

CLIFFORD

World-Class Auto Security™

intelliguard
700

Owner's Manual

CLIFFORD

World-Class Auto Security™

*All IntelliGuard Series systems are covered by
one or more of the following Clifford Electronics patents:
4,158,874; 4,233,642; 4,327,444; 4,383,242; 4,430,685; 4,845,464;
4,887,064; 4,890,108; 4,922,224; 4,997,053; 5,081,667; 5,146,215;
5,157,375 and other patents pending*

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Standard Features of the IntelliGuard 700

- ✓ ***\$3,000 AntiTheft Guarantee*** — Pays you up to \$3,000 if your vehicle is stolen and not recovered (see the AntiTheft guarantee card for details.)
- ✓ ***Limited Lifetime Warranty*** — The system control unit and remote controls are covered for as long as you own the vehicle (see the limited lifetime warranty card for details).
- ✓ ***FACT™ — False Alarm Control and Test*** — Absolutely, positively eliminates recurring false alarms (user-selectable).
- ✓ ***A Pair of 4-Button/12-Channel Remote Controls*** — Fingertip command from up to 100 feet (up to 300' with the optional ElectroLoop Antenna).
- ✓ ***AntiScan™*** — Blocks digital code scanners used by thieves from disarming your IntelliGuard system.
- ✓ ***Proprietary Anti-CodeGrabbing™ (ACG) with Random Code Encryption*** — Since the remote control never transmits the same code twice, the random code encryption makes thieves' "code-grabbers" completely useless.
- ✓ ***Multiple-Car Control*** — Use your 12-channel remote control to command IntelliGuard systems on up to eight of your vehicles.
- ✓ ***Patented Remote Control Code Learning and MultiRemote™ Recognition*** — Add or delete, with just a few flicks of a switch, up to four Clifford Anti-CodeGrabbing remote controls.
- ✓ ***Patent-Pending UltraSecure Coded Valet Mode*** — Ensures that no thief can turn off your IntelliGuard like they can all other alarm brands.
- ✓ ***Remotely Adjustable Dual-Zone Magnetic Resonance Sensor™*** — If someone forcefully leans on your vehicle or lightly taps the bumper while parking, your IntelliGuard 700 will sound a one-second warning tone. But if there is a *genuine* intrusion attempt, the system will instantly blast its MultiSound Medallion Siren.
- ✓ ***QuietChirps™*** — Select soft or full volume arm/disarm chirp confirmations.

Standard Features of the IntelliGuard 700 (cont.)

- ✔ ***Remote Sensor Adjustment*** — Incredibly easy and accurate sensor adjustment and testing. Just use the remote control to adjust your sensor any time, any place, without tools and without even knowing where the sensor is mounted.
 - ***16-Step Incremental Sensitivity Adjustment*** — For the utmost in fine-tuning accuracy. Gives you remote controlled access to 16 sensitivity levels for each of the two sensing zones.
 - ***Tonal Confirmations of Sensor Adjustments*** — As you remotely increase sensitivity, the confirming chirps rise in pitch. Conversely, as you lower each zone's sensitivity, the confirmation chirps become lower and lower in pitch.
 - ***Adjust and Test Unobtrusively*** — No repeated arming and disarming. Your IntelliGuard 700 lets you set and test sensitivity without activating the alarm!

- ✔ ***Remote Controlled Valet Mode*** — Enable or disable valet mode from 100 feet away! The parking lights and the system LED confirm valet mode entry and exit.

- ✔ ***Remote Override of Optional Sensor #2*** — Whenever you wish, a press of a button on your remote control will override the optional passenger compartment Proximity Sensor for those times when you must leave your pet or a passenger in your vehicle.

- ✔ ***Remote Window and Sunroof Closure Capability***— On several models of BMW, Volkswagen and Jaguar, the IntelliGuard 700's integrated timer can remotely close all the power windows and sunroof without the need for any optional modules.

- ✔ ***Remote Headlight Activation Capability***— Lets you remotely turn on your vehicle's headlights to illuminate your way to and from your car.

- ✔ ***Smart Trunk Release Capability*** — An electronic interlock ensures that the optional remote trunk release can be activated only when the system is disarmed. To further prevent accidental activation, the interlock makes sure that the trunk cannot be remotely opened while the ignition is on.

- ✔ ***Dual-Mode Chirp Silencing*** — Your choice of either long-term chirp silencing or remote controlled chirp muting whenever you wish.

Standard Features of the IntelliGuard 700 (cont.)

- ☑ ***User-Programmable MultiSound Medallion™ Siren*** — Designed entirely by Clifford engineers, this unique siren is superior in performance, features, reliability and even aesthetics to all other look-alike, sound-alike sirens.
 - ***Personalized Siren Sounds™*** — Up to 64 different siren sound combinations.
 - ***Ultra-Reliability*** — All electronics of the MultiSound Medallion Siren are built right into the control unit, sheltering the siren electronics from the harsh underhood environment.
 - ***User-Selectable 30/60-Second Siren Duration***
 - ***Patented Automatic Noise Abatement*** — Automatically limits siren sounding to no more than 5 minutes even if a door is left open in the wake of an intrusion attempt.

- ☑ ***Remote Controlled Door Lock/Unlock Outputs*** — A single press of remote control button 1 simultaneously arms your IntelliGuard 700 *and* locks all the doors, another press disarms *and* unlocks (some vehicles require an optional adaptor).
 - ***AutoLock™*** — Automatically locks the doors when you begin driving.
 - ***AutoUnlock*** — Automatically unlocks the doors when you park your car.
 - ***Deluxe Remote Keyless Entry in Valet Mode*** — Allows for remote controlled door locking/unlocking with visual parking light confirmations and interior light illumination even while the IntelliGuard 700 is in valet mode.

