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● Remote Control

Each of the pair of remote controls is a miniature radio transmitter with a typical range of up to 100 feet. Obstructions radio interference, cellular transmissions or a weak remote control battery may reduce the range, or interrupt transmission (if the system does not immediately respond, release and press the button again; this works better than holding the button down). The second remote can be used by a second driver of the vehicle. or kept as a spare.

● Using the Remote Control

Your 3-button/3-channel remote control is the key to your security system. It incorporates Nova 200 Security Stealth Coding technology which offers the most advanced protection available against "code-grabbing' devices. It's an ingenious user-friendly device that can control six different functions, yet it has only three buttons. You will use the remote control to arm and disarm the system, lock and unlock the doors, activate its panic feature, and control options such as headlight activation, remote trunk release and Nova 200 Security systems on your other vehicles.

LED

Button 1
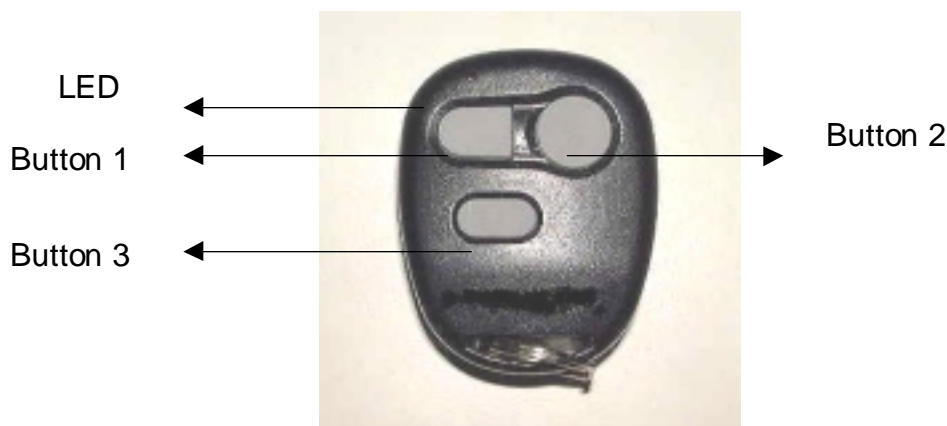
Button 2

Button 3

● To transmit channels 1, 2 or 3:

Just press button 1, 2, or 3. For instance, to transmit channel 3, press button 3. When you transmit, the LED will flash.

TO ARM THE SYSTEM...

Press button 1 once. You will hear two chirps and the parking lights will flash twice. The LED will flash repeatedly and the car doors will automatically lock. Any attempt to break into the car will immediately disable the engine, sound the siren and flash the parking lights.

TO DISARM THE SYSTEM...

Press button 1 again. One chirp and one flash of the lights will confirm disarming. In addition, the car doors will automatically unlock and the interior lights will turn on and stay on for 30 seconds or until you start the engine.

TO SILENTLY ARM OR DISARM THE SYSTEM...

Press button 3. The system will arm or disarm with all the indications noted above except the chirp acknowledgments.

TO ACTIVATE THE PANIC FEATURE...

Press button 1 for 3 seconds. The lights will flash repeatedly and the siren will blare for 5 minutes, or until you press button 1 again to turn it off. If the remote door lock/unlock is enabled, the doors will also unlock so that you can immediately enter the vehicle. If you panic the system when you're

behind the wheel (with the ignition on), the doors will automatically lock to stop potential assailants from entering your vehicle.

TO ACTIVATE AN OPTION WHEN THE ALARM IS <u>DISARMED</u>...

Button 2 can only control an option when the system is disarmed. If you have one of the following options installed, pressing button 2 while the alarm is disarmed will either:

★ Remotely open the trunk OR ...

★ Remotely open the fuel-tank door.

● Remote Controls with Hopping Coding:

Whenever car owners remotely arm or disarm other alarms, car thieves with electronic "code-grabbers" can instantly capture and record off the air the digital codes transmitted by their remote controls. When the owner leaves, the thief can play back the code to **disarm** the system and unlock the doors. But Nova 200 Security's Hopping Coding remote controls randomly change the code every time you use them, and the system will not respond if any code is re-transmitted. This makes car thieves' code-grabbers completely useless against the Nova 200 Security System.

