayed on the LCD screen. When the old battery is replaced to new one, there will be beep sounds indicate the power is up.

Note: Press the  button two times when the battery compartment is empty, and then insert the new battery.



THE REMOTE LCD ICONS WITH FUNCTION:

- | | | | |
|---|---|--|---|
|  | Door Lock Your vehicle doors are locked |  | Door Unlock Your vehicle doors are unlocked and the system is Disarmed |
|  | Armed Mode Your vehicle is in armed mode |  | Valet Mode All the function shall be temporarily on hold. |
|  | Remote Transmission You are transmitting the signal to control unit |  | In – Range Indicator You are within the remote control range. |
|  | Trunk/Hood Trigger Trunk or Hood is illegally opened (Zone 2) |  | Door Open Warning Doors are illegally opened (Zone 3) |
|  | Shock Sensor Trigger Trigger on Shock Sensor (Zone 4) |  | Ignition Trigger Trigger on Ignition Switch (Zone 5) |
|  | Warn Away trigger Trigger on Shock Sensor (Zone 1) |  | Low Battery You have to replace the battery of remote control. |
|  | Vibration Mode Remote Control vibrates when the system is triggered |  | Driver paging / Lose and Found Someone is paging you in front of your vehicle |
|  | Power Save Mode Save the battery power | | |

PROGRAM MODE FOR LCD REMOTE CONTROL TRANSCIEVER:

| Transceiver Button | System Function | Remark |
|---|--|------------------------|
| Program Mode -  | Switching code for 2nd / 1st Car Operation | Press within 5 seconds |
| Program Mode -  | Melody / Vibration Mode | Press within 5 seconds |
| Program Mode -  | Power Save Mode | Press within 5 seconds |
|  | LCD screen lamp turns on for 5 seconds. | |
|  -  +  | System's Status Check | Press within 3 seconds |
|  -  +  | Clear the Flash Icon and Melody Sound | Press within 3 seconds |

1. Second Vehicle Security Operation: Your remote transmitter can be utilized to control a second vehicle Autopage security system . To program the remote control transmitter to a second vehicle, follow the instructions for Transmitter programming. All programming parameters are the same except for the following:

For Regular Remote Control Transmitter:

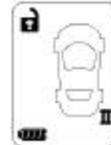
1. Prior to pushing any button on the transmitter. Press the Select **II** button first on the standard transmitter.

2. Once **II** button is pressed the LED on the transmitter will illuminate for 3.5 seconds. While the LED is illuminated, press the button for the function you want to operate on the standard remote transmitter to control a second vehicle security system .

For 2-way LCD Remote Control Transceiver:

2nd Car Operation: While the "II" icon display on the LCD screen , you can remote control and communicate with a second Autopage AM frequency security system. It has two short "beep" sounds while pressing the button of the LCD screen transceiver

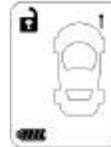
1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. LCD Programming has now been entered.
2. Within 5 seconds press and hold  button until **two** beeping sounds is heard and the "II" icon will display on the LCD screen to indicate the second transceiver pin code has built-in.
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.



Back to First Car Operation:

You can remote control and communicate with a first vehicle security system. It has **one** short "beep" sound while pressing the button of the LCD screen transceiver.

1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. Programming has now been entered.
2. Within 5 seconds press and hold  button until **one** beeping sound is heard.
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.



Vibration / Melody Mode:

Vibration mode is useful when you are in a noisy place and it is difficult to hear beep sound from the remote control. In this mode the remote control will vibrate if your security system is triggered.

1. Press and hold all four remote control buttons simultaneously unit one long beep is heard. Programming has now been entered.
2. Within 5 seconds, press the  button to select the mode of vibration or melody, the  icon will displayed on the LCD screen to show the LCD remote transceiver is on vibration mode.
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.



Power Save Mode:

While in the power save mode, the LCD remote transceiver will "sleep" until a button is pushed, to extend the life of battery. When power save mode is ON, the remote control will wake up periodically to check for messages from the security module.

1. Press and hold all four remote control buttons simultaneously until one long beep is heard. Programming has now been entered.
2. Within 5 seconds, press the * button to toggle "On" or "Off". The remote will beep once for "On", twice for "Off". When power save mode is "On", the **SAVE** icon on the LCD screens to indicate entry the "power save mode"
3. To exit programming mode, take no action for five seconds. The remote control will generate two long beeps to indicate programming mode has been exited.

**Screen Lamp ON:**

Press the * button once; the LCD screen lamp will turn on for 5 seconds

System's Status Check When you want to check the system's present status through the LCD screen, Press the transceiver * button first, within 3 seconds press and buttons at the same time. It responds with one melody sound, the LCD screen should be illuminated.

Note: If it has no response then you are out of range.

**Clear the Flash Icon and Melody Sound:**

Cycle ignition then press the * button first, within 3 seconds press and * buttons at the same time. It will clear the flash icon and melody sound on the LCD screen transceiver

Stop The Trigger Melody Sound:

While triggering the alarm the LCD screen will alert the user through melody sound and flashing trigger icon. Press any button on the LCD remote transmitter to stop melody sound.