- ☑ ***Patented Smart AutoTesting™*** — Automatically tests all system sensors and triggers, and specifically identifies any malfunction, virtually eliminating costly trouble-shooting time.

- ☑ ***Patented Malfunction AutoBypass™*** — Automatically bypasses any trigger or sensor malfunction, then arms all other points to continue to provide the utmost possible protection.

- ☑ ***Eight-Event TotalRecall™*** — Stores the identities of the last 8 triggers and/or sensors activated. This provides an invaluable informational and diagnostic means.

Standard Features of the IntelliGuard 700 (cont.)

- ✓ ***Patented Smart Prior Intrusion Attempt Alert*** — Warns you — from a distance — if an intrusion attempt was foiled while you were away and specifically identifies the sensor or trigger activated in the intrusion attempt.
- ✓ ***Built-In Parking Light Flasher*** — The parking lights will visually confirm alarm and doorlock status from a distance.
- ✓ ***Remote Courtesy Lighting*** — Automatically turns on your vehicle's interior light(s) when you remotely disarm, and keeps them on for 30 seconds or until you start the engine, whichever occurs first.
- ✓ ***Enhanced AutoArming™*** — Automatically (passively) arms itself if you forget. May qualify you for an insurance discount.
 - ***AutoArming Enable/Disable*** — Enable or disable the Enhanced AutoArming features any time you wish.
 - ***AutoArm & Lock*** — Select whether or not the doors will lock when the system automatically arms itself.
 - ***15-Second Entry Delay*** — If you ever temporarily lose the use of your remote, an entry delay allows you to disarm the system without sounding the siren. For security, the entry delay is only in effect if the system AutoArms.
 - ***Visual Confirmation*** — The parking lights will flash twice to confirm initiation of the 30-second AutoArming countdown.
 - ***Instant AutoArming Bypass™*** — Temporarily and quickly turns off the AutoArming feature with just a quick turn of the ignition switch.
- ✓ ***Full-Time Remote Panic Feature*** — Remotely activate the siren and parking lights from inside or outside the vehicle, or even while driving.
- ✓ ***Fault-Proof™ Starter Interrupt*** — Prevent an intruder from cranking the engine while the system is armed, but allows you to start it even in the unlikely event of a full system failure.
- ✓ ***High-Luminescence LED Indicator*** — Adds visual deterrence, confirms system status, and identifies trigger/sensor malfunctions and activations.
- ✓ ***Multiple Trigger/Sensor Inputs*** — For precise identification of the exact trigger or sensor tripped in a prior intrusion attempt.

***Welcome to the world of high-technology
vehicle security and convenience***

Congratulations on the purchase of your IntelliGuard 700 vehicle security/convenience system. Clifford Electronics has long been recognized as the world's leading manufacturer of high-technology vehicle security systems and accessories. In fact, Clifford Electronics holds more patents than all other vehicle security manufacturers combined. Buying Clifford has always meant buying the best, and nowhere is our commitment to technological innovation, reliability and quality more evident than in the astounding IntelliGuard Series.

Your IntelliGuard 700 is loaded with protective features and lifestyle convenience benefits that other car alarm companies don't even have on their wish lists, let alone their alarms. Features like Anti-CodeGrabbing™ that fights off the latest and most onerous threat from high-tech thieves. A thief equipped with a code-grabber can record with total impunity the codes of your car alarm's remote control from up to several hundred feet away. How? The thief simply waits for you to arm or disarm your alarm with your remote control. The thief's portable, pocket-sized code-grabber will automatically pick and record the transmitted code off the air. As soon as you walk away, he simply plays it back, instantly disarming your alarm and unlocking the doors. It's like giving the thief your car keys. Code-grabbing will instantly defeat all other brands of remote controlled car alarms, regardless of whether they are equipped with anti-scanning or trillions of digital codes.

Clifford's unique PlainView Coded Valet Switch ensures that no thief can turn off your IntelliGuard 700 like they can with all other car alarm brands. For total freedom from incorrectly adjusted sensors, there's remote controlled adjustment of the system's dual-zone Magnetic Resonance Sensor that allows you to set the desired sensitivity level any place or time with just a touch of a button on your remote control. Plus there's remote controlled valet mode entry/exit, remote controlled timed headlight activation, an electronic interlock to prevent accidental activation of the optional remote trunk release when the system is armed or when the engine is running, Clifford's unique user-programmable MultiSound Medallion™ Siren with 64 distinctly different siren sound combinations to set your alarm apart from all others, full-time programming access (even while you're driving) to dozens of user-selectable features, and much, much more.

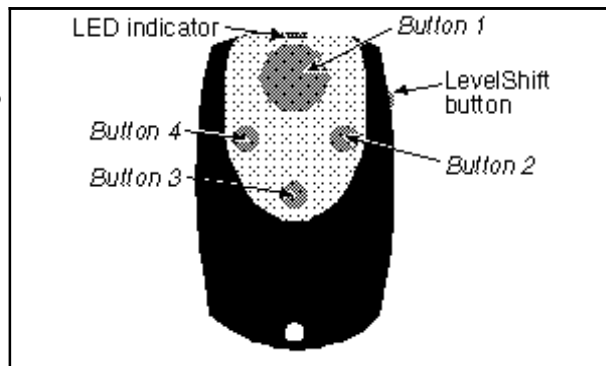
Yet despite all the sophistication, the IntelliGuard 700 is amazingly easy to use: never more difficult than a few flicks of a switch or a press of a button on one of your miniature keychain remote controls.