● Electronic Scan Prevention (ESP)

Many car thieves also use electronic scanners that rapidly transmit one remote control code after another to defeat ordinary alarms. ESP prevents scanners from disarming your system.

● Selectable Passive Arming

Simply close and lock your car doors. Five seconds later, the parking lights will flash twice to indicate that the 30-second passive arming sequence has begun. Thirty seconds later, the system will arm itself to ensure your vehicle is always protected. Since the system arms itself, you will need to disarm it with the remote control when you come back. If you have the passive arming feature set on, when fueling your car, either put the alarm in valet mode. Use the Quick Override of Passive Arming feature (see below) or leave one of the doors open (the system not passively arm if a door is open). If you prefer, you may turn off the Passive Arming feature. See the (User-programmable Features section on page 9)

- ● **Quick Override of Passive Arming:** Prevents passive arming when fueling the vehicle and other times when you wish to temporarily prevent the pass arming. To activate Quick Override of Passive Arming, rapidly turn the ignition switch to "ON" then "OFF" twice. You will hear a single chirp to confirm that the system will not passively arm. The passive arming feature will automatically return to normal operation the next time you park your car.
- ● **Passive Self-Locking:** Normally the system will not automatically lock the doors when it passively arms to prevent you from accidentally locking your keys and remote control inside the vehicle. If you prefer, you can easily set the Nova 200 Security to automatically lock the doors every time the system passively arms. See the User-programmable Features section on page 8.

● Valet Mode With Remote Controlled Activation

Whenever the alarm is put in valet mode, all of the alarm functions are bypassed. This prevents passive arming and accidental activation of the alarm. You should use valet mode whenever your car is to be serviced by mechanics, car wash personnel or driven by valet attendants. It also comes in handy if you ever lose your remote control or its battery dies. **Be sure to ask your installer to show you where the valet switch is located.**

- ● **To REMOTELY turn ON valet mode:**
  1. Transmit channel 5 (Press button 2 and 3 together).
  2. If the alarm is disarmed, the parking lights will flash twice and the LED will glow continuously to indicate that the alarm is in valet mode.
  3. If the alarm is armed, the alarm will disarm, the parking light will flash 2 long flashes and the LED will glow continuously to indicate that the alarm is in valet mode.
- ● **To REMOTELY turn off valet mode:**
  1. Transmit channel 5 again. (Press button 2 and 3 together).
  2. The parking lights will flash once and the LED will turn off to indicate that the alarm is in normal operating mode.
- ● **To manually turn ON valet mode:**
  1. Insert your ignition key and turn it to the "ON" position, or start the engine
  2. Flip the valet switch.
  3. The LED will glow continuously to indicate that the alarm is in valet mode.
- ● **To manually turn OFF valet mode:**
  1. Insert your ignition key and turn it to the "ON" position, or start the engine
  2. Flip the valet switch.

3. The LED will turn off to indicate that the alarm is in normal operating mode.

- **Keyless Entry in Valet Mode:** Even if you have turned the valet mode ON. You will still be able to remotely control all the convenience features. For instance, simply press button 1 as if you were arming or disarming and your car's doors will lock or unlock. You can also transmit channels 2. to activate trunk release.

● Automatic Door Control

For your safety and that of your passengers, the system automatically locks the doors when you turn on the ignition switch to start the engine and unlocks them once the ignition is turned off. If you prefer, you may rum off the Automatic Lock/Unlock feature. See the User-programmable Features section on page 8.

● Dual-Level Tampering Warning

Your system equips with to a dual-level warning, instead of the full alarm blast. When the dual-stage impact sensor detects slightly impact, system will warn-away the vandal or thief. You will hear two short siren warning. If sensor detects heavily impact, siren will scream for its full 30 seconds duration.

● Alarm State Memory

If you car's battery is disconnected and later on reconnected, the system automatically returns to its last state before power was removed, whether it was armed, disarmed or in valet mode. So if a mechanic disconnects the battery while it's in valet mode, he won't trip the alarm when reconnecting the power. Yet if a thief removes power while the alarm is armed and reconnects it, the alarm will instantly sound, the parking lights will flash and the starter will be disabled.

