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## Standard Features of the Concept 600

*The following are standard features of this system. Some vehicles may require optional parts/wiring and a few are incompatible with some features.*

- ☑ **Thatcham-Evaluated**
- ☑ **Lifetime Warranty**
- ☑ **Up-to-£500 theft protection guarantee**
- ☑ **Two Remote Controls: one master remote, one companion remote**
  - **ACG™ 2 (Anti-CodeGrabbing™)**
  - **Extended Range**
  - **Audible Low-Battery Warning**
- ☑ **Built-In Two-Point AutoImmobiliser for Failure-Proof Driving Safety**
- ☑ **Wireless FuelGuard Module**
- ☑ **Patented PlainView 2™ Coded Valet Mode**
  - **User-Selectable Remote Valet Mode Entry/Exit**
  - **Automatic Re-Enabling of Full Security**
- ☑ **Digital Dual-Zone Proximity Sensor 4 with Remote Zone Override**
- ☑ **Digital Tilt/Motion Sensor**
- ☑ **Built-In Window RollUp**
- ☑ **BlackJax Anti-Carjacking Electronics**
- ☑ **FACT — False Alarm Control and Test**
- ☑ **Optional DataPort™ Interface to Your Own PC**
  - **Point-and-Click Feature Programming with SecureAccess**
- ☑ **Smart Self-Powered Medallion Siren with Unbreachable Digital ComLink**
  - **Smart Self-Powered Circuitry with Automatic Low Battery Warning**
  - **Dual-Mode “Chirp” Silencing**
  - **QuietChirp™/LoudChirp™**
  - **Remote Siren Silencing**
- ☑ **Built-In Door Lock Electronics and Relays**
  - **User-Selectable Automatic Door Locking/Unlocking**
- ☑ **Remote Panic with Smart Locking/Unlocking**
- ☑ **User-Selectable AutoArming™**
  - **Lock upon AutoArming**
  - **Instant AutoArm Bypass**
- ☑ **Smart Remote Boot Release Capability**
- ☑ **Integrated Electronic Timer for Optional Remote Headlight Activation**
- ☑ **Built-In Indicator Light Flasher with On-Board Relay**
- ☑ **Remote Controlled Courtesy Lighting**
- ☑ **Smart AutoTesting™ with Malfunction AutoBypass™ & AutoReMonitoring**
- ☑ **Smart Prior Intrusion Attempt Alert**
- ☑ **Eight-Event TotalRecall™**
- ☑ **High-Luminescence LED Status Indicator with Automatic Battery-Saving Mode**
- ☑ **Remote Control Code Learning**
- ☑ **Clear All Remotes**
- ☑ **Multiple-Car Control**
- ☑ **SmartPowerUp™ 2**
- ☑ **Full-Time SecureAccess™ Programming**

## Welcome to the world of

### high-technology vehicle security and convenience

Congratulations on the purchase of your Concept 600, and thank you for choosing Clifford Electronics World-Class Auto Security for your vehicle security needs! Clifford has long been recognised as the world's leading manufacturer of high-technology vehicle security systems and accessories. Buying Clifford products has always meant buying the best, and nowhere is our commitment to technological innovation, reliability and quality more evident than in the astounding Concept 600 — our top-of-the-line Thatcham-evaluated model.

Concept 600 is loaded with protective features and convenience benefits, including: Window RollUp that automatically closes the front two electric windows every time you remotely arm. The remarkable self-adjusting Digital Tilt/Motion Sensor that detects any attempts to tow the vehicle or remove its wheels. Our innovative Wireless FuelGuard Module that makes theft by even the most skilled car thief virtually impossible since there are no wires for the thief to cut or jump! BlackJax anti-carjacking and vehicle recovery system enhances your personal safety and virtually assures your vehicle can be promptly recovered intact. Concept 600 also has our ACG 2™ (Anti-CodeGrabbing) that fights off thieves with code-grabbers (a device similar to those used to “clone” cellular phones). Clifford's unique PlainView 2 Coded Valet Switch ensures no thief, carjacker or joyrider can turn off your Concept 600 like they can with other car alarm brands. The Smart Self-Powered Medallion Siren with Digital ComLink will detect any theft-related wire tampering and will continue to sound even if the thief were to cut all the wires! Our new optional CliffNet Wizard™ PC interface even lets you test and set all the user-selectable features on your computer screen. Plus there's remote controlled valet mode, dual-point immobilisation in addition to the Wireless FuelGuard, an electronic interlock to prevent accidental activation of the optional remote boot release, smart automatic locking/unlocking if you ever need to “panic” the system, full-time programming access (even whilst driving), and much, much more. Yet despite all the sophistication, you will find that your Concept 600 is amazingly easy to use: never more difficult than a few presses of a button.