Your 4-button/12-channel remote controls

The 4-button/12-channel remote control is an ultra-sophisticated miniature radio transmitter powered by a tiny 12-volt battery. Range is up to 100 feet (up to 300 feet with the optional ElectroLoop Antenna). Obstructions, electrical interference, weather conditions or a weak battery will reduce range. Your 4-button/12-channel remote control is the key to your IntelliGuard 700. It incorporates Clifford's proprietary Anti-CodeGrabbing™ (ACG) technology with Random Code Generation for the ultimate in protection against "code-grabbing" devices (see page 12). You will use your remote control to arm and disarm the system, lock and unlock the doors, activate the panic feature, adjust sensor sensitivity, control Remote QuickAccess features or command options such as a remote trunk release, remote headlight activation, remote memory seat adjustment and even remote starting of the engine and heater or air conditioner, among other available options.

How to use your keychain remote control

Your remote control can individually command up to 12 different system functions and options. It's like having a TV with 12 channels. You change channels (functions) with your keychain remote control. But instead of putting 12 buttons on the remote control, we made it easy: First, the button you



use the most — button 1 to arm, disarm, lock and unlock the doors — is larger than the others. Buttons 2, 3 and 4 are the smaller buttons to the right, below and left of button 1. The *LevelShift* button on the side lets you select channels 5–12:

- **To transmit either channel 1, 2, 3 or 4:** Just press either button 1, 2, 3 or 4. For instance, to transmit channel 3, press button 3. While you transmit, the LED indicator will blink once every second: this indicates **level 1**.
- **To transmit either channel 5, 6, 7 or 8:** Press the *LevelShift* button once. This shifts buttons 1–4 to level 2 (channels 5–8). Then press the desired button *within the next 7 seconds*. For instance, to transmit channel 5, press the *LevelShift* button once, then press button 1. While you transmit, you'll notice that the LED indicator blinks twice, pauses, blinks twice, etc.: this indicates **level 2**.
- **To transmit channel 9, 10, 11 or 12:** Press the *LevelShift* button twice. This shifts buttons 1–4 to level 3 (channels 9–12). Then press the corresponding button within the next 7 seconds. For instance, to transmit channel 11, press the *LevelShift* button twice, then press button 3. While you transmit, you'll notice that the LED blinks three times, pauses, blinks three times, etc.: this indicates **level 3**.

NOTE: One second after you stop transmitting level 2 or level 3 (channels 5–12), the remote control automatically returns to level 1 (channels 1–4).

What each button/channel does

Your IntelliGuard 700 remote controls come pre-programmed so that certain channels command certain functions. If you wish, you can actually assign any channel (except 9 through 12) to any function (see pages 19–21). The following chart indicates what each remote control channel number does, and how to transmit each channel number.

<i>Factory settings of the 12 remote control channels</i>				
Transmitting channel number:	Causes the system to:	Press the LevelShift button?	How many times?	Press button number
1	arm or disarm and lock or unlock the doors	no	—	1
2	pop the trunk* (if the system is <i>disarmed</i>)	no	—	2
3	<i>silently arm or disarm</i>	no	—	3
4	turn on the headlights* or activate another accessory	no	—	4
5	activate optional accessory function #2	yes	once	1
6	activate optional accessory function #3	yes	once	2
7	activate optional accessory function #4	yes	once	3
8	activate optional accessory function #5	yes	once	4
9	remotely enter or exit valet mode (see page 14)	yes	twice	1
10	remotely override optional sensor #2 (see page 14)	yes	twice	2
11	remotely adjust and test sensitivity of the Magnetic Resonance Sensor's primary zone (see page 14)	yes	twice	3
12	remotely adjust and test sensitivity of the Magnetic Resonance Sensor's perimeter warning zone (see page 14)	yes	twice	4

* May require additional wiring.

***TO ARM
THE SYSTEM*** Press button 1 (channel 1) once. You will hear two chirps and the parking lights will flash twice. The dashboard LED will flash repeatedly and the car doors will automatically lock.

***TO DISARM
THE SYSTEM*** Press button 1 (channel 1) again. One chirp and one flash of the parking 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, whichever occurs first.

***TO ACTIVATE
THE PANIC
FEATURE*** Press button 1 for 3 seconds. The lights will flash repeatedly and the MultiSound Medallion Siren will blare for 30 or 60 seconds (user-selectable), or until you press button I again to turn it off.

TO SILENTLY ARM OR DISARM THE SYSTEM Press button 3 (channel 3). Your IntelliGuard 700 system will arm or disarm with all the indications noted on the previous page *except* for the chirp acknowledgments.

TO REMOTELY OPEN THE TRUNK . . . Button 2 (channel 2) controls an electronic interlock that allows you to command a remote controlled option *only when the system is disarmed*. This output is primarily used to optionally activate a remote controlled trunk release. (NOTE: to ensure against accidental activation of the trunk release while driving, the electronic interlock will prevent remote activation of the trunk release while the ignition is on).

TO ACTIVATE OTHER OPTIONS REGARDLESS OF ALARM STATE Button 4 (channel 4) and channels 5–8 can activate other accessories, such as remote controlled headlight activation, the Clifford Electronics IntelliStart™ remote engine starter, remote memory seat activation, SmartWindows II remote power window/sunroof roll-down and venting, a Programmable Receiver that lets you command your electric garage door/gate opener(s), etc.