● Automatic System Check

Each time you remotely arm your vehicle, it will perform a series of tests on all triggers and sensors. If a trigger (which detects the opening of doors, the hood or the trunk) malfunction is found, you will be visually and audibly alerted **immediately** with 4 chirps and flashes instead of the usual 2.

- **Specific Malfunction Identification:** The system not only tells you if the problem is a trigger or sensor, but it can also indicate the specific trigger sensor that is malfunctioning. This feature not only saves you time but money as well because your installer won't have to spend hours trying to determine where the problem lies. Here's how it works:
1. You receive the 4-chirp/4-flash signal.
2. Disarm with the remote control.
3. Turn the ignition ON.
4. The LED indicator inside the vehicle will flash a number of times.
5. Count the number of blinks in one cycle (for your convenience, the blink cycle repeats 4 more times) and refer to the chart that follows:

Number of LED blinks per cycle after disarming	Malfunction
1 blink	Dual-zone impact sensor
2 blinks	Door trigger
3 blinks	Trunk or hood trigger

● LED Status Indicator

The LED on your car's dashboard or console will inform you of the system status:

LED Condition	Meaning
Off	System is disarmed
On	Protected valet mode
Flashing	System is armed
Flashing in cycles	Trigger/sensor malfunction or trigger/sensor activated in a previous intrusion attempt

● **Attempted Theft Alert**

The system will let you know if there was an attempt made on your vehicle while you were away. When you remotely disarm, if you hear 3 chirps instead of usual one chirp it means the alarm sounded in your absence. The system will tell you which trigger or sensor detected the attempt. When you enter the vehicle, the LED will blink several times, pause, then repeat the blink cycle. Count the number of blinks in one cycle and refer to the chart that follows:

Number of LED blinks per cycle after disarming	Trigger/Sensor Activated
1 blink	Dual-zone impact sensor
2 blinks	Door trigger
3 blinks	Trunk or hood trigger

● **How to Interpret the Chirps and Parking Light Flashes**

When you press the remote control buttons the system will respond with chirps (unless you have the chirp muting feature turned on) and flashes the parking lights to the system status. The meaning of these chirp/flash acknowledgments is as follows

Number of chirps and flashes	Meaning
1	Disarming of the alarm
2	Arming of the alarm
2 and then 4	Armed and there is a sensor malfunction (automatically bypassed)
3	Disarmed and there was an intrusion attempt
4	Armed and there is a trigger malfunction (automatically bypassed)

● **Selectable Chirp Control**

Whenever you wish, you may completely silence the system's arm/disarm chirps. The short-term and one-time chirp muting capabilities are especially valuable when parking late at night in a quiet residential area. You have two choices:
- ● **Chirp Canceling:** Lets you completely silence the chirps until you wish to restore them. See User-Programmable Features on page 8.
- ● **One-Time Remote Chirp Muting:** The most simple of all. To remotely arm or disarm the alarm silently, press button 3

User-Programmable Features

Your vehicle security system allows you to set many of its features to your own personal preferences. We have made the programming procedures very simple: to make a change, you just flick the valet switch a few times. The system comes the factory with all of its features pre-programmed as noted in the table on pages 8. To change any of the settings, use the procedure noted. To restore the to its factory setting, just repeat the procedure:

1. Select the feature you wish to program from the table on pages 8. There are 2 stages of programming. To enter 1st stage insert the ignition key and turn it to the ON position, to enter 2nd stage turn the ignition key from ON position to OFF position.
2. Note the number of flicks and chirps associated with that feature.
3. Immediately flick the valet switch back and forth, counting the number of chirps you hear. Stop when you reach the number of chirps associated with the feature you wish to program.
4. If noted, do the "secondary action.''
5. After a 3-second pause, you will hear 1-6 chirps, depending on the feature being programmed, to confirm that you have changed the setting of the feature. Turn the ignition OFF.
6. Repeat steps 1-5 for any other features you wish to program.