**NOTE: Your system MUST be installed by an Authorised Clifford Dealer in accordance with the instructions we supply them. The system is intended for automobiles with a 12-volt battery and petrol- or diesel-powered engines. (BlackJax works on electronic petrol-injected vehicles and will work on most diesel-engine vehicles with the addition of our optional #60-226 adapter).**

**NOTE: The Installation Certificate document must be completed by your installer at the Authorised Clifford Dealer. Other than the remote controls, this system has no user-serviceable parts. Your Authorised Clifford Dealer can correct any system wiring problems and, if ever needed, can return any malfunctioning component to Clifford Electronics for repair/replacement under the terms printed on the supplied warranty card. Any alterations or additions would automatically invalidate the warranty, antitheft guarantee (if applicable) and invalidate the Installation Certificate.**

## Maintenance

Your Concept 600 requires no maintenance except for replacement of remote control batteries when they reach the end of their useful life; see the *Automatic low battery warning* and *Remote control battery replacement* sections on page 11. This product, like any electrical device in your vehicle, requires that your vehicle battery be in proper working order and fully charged. To ensure proper operation, periodically have your vehicle battery “load-checked” at any local garage/mechanic and ask them to verify that the charging system (alternator, etc.) is working properly. Also make sure the battery cables and connections are tight and free from corrosion.

## **Built-in vehicle recovery/anti-carjacking feature**

Concept 600's built-in BlackJax feature provides a safe and effective means of recovering your vehicle after a theft or carjacking. In a carjacking situation, the sooner you are out of the car the better. Don't resist or take anything with you, just get out and get away. The instant the car door is opened, your Concept 600 takes charge. First it allows the carjacker to drive a short distance, ensuring your safety. Then it repeatedly flashes the brake lights and continuously sounds the siren to caution nearby drivers and draw attention to your stolen vehicle. Then when the carjacker slows for a turn or traffic, it safely shuts down the engine and dynamically prevents it from being restarted. The system will ignore the remote control at this point (since the carjacker most likely took your remote along with your keys).

Even if the carjacker is familiar with our system, your Concept 600 will assure that he cannot restart the engine. Unable to do so, and with your stalled vehicle in the middle of traffic — siren wailing and brake lights flashing — the carjacker has no choice but to abandon your car. (The same occurs to anyone who steals your parked car from you at a petrol station or in a car park, which are the most common carjacking sites). To recover your vehicle, you simply walk a block or two to your car, enter your code, and the system releases control of the vehicle to you.

**VERY IMPORTANT: The factory setting for the anti-carjacking feature is OFF. Once you are familiar with the following, we suggest you turn this feature ON (see pages 21-22). When anti-carjacking is on, each time you begin driving you MUST enter your disarming code via the PlainView 2 switch on the dashboard or console (unless the system is in valet mode). You may turn this feature on or off at any time.**

Your secret disarming code tells the system that the car is being driven by an authorised person. If you or a passenger opens and closes a car door at any point whilst the engine is running (as would occur in a carjacking attempt), *you must again enter your secret code.*

## **Enable/disable the anti-carjacking feature**

You may enable or disable the BlackJax anti-carjacking feature (see *User-selectable features* on pages 21-22) or temporarily override it via PlainView 2 Coded Valet Mode (see page 14).

## **Your secret disarming code**

Unless the BlackJax anti-carjacking feature is turned off or the system is in valet mode (see page 14), 20 seconds after you switch on the ignition and press the brake (or open and close a door whilst the engine is running), you **must** enter your secret disarming code to let the system know it is you who is driving.