What about channels 9 – 12? Channels 9 – 12 control the *Remote QuickAccess™* features: remote valet mode entry/exit, remote controlled override of optional sensor #2, and remote adjustment of each of the two sensor zones. See *Remote QuickAccess* on page 14 for details.

AntiScan™

Thieves can disarm some other brands of car alarms with a “scanner” than rapidly transmits one remote control code after another. Clifford’s AntiScan will detect any scanner and block the codes it generates.

How to interpret the chirps and parking light flashes

When you use the remote control, the system responds with chirps (unless the chirp muting feature is turned on) and parking light flashes. **These chirp/flash acknowledgments mean:**

Chirps and flashes	Meaning
1	Your IntelliGuard system is disarmed
2	Your IntelliGuard system is armed
2 and then 4	Armed but there is a door open (if there was a 5-sec. delay) or the sensor is malfunctioning (if there was a 10-sec. delay) (see <i>Smart AutoTesting</i> on page 15)
3	Disarmed but there was an intrusion attempt while you were away (see <i>Smart Prior Intrusion Attempt</i> on page 16)
4	Armed but the hood or trunk is ajar (see <i>Smart AutoTesting</i> on page 15)

UltraSecure™ Coded Valet Mode

Your secret valet code

Within seconds, thieves can disable all other alarm brands by hot-wiring the ignition and flicking an easy to find “*hidden*” valet switch. Your IntelliGuard 700 has safeguards that absolutely ensure that a thief cannot enable the valet mode as a way of “turning off” your system. How? To enable valet mode, the driver must first enter a secret valet code on the PlainView switch. Your code will be a 1-to-3-digit number of your choosing. Each digit can be any number from 1 to 9, (i.e. the code can be any number between 1 and 999, except those that contain a zero).

Whenever the system is put in valet mode, all of the system’s security features are switched off. At various times, you will need to switch the system off. For instance, when having your car serviced, washed or parked by a valet.

NOTE: If you temporarily lose the use of your remote controls, you can disarm the system by enabling valet mode.

Definitions

- ***Digit:*** A digit is defined as any number from 1 to 9, inclusive.
- ***Valet code:*** A valet code may be 1 to 3 digits:
 - A one-digit code=X=any number between 1-9
 - A two-digit code=XY=any number between 11-99 (excluding numbers with zeros)
 - A three-digit code=XYZ=any number between 111-999 (excluding numbers with zeros)

Remember, no code can have a zero.

- ***PlainView switch:*** A rocker switch mounted on the dashboard or console. The switch has three positions: 1.) Latched 2.) Center 3.) Spring-loaded momentary. When you press the latched side, the switch remains in its pressed position. When you press the momentary side, the switch bounces back to the center position.
- ***Entering a digit:*** To enter a digit, you tap (press and release) on the momentary side of the PlainView switch the number of times corresponding to the numeral of the digit to be entered, followed by pressing to the latched side, then returning the switch to its center position.
- ***Entering a code:*** If your code has only one digit, enter the code as described in “Entering a digit,” then return the switch to its center position. If your code has more than one digit, just repeat the above for each digit of your code, then return the switch to its center position.

Currently, your factory-set valet code is the single digit “2.”

To enable valet mode

1. Turn the ignition switch to its "ON" position or start the engine.
2. Enter your secret valet code on the PlainView switch, then return the switch to its center position.
3. You now have 3 seconds to press the latched position (valet mode). Once you have entered valet mode, the system's LED will glow continually for on-going visual confirmation of valet mode.
 - **Deluxe Keyless entry in valet mode:** Even if valet mode is enabled, you can still remotely control the convenience features. For instance, simply press button 1 (channel 1) as if you were disarming. The doors will unlock (as indicated by one parking light flash) and the interior lights will illuminate. Press button 1 again and the doors will lock (indicated by two flashes). You can also use the remote's other channels to activate options such as a remote trunk release or remote engine starting.

To exit valet mode

1. Turn the ignition switch to its "ON" position or start the engine.
2. Flick the switch back to its center position. The LED will turn off to confirm that the system is now in its normal operating mode.

NOTE: You can even enable or exit valet mode with your remote control from outside the vehicle! See the Remote QuickAccess section on page 14.

Setting your own secret valet code

Since all IntelliGuard systems have the same factory-set code, it is highly advisable that you set your own valet code. You may choose any 1-, 2-, or 3-digit code that does not have any zeros. You can also change your valet code whenever you want. Simply write down the 1-to-3 digit code you wish to use (remember, no zeros in the code), then refer to the User-selectable features section on page 19-21.

Anti-CodeGrabbing™ (ACG) with Random Code Encryption

A Clifford exclusive that protects you and your automobile from the most effective and onerous car stealing device ever used by car thieves: a code-grabber. Code-grabbers are far more effective and efficient than scanners (see page 10) that sequentially transmit one digital code after another hoping one of them is the correct code to disarm the alarm (a process that may take hours, days or even years depending on the alarm's number of codes), code-grabbers literally record, from hundreds of feet away, the code sent by your car alarm remote control. A code-grabber will instantly duplicate any remote control code, even if the remote has billions or trillions of codes. The thief simply waits for you to arm your alarm with the remote control and walk away. Then he plays back the code, instantly disarming your car's alarm and unlocking the doors. It's like giving the thief your keys. All non-Clifford alarms can be defeated that easily. In contrast, IntelliGuard systems use complex digital signal processing and unbreachable encryption to randomly change the digital code every time you use the remote. Your remote will never transmit the same code. Thus the code recorded and played back by the thief's code-grabber will never be accepted by your IntelliGuard 700. Only ACG can make a car alarm impervious to code-grabbing, and only Clifford systems have ACG with Random Code Encryption.