Example

To change the passive arming feature from its factory setting of ON to OFF, you would note from the

table on page 8 that changing the state of passive arming requires four (4) flicks of the valet switch. You would do the following:

★ Turn the ignition key to the ON position.
★ Immediately after the ignition is turned on, flick the valet/program switch back and forth four times while counting the number of confirmation chirps.
★ When the 4th chirp sounds, wait 3 seconds. The system will sound one chirp to confirm that the passive arming setting has been turned OFF.
★ Turn the ignition OFF.

Programming Table for User-Programmable Features
1st stage.

Feature	Factory setting	# of flicks & chirps	Secondary action	Completion confirmation	Result
Passive Arming	ON	4	-	1 or 2 chirps 3 seconds after last step	Change state from ON to OFF Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
Passive Self-Locking	OFF	5	-	1 or 2 chirps 3 seconds after last step	Change state from OFF to ON Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
Arm/disarm chirp Confirmation	ON	7	-	1 or 2 chirps 3 seconds after last step	Change state from ON to OFF Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
Lock/Unlock when Ignition is On/Off	ON	8	-	1 or 2 chirps 3 seconds after last step	Change state from ON to OFF Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
Door lock pulse Duration (1 or 3 seconds)	1 sec.	10	-	1 or 2 chirps 3 seconds after last step	Change door pulse duration from 1 to 3 seconds Or vice-versa (1/1-chirp. 3/2-Chirps)
Hi/Lo Enable/Disable	Enable	11	-	1 or 2 chirps 3 seconds after last step	Disables the system's ability to recongize delayed courtesy lighting, and vice-versa (Disable/ 1-chirp. Enable/2-Chirps)
Parking light Illumination. (Alarm disarmed parking light on 30 seconds)	ON	12	-	1 or 2 chirps 3 seconds after last step	Change state from ON to OFF Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
2 pulse lock	OFF	13	-	1 or 2 chirps 3 seconds after last step	Change state from OFF to ON Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
2 pulse unlock	OFF	14	-	1 or 2 chirps 3 seconds after last step	Change state from OFF to ON Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
2 stage door unlock	Negative	15	-	1 or 2 chirps 3 seconds after last step	Change state from negative to positive Or vice-versa (positive/ 2-chirps. negative/1-Chirp)
Panic door lock	ON	16	-	1 or 2 chirps 3 seconds after last step	Change state from OFF to ON Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)
Voltage sensor (+) or (-) trigger select	Negative	17	-	1 or 2 chirps 3 seconds after last step	Change state from negative to positive Or vice-versa (positive/ 2-chirps. negative/1-Chirp)
Siren or Horn	siren	20	-	1 or 2 chirps 3 seconds after last step	Change state from siren to horn. Or vice-versa (Horn/ 2-chirps. Siren/ 1-Chirp)
System armed, siren chirp every 30 seconds.	OFF	21	-	1 or 2 chirps 3 seconds after last step	Change state from OFF to ON Or vice-versa (ON/ 2-chirps. OFF/1-Chirp)

Programming Table for User-Programmable Features
2nd stage.

Feature	Factory setting	# of flicks & chirps	Secondary action	Completion confirmation	Result
Add a New Remote to Channel 1 (arm/disarm)	-	4	Press remote control button 1	1 chirp	Button 1 channel/1 code of new remote control has been memorized
Add a new remote to channel 2 (optional remote accessory)	-	5	Press remote control button 2	1 chirps	Button 2 channel/2 code of new remote control has been memorized
Add a new remote to channel 3 (silent arm/disarm)	-	6	Press remote control button 3.	1 chirps	Button 3 code of new remote control has been memorized
Add a new remote control to the Valet Mode	-	9	Press remote control button 2 and 3 together.	1 chirps	Channel 5 code of new remote control has been memorized
Add a new remote to all channel 1-6	-	10	Press remote control button 1	1 chirps	Channel 1-6 codes of new remote control has been memorized
Delete all remote control channels	-	11	-	2 chirps 3 seconds after last step	Deletes all remote controls from the system's memory; you must now program your remaining remote controls

WARNING: If your built-in timer controls window/sunroof closure in your car DO NO change the timer Setting! This requires installer-only programming. Changing the value will adversely effect operation and may cause damage.

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

This device must accept any interference received, including interference that may cause undesired operation.