ALARM OPERATING CONDITION :

| Function | Siren | Parking Lights | LED | Doors | Starter Disable | Dome Light |
|---------------|-------------|----------------|-------------------|-----------|-----------------|---------------|
| 1. Arm | 1 Chirp | 1 Flash | Slow flash | Locking | On | |
| 2. Disarm | 2or4 Chirps | 2 or 3 Flashes | Off or Fast flash | Unlocking | Off | On for 30 sec |
| 3. Trigger | Alarming | Flashing | Slow flash | | On | flashes |
| 4. Panic | Alarming | Flashing | Slow flash | Locking | On | flashes |
| 5.Car Locator | 6 Chirps | 12 Flashes | | | | |

ALARM INDICATORS

CHIRP INDICATORS:

| Chirp | Function |
|----------|--------------------|
| 1 chirp | Arm |
| 2 chirps | Disarm |
| 3 chirps | Defective reminder |
| 4 chirps | Disarm/ Intrusion |
| 6 chirps | Car Locator |

PARKING LIGHTS:

| Parking Light | Function |
|---------------|-------------------|
| 1 flash | Arm |
| 2 flashes | Disarm |
| 3 flashes | Disarm/ Intrusion |
| 12 flashes | Car Locator |

LED INDICATORS:

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

| LED | Function |
|--------------------|-----------------------------------|
| 2 flashes... pause | Trigger on trunk/hood |
| 3 flashes... pause | Trigger on door switch |
| 4 flashes... pause | Trigger on Dual Zone Shock Sensor |
| 5 flashes... pause | Trigger on Ignition switch |

LIMITED LIFETIME WARRANTY PROVISIONS
(U.S. ,Continental U.S. and Canada Only)

1. Auto Page, Inc. WARRANTS that this new unit has been thoroughly inspected and tested at the factory prior to delivery. Your Auto Page equipment is guaranteed for "life" to the original purchaser/user of the equipment and the original vehicle in which it was installed by an authorized installer under the following conditions: If the product proves defective (according to Auto Page's testing) within the first year, the defective unit may be exchanged or repaired free of charge. "Proof of Purchase" (dated sales receipt) must accompany all warranty returns; **otherwise, your return will be rejected and sent back.** After one (1) year, the purchaser should ship the unit prepaid to Auto Page with a money order in the amount of \$30.00 to cover shipping and handling charges. **Note:** The enclosed Warranty Card may be required to receive warranty services.
2. This WARRANTY will be considered void if the equipment has been misused, neglected, improperly serviced or installed, altered, dropped or damaged by water, contrary to the Auto Page OPERATIONS MANUAL. Or, if used with accessories not approved by Auto Page, which may have contributed to the defect. **See note below regarding product installation**.**
3. The purchaser's remedies under this WARRANTY shall be limited to the repair or replacement of electronic components only. **THE FOLLOWING IS NOT COVERED:** Damages or deterioration to cases, batteries, covers and cabinets; the cost of repairs, replacement and labor of which shall be borne by the purchaser even if occurring during the WARRANTY period.
4. Any equipment or parts which are claimed to be defective under this WARRANTY must be sent to the Auto Page Service center with "proof of purchase" at the purchaser's expense prior to such return, a Return Authorization Number should be obtained. Auto Page will return the equipment, charges prepaid. Warranty Service can be provided through the dealer where the equipment is originally purchased.
5. Any unexpired WARRANTY shall be applicable to equipment and parts in the possession of the original purchaser only.
6. THIS WARRANTY IS IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
7. Auto Page shall not be liable, under the foregoing WARRANTIES or otherwise, for: Any personal injury of any kind to the purchaser, its employees or agents or anyone else whomsoever resulting directly or indirectly from the use or presence of the equipment or parts; Consequential damages of any kind; any inability of the purchaser to use the equipment.

The attached WARRANTY CARD is for **your** record. However, Auto Page reserves the right to request you to submit this WARRANTY CARD, which must have complete information to receive warranty service. Please keep this card in a secured place.

****IMPORTANT NOTE:** Any damages to the alarm system resulting from an installation performed by anyone other than a professional installation technician

authorized by a dealer of Auto Page will void the product's limited lifetime warranty.

This WARRANTY CARD is for your record. However, AutoPage reserves the right to request you to submit this WARRANTY CARD which must have complete information to receive warranty service. Please keep this card in a secured place.

AUTOPAGE WARRANTY SERVICE CARD

Model: RF-420LCD

Serial # _____

CUSTOMER TO COMPLETE

DEALER TO COMPLETE

Mr./Mrs./Ms.

Your Name (Please Print)

Company Name

Address

Dealer's Address

City, State, Zip Code

City, State, Zip Code

Telephone Number

Dealer's Telephone Number

Year / Make / Model of Vehicle

Date of Installation / Purchase

Dealer's Signature

“Proof of Purchase” which includes the store name and date of purchase must accompany all warranty returns.

It is the purchaser's responsibility to keep this card for any future warranty service.

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