Enhanced AutoArming™

If this feature is enabled and you forget to remotely arm your IntelliGuard 700, the system will arm itself automatically (“passively”) 30 seconds after the vehicle doors are closed. For your convenience, if you re-open any door(s) within the 30-second countdown, AutoArming will restart from the beginning once all doors are closed. Your IntelliGuard 700 includes all these additional Enhanced AutoArming features:

- ***AutoArming enable/disable:*** If you prefer, you may deactivate or reactivate the AutoArming feature. See *User-selectable features* on pages 19–21.
- ***Visual acknowledgment:*** Five seconds after you exit the vehicle and close all the doors, the parking lights will flash twice to confirm that the AutoArming countdown is progressing. Then, 25 seconds later, the system will AutoArm.
- ***User-selectable entry delay:*** If you temporarily lose the use of your remote controls, you may turn on the 15-second entry delay feature. This allows you to silently disarm the system by starting the engine within 15 seconds of opening the door. See *User-selectable features* on pages 19–21.
- ***AutoArm & Lock:*** To ensure you can’t accidentally lock your keys inside the car, the system is factory-set *not* to lock the doors upon AutoArming. To change this setting, see *User-selectable features* on pages 19–21.
- ***Instant AutoArming bypass:*** Prevents AutoArming when fueling the vehicle and other times when you wish to temporarily bypass AutoArming. To activate Instant AutoArming Bypass, rapidly turn the ignition switch to “ON” then “OFF.” You will hear a single siren chirp to confirm that the system will not AutoArm. The system reverts to its normal operating mode when you next start the engine.

Electronically Programmable Dual-Zone Magnetic Resonance Sensor™

Your IntelliGuard 700’s Dual-Zone Magnetic Resonance Sensor has both a primary and a secondary zone. The secondary “warning” zone can detect someone forcefully leaning against your vehicle or another car tapping your parked vehicle’s bumper. When this occurs, the system will sound with a distinctive one-second warning tone. However, if there is any genuine intrusion-related tampering, the system will sound its full siren blast for 30 or 60 seconds (whichever you select, see *User-selectable features* on pages 19–21). What’s more, you can adjust the sensitivity of each of the two sensor zones via your remote control. Use the *Remote QuickAccess* method noted on page 14 or see *User-selectable features* on pages 19–21. For an even greater level of security, consider Clifford Electronics optional sensors: IntelliSensor 3-D™ (a digital analysis glass tampering sensor) and the Proximity Sensor™ (an interior passenger-compartment radar sensor that detects anyone reaching inside your vehicle; the Proximity Sensor is especially recommended if you own a convertible, T-top, soft-top or other open-top vehicle).

Remote QuickAccess™

Remote QuickAccess features permit you a quick and easy way of controlling, with just the remote, the most commonly used features, namely: The valet mode, optional sensor #2 override, and sensor adjustment. Now you can control these features any time you wish from outside your vehicle with just your remote control. Here's how:

- **QuickAccess Valet Mode:** To enter valet mode remotely, transmit channel 9 (press the LevelShift button twice, then button 1). The parking lights will flash twice and the dashboard LED will stay on to indicate the system is in valet mode. To exit valet mode remotely, transmit channel 9 again and the system will confirm exit of valet mode with one parking light flash and the LED will turn off. (NOTE: If you enter valet mode via the remote control, you must exit valet mode in the same manner. If you use the PlainView switch to enter valet mode, you must use the switch to exit valet mode.)
- **QuickAccess Sensor #2 Override:** This is a great convenience feature if you have an optional Proximity Sensor passenger compartment sensor and need to leave your pet in the vehicle. Within 10 seconds of remote arming, transmit channel 10 (LevelShift twice, then button 2). The parking lights will flash four times to confirm that the optional sensor #2 will not trip the system.
- **QuickAccess Sensor Testing & Adjustment:** Due to ever-changing conditions, all alarms require periodic fine-tuning of their sensors. With other alarms, this requires repeated trips back to the dealer. Not so with your IntelliGuard 700. *You* can adjust sensitivity electronically without tools and without even knowing where the sensor is mounted! If you find the current setting(s) of the Magnetic Resonance Sensor to be either too sensitive or not sensitive enough, you may individually test and adjust the sensitivity settings yourself. To do so, just use the following procedure:
 1. **Disarm** the system, then select the zone you wish:
 - a. **Primary zone:** Transmit **channel 11** (LevelShift twice, then button 3).
 - b. **Warning zone:** Transmit **channel 12** (LevelShift twice, then button 4).
 2. **Test** the current sensitivity setting by “thumping” the window pillar with your fist. If the strike is strong enough to trigger the selected zone, you will hear a chirp. Strike firmly when testing the primary zone, less firmly to trigger the perimeter warning zone.
 3. To **increase** sensitivity, press **button 2** on your remote control. To **decrease** it, press **button 4**. Each time you increase sensitivity, the siren will chirp in higher and higher pitched tones to confirm the higher sensitivity. Conversely, lower tones confirm each decrease. Two normal tone chirps indicate minimum and maximum sensitivity. There are 16 sensitivity levels for each of the two zones.
 4. Repeat steps 2 and 3 until you are satisfied with the sensitivity, then press **button 1** to record the new sensitivity setting and exit the sensor test/adjust mode (you'll hear three chirps to confirm exit). You may now either repeat steps 1–4 for the other sensor zone, or press button 1 to arm the system.

Sound complicated? It really isn't, there's just a lot of explanation of what's happening with each step. All you really have to do is the actions noted in **bold type**. Give it a try.

FACT™— False Alarm Control and Test

With FACT, you'll never experience repeated false alarms. If the siren goes off, DO NOT disarm the system; let it run for the full siren duration of 30 or 60 seconds (user-selectable). Before sounding the siren a second time, the system automatically checks for another activated trigger to verify that an intrusion is in progress. Should the siren sound again, **you will know for sure** someone is tampering with your vehicle.

Fault-Proof™ starter interrupt

While the system is armed, the vehicle's starter circuit is electronically disconnected. Our Fault-Proof design ensures that you'll be able to start the engine even in the unlikely event of a system malfunction. Other, non-Clifford alarms may leave you stranded.

Smart AutoTesting™

Each time you remotely arm the system, it tests all triggers and sensors. If the **hood or trunk** is open when you remotely arm, the system will **immediately** alert you of the problem by issuing **4 chirps** and **4 parking light flashes** instead of the usual 2 and 2. If a **door** is ajar, you will receive the usual 2 chirps and flashes, then, **5 seconds later**, there will be **4 chirps** and **4 flashes**. (This door ajar warning will not work on vehicles that have factory-delayed courtesy lights). If a **sensor** is malfunctioning, you will receive the usual 2 chirps and 2 flashes, then, **10 seconds later**, there will be **4 chirps** and **4 flashes**.

NOTE: *Since this is a warning indication, you will hear the 4 chirps even if you have the chirp muting feature turned on.*

- **Specific malfunction identification:** The system can also indicate the **specific** trigger or sensor that is malfunctioning. If you receive the 4-chirp/4-flash signal upon remote arming, perform the following to identify the malfunctioning trigger or sensor:

1. Remotely disarm, then turn on the ignition. The LED status indicator inside your vehicle will be flashing, pause, then repeat.
2. Count the number of blinks in one cycle between pauses (for your convenience, the blink cycle repeats a total of 5 times) and refer to the chart below:

Number of LED blinks between pauses	Malfunction
1 blink	Magnetic Resonance Sensor
2 blinks	Optional sensor
3 blinks*	Door trigger*
4 blinks	Trunk trigger
5 blinks	Hood trigger

** If your vehicle has a factory-installed feature that turns off or dims the interior courtesy lights several seconds after you exit the vehicle, the system cannot provide this indication.*

Automatic malfunction bypass

To provide the utmost protection even if a system component malfunctions, your IntelliGuard 700 will automatically bypass any faulty point and arm all *other* triggers and sensors until you can have the system serviced by your local Authorized Dealer.

Multiple-event TotalRecall™

The system's non-volatile memory records the identity of the last eight activated or malfunctioning triggers and/or sensors, which allows your installer to instantly track down malfunctions and save you substantial servicing costs. To identify the triggers and/or sensors held in the system's non-volatile memory, simply perform the following procedure:

1. With the ignition OFF, flick the PlainView valet switch to its latched side.
2. Press button I to "arm" the system, then again to "disarm."
3. The LED will blink 1–5 times to indicate the most recently activated trigger or sensor, pause, then blink 1–5 times to indicate the next most recently activated trigger or sensor, and so on for the last 8 activations.
4. Write down the number of blinks between pauses and refer to the chart below:

Number of LED blinks per cycle	Trigger/sensor that was activated or malfunctioned
1 blink	Magnetic Resonance Sensor
2 blinks	Optional sensor
3 blinks	Door trigger
4 blinks	Trunk trigger
5 blinks	Hood trigger

Smart prior intrusion attempt alert

When you remotely disarm, if you hear three chirps and see three parking light flashes (instead of the usual one and one) it means that a trigger or sensor was activated in your absence. When you enter the vehicle and turn on the ignition (or start the engine), the LED will blink 1–5 times, pause, then repeat the blink cycle 4 more times. Count the number of blinks in one cycle and refer to the chart below:

Number of LED blinks per cycle	Trigger/sensor that detected the intrusion attempt
1 blink	Magnetic Resonance Sensor
2 blinks	Optional sensor
3 blinks	Door trigger
4 blinks	Trunk trigger
5 blinks	Hood trigger

High-output MultiSound Medallion™ Siren

All the electronics for the siren are built into the IntelliGuard 700's control unit rather than the siren itself. This protects the circuitry from engine heat, dirt and exposure to the elements (in contrast, the electronics of other alarm companies' sirens are part of the siren itself and, therefore, far more susceptible to failure). In addition to greatly enhancing long-term reliability, your IntelliGuard 700 also provides these additional features:

- ***Personalized Siren Sounds:*** Most alarm sirens have a single “warble” tone. A few offer “six-tone” sirens that either cannot be adjusted or require the physical destruction of certain circuit wires in order to change the sounds (the change is permanent and cannot be changed again). Your IntelliGuard 700 MultiSound Medallion Siren circuitry is different. As shipped from the factory, the siren sounds six different alarm sound patterns. However, you may turn any of the six different alarm sound patterns on or off to create a different combination of sound patterns. In all, there are 64 different combinations you may select. You may set your own Personalized Siren Sounds so if you hear a siren at a distance, *you will know for sure* whether it is your car or someone else's. See *User-selectable features* on pages 19–21.
- ***QuietChirps™:*** You can control the volume of the normal arm and disarm chirps. As shipped from the factory, your IntelliGuard 700 issues full-volume chirp acknowledgments. If you prefer, you may reduce the chirp volume to a level that is clearly audible, yet less obtrusive. See the *User-selectable features* section on pages 19–21.
- ***Long-term chirp silencing:*** Whenever you wish, you may choose to silence your IntelliGuard 700 system's arm and disarm chirps until you decide to restore them. The parking light flashes will continue to provide visual confirmation of remote controlled arming and disarming. See *User-selectable features* on pages 19–21.
- ***Remote controlled chirp muting:*** Your IntelliGuard 700's remote controlled chirp muting capabilities are especially valuable when parking late at night in a quiet residential area or any other time when you want to arm or disarm the system silently. To arm or disarm silently, simply press button 3 (channel 3) on your remote control instead of the usual button 1 (channel 1).
- ***Siren duration:*** When the system detects an intrusion attempt, the alarm is set to sound for 30 seconds, then automatically reset itself. However, if you prefer, you may change the siren duration cycle to 60 seconds. See the *User-selectable features* section on pages 19–21.

How to interpret the 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 and in normal operating mode (i.e., valet mode is off)
On	Valet mode is on, the vehicle can be driven or serviced without having to disarm
Flashing (ignition off)	System is armed and protecting your vehicle
Pause between flashes	Either a malfunction (see Smart AutoTesting on page 15) or an intrusion was attempted while you were away (see Smart prior intrusion attempt alert on page 16)

Smart Trunk Release Capability

Your IntelliGuard 700 has a built-in electronic interlock that automatically prevents accidental activation of the remote trunk release option. If you have this option, you'll note that the system must be disarmed and the ignition must be off in order for you to remotely pop the trunk with button 2 (channel 2). Transmitting channel 2 while the system is armed will have no effect.

SmartPowerUp™ II

If power to the system control unit is ever removed, SmartPowerUp II ensures that the system will automatically restore itself to its previous status when power is restored. So if a thief tampers with the vehicle battery in an attempt to steal your car, the system will automatically re-arm itself and immediately sound the siren. However, if your vehicle is to be serviced by a mechanic, just put the system in valet mode. If the mechanic needs to interrupt vehicle power, your system will automatically return to its valet mode state when power is restored; there will be no alarm activation and no need to provide your mechanic with your remote control and instructions on how to use it.

AutoLock/AutoUnLock™

For your safety and that of your passengers, the system automatically locks the doors when you begin driving, and unlocks them when you turn off the ignition. If you prefer, you may turn off this feature. See the *User-selectable features* section on pages 19–21.

User-selectable features

Your IntelliGuard 700 allows you to set many of its features to your own personal preferences. Although the system's programming capabilities are very extensive, we have made the programming procedures very simple: to make a change, you just flick the PlainView switch a few times. Once you've changed a few settings, you'll find that programming IntelliGuard 700 is so easy, you can even do it while driving! The system comes with all of its features pre-programmed as noted by the bold type in the *Matrix of user-selectable features* on the following page. To change any of the settings, use the steps noted below. To restore the feature to its factory setting, just repeat the procedure:

1. Refer to the *Matrix of user-selectable features* and make note of the column number and row number of the feature(s) you wish to program.
2. Insert your ignition key and turn it to the "ON" position, or start the engine (skip this step if the engine is already running).
3. Enter your disarming code, then press and hold the PlainView switch to its spring-loaded momentary side for about 3 seconds until you hear a siren chirp. You'll also notice that the system LED turns on to indicate that the system is in its programming mode. The system is now in the "Feature Select" position: the top left cell of the matrix. From this position, you will first select the feature column (from left to right), then the feature row (from top to bottom).
4. Select the feature column: To select the column you wish, toggle the switch in and out of the latched position the same number of times as the column number of the selected feature (NOTE: each latched-to-center motion is counted as one). After a one-second pause, you will hear the same number of chirps as the column number you have selected, audibly confirming your selection.
5. Select the feature row: To select the feature's row, immediately tap and release the momentary side of the switch the same number of times as the feature's row number. You will hear a single chirp confirmation each time you press the momentary side to help you count.
 - a. **VERY IMPORTANT:** If there is a **NOTE** number listed in the selected feature of the matrix, perform the actions listed for that note. Once you have completed the **NOTE** instructions, skip step 6 below and go to step 7.
6. After a one-second pause you will hear either one chirp to indicate that the feature you selected is now turned off, or two chirps to indicate that the feature is now on (on the siren duration feature, one chirp = 30 seconds, two = 60 seconds).
7. You have now completed the programming of the desired featured. You may select another feature, or you may exit program mode:
 - a. To program another feature in that same column, you must repeat step 5 within the next 3 seconds (if longer than 3 seconds, you will hear three chirps to indicate that you are now in the "Feature Select" position).
 - b. To select a different feature column, go to step 4.
 - c. To exit program mode, turn the ignition off (you'll hear 3 chirps and the LED will turn off to indicate exit of program mode). If driving, just wait for 30 seconds and the system will automatically exit programming mode by itself (indicated by 3 chirps and extinguishing of the LED).

The above may sound complicated, but it really isn't. Briefly, here is all you do: Choose the feature you want, enter program mode, select the feature's column and row, then turn off the ignition. *That's it!* Try the examples on the following page.

Matrix of user-selectable features

Feature Select	Column 1 1st latched	Column 2 2nd latched	Column 3 3rd latched	Column 4 4th latched	Column 5 5th latched
Row 1 1st momentary	Sound 1: on/off info on page 17	Add new remote to channel 1 info on page 8-9 NOTE 1	Test/adjust primary (normal) zone of the Magnetic Resonance Sensor info on page 13 NOTE 6	QuietChirps: on/off info on page 18	NOT USED
Row 2 2nd momentary	Sound 2: on/off info on page 17	Add new remote to channel 2 info on page 8-9 NOTE 2	Test/adjust secondary (high) zone of the Magnetic Resonance Sensor info on page 13 NOTE 7	Long-term chirp silencing: on/off info on page 17	Channel 4 timer: ★ 1sec-2.5min (30sec) NOTE 9
Row 3 3rd momentary	Sound 3: on/off info on page 17	Add new remote to channel 3 info on page 8-9 NOTE 3	Pulsed/constant ground output upon panic	15-second entry delay: on/off info on page 13	Channel 4 output: pulsed , timed or latched
Row 4 4th momentary	Sound 4: on/off info on page 17	Add new remote to channel 4 info on page 8-9 NOTE 4	FACT: on/off info on page 15	Autolock/Unlock: on/off info on page 18	Siren duration: 30/60 seconds info on page 18
Row 5 5th momentary	Sound 5: on/off info on page 17	Erase all channels info on page 8-9 NOTE 5	Factory-delayed courtesy lights: on/off	Enhanced AutoArming: on/off info on page 13	NOT USED
Row 6 6th momentary	Sound 6: on/off info on page 17	NOT USED	Set a new secret valet code info on page 12 NOTE 8	AutoArm & Lock: on/off info on page 13	NOT USED

★ **WARNING:** If you have remote window and sunroof closure, **DO NOT CHANGE THIS SETTING;** it requires installer-only adjustment. Changing the duration may cause damage. Gray cells indicate features that require programming by trained Clifford installers. **DO NOT** change any of these settings.

- **NOTE 1:** Transmit channel 1 (or other channel of your choosing) of the new remote control. You will hear two chirps to indicate that the code has been accepted and recorded.
- **NOTE 2:** Transmit channel 2 (or other channel of your choosing) of the new remote control. You will hear two chirps to indicate that the code has been accepted and recorded.
- **NOTE 3:** Transmit channel 3 (or other channel of your choosing) of the new remote control. You will hear two chirps to indicate that the code has been accepted and recorded.
- **NOTE 4:** Transmit channel 4 (or other channel of your choosing) of the new remote control. You will hear two chirps to indicate that the code has been accepted and recorded.
- **NOTE 5:** When you hear the two chirps, all remote control codes will have been erased from system memory. You must now add the new and/or existing remote controls to the system (i.e., program channels 1-5 of each remote that will be used with your IntelliGuard 700 system).
- **NOTE 6:** Turn off the ignition and exit the vehicle. Firmly “thump” the window pillar with the side of your fist. You should hear a chirp to confirm activation of the sensor’s
- **NOTE 7:** Use the same procedure as **NOTE 7**, but strike the window pillar lightly.
- **NOTE 8: Immediately flip the switch to its latched position**, then enter the new code that you wish to use. Make sure to return the switch to its center position when complete, then wait 3 seconds (you will hear two chirps when the system has accepted the new code). Turn the ignition off. **VERY IMPORTANT: You must immediately test your new secret disarming/valet code:** Turn the ignition on, enter your new code, then flip the switch to its latched position. The LED will illuminate. If it does not, the new code you programmed and the one you just entered do not match. **The system has reverted to the previous code.**
- **NOTE 9:** The timer starts as soon as you enable this feature. When the duration you wish has been reached, press button 1 on the remote control. You will hear two chirps to confirm the new duration.

EXAMPLE 1: Turn off siren sound number 2:

1. Look for the siren's sound number 2 location on the Matrix.
2. The location is at the intersection of column 1 and row 2. Note the column and row numbers.
3. With the ignition on, enter your disarming code on the PlainView valet switch, then hold the switch in its momentary position until you hear a chirp and see the LED turn on.
4. Select feature column 1 by pressing the switch to its latched position, then back to center. After a brief pause, you'll hear 1 chirp to indicate column 1.
5. Press and release the momentary side twice. You'll hear a total of two chirps to indicate that you selected the feature in row 2 of that column.
6. After a brief pause, you'll hear a single chirp to indicate that sound #2 is now off.
7. Turn the ignition off (you'll hear 3 chirps) and you're done!

If you wish to turn siren sound 2 back on, simply repeat steps 1–7.

EXAMPLE 2: Turn off siren sound numbers 4 and 6, then turn on QuietChirps:

This time, we will change the settings of three different features. This time, you'll *hear* the appropriate chirp confirmations, but we won't make note of them in the instructions below:

1. Enter program mode (step 3 above).
2. Latched, center to select column 1.
3. Four momentaries, (wait for the one-chirp "feature off" confirmation), then 6 momentaries to jump to row number 6.
4. Four latched-center presses to select column 4.
5. One momentary, (wait for the two-chirp "feature on" confirmation), then turn the ignition off and you're done.

You just changed the settings of *three* different features. It's so easy, you could even do it while driving. To set all three features back to their factory settings, just repeat steps 1-5.

Adding new remote controls

For other drivers in your family, or if you wish to control IntelliGuard systems on your other cars with the same remote control, you can buy additional remote controls from *any* Clifford Dealer (or call our 24-hour Customer Service Department at 800-824-3208) and program them into the system yourself. Each IntelliGuard 700 will respond to as many as four 12-channel remote controls. To add a new remote control to the system, use the procedures noted in the *User-selectable features* section on pages 19–21.

How to erase the codes of lost or stolen remote controls

If one of your remote controls is ever lost or stolen, you can erase its digital codes from the system memory to make sure that the missing remote control can never be used to disarm your system. To do so, use the "Erase all channels" feature (feature column 2, row 5 on the *Matrix of user-selectable features* on pages 20–21). This will clear all remote control codes from the system memory. Then simply program each remaining and/or replacement remote control as noted in the *Adding new remote controls* section above.

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