**Your system's factory-set disarming code is noted on the back cover of this manual.**

### **Definitions**

- **Digit:** A digit is defined as any number from 0 to 9, inclusive.
- **Disarming code:** A disarming code may be 1 to 4 digits in length, but the first digit may not be a zero:
  - A 1-digit code = any number between 1-9
  - A 2-digit code = any number between 10-99

A 3-digit code = any number between 100-999  
A 4-digit code = any number between 1000-9999

- **PlainView 2 switch:** A two-button switch mounted on the dashboard or console. One of the buttons is marked with a raised ★, the other is unmarked. Each time you drive your car, you must enter your secret disarming code via the PlainView 2 switch.
- **Entering a digit:** To enter a digit, you press and release the ★ button of the PlainView 2 switch the number of times of the digit to be entered, followed by pressing the unmarked button. To enter a zero, you simply press and release the unmarked button.
- **Entering a code:** To enter your code, just repeat the above for each digit of your code.

**EXAMPLE:** To enter a code of 1203, you would press and release the PlainView 2 switch buttons thusly: ★ unmarked, ★★ unmarked, unmarked, ★★★ unmarked.

**NOTE:** You may NOT select a code that begins with a zero. The first digit of your code must be 1–9.

### **IMPORTANT: What you MUST do to drive your car**

If you have the BlackJax anti-carjacking feature turned on, until you set your own disarming code, you will use the factory-set code noted on the back cover of this manual. To drive your car, do the following:

1. Shut all doors, then start the engine.
2. Enter the factory-set disarming code noted on the back cover of this manual using the *Entering a code*: information noted above (you may do this whilst driving, if you wish). The LED will light.
3. The LED will flash on for an instant after entry of the final digit to confirm proper code entry. You may now drive or continue driving the vehicle.

#### **What you MUST do if you hear 5 siren chirps while driving**

If you forget to enter the code, the system will remind you to do so 20 seconds after you begin driving by “chirping” the siren 5 times and flashing the dashboard LED. At this point, you have another 20 seconds to enter your code. When entered, the LED will stop flashing and the siren will chirp once to confirm proper code entry. If the proper code is **not** entered within 20 seconds after the 5-chirp signal, the engine will shut down as soon as you slow for traffic or a turn. You may enter your disarming code even after the engine is shut down. Once the proper disarming code is entered, you will be able to resume driving.

### **“Guessing” your code won’t help a carjacker**

What if the carjacker is familiar with Clifford’s patented PlainView 2 coding system and tries guessing codes at random? No problem. After three incorrect codes are entered, the system will ignore any further code entries for a short time. So even if the carjacker were to actually stumble upon your code during this time, he would *still* not be able to silence your system or restart the engine.

### **How to set your own secret disarming code**

You may choose any 1-, 2-, 3- or 4-digit code, but the first digit must not be a zero (e.g., 1023 is a valid code, 0123 would not be a valid code). You can also change your code whenever and wherever you want with the procedure noted on pages 21-22.

*continued...*

### Example

Let's say you want to set a disarming code of 4301. To do so, you would do the following:

1. From the *Table of user-selectable features* on page 22, you would note that the *Set a new secret disarming/valet code* feature is in column 2, row 7.
2. Enter program mode by turning on the ignition, entering your current disarming code, then pressing and holding the PlainView 2 ★ button for 3 seconds until you hear a chirp.
3. Select column 2 by pressing the unmarked button twice. After a brief pause, you will hear 2 chirps to confirm that you have selected feature column 2.
4. Within 5 seconds, select row 7 by pressing and releasing the PlainView 2 ★ button 7 times. To help you count, you will hear a chirp each time you press the ★ button. After 7 presses, **immediately** press the unmarked button, then **immediately** enter your new code.

**Example: To enter 4301 as your new code, you would press the switch buttons in this manner: ★★ ★★ unmarked, ★★ unmarked, unmarked, ★ unmarked.**

5. Wait for the 2-chirp confirmation.
6. Turn off the ignition to exit program mode (you'll hear a 3-chirp confirmation).
7. **VERY IMPORTANT: You must immediately test your new valet code:** Turn on the ignition, enter your new code, then press and hold the unmarked button for 3 seconds. The LED will illuminate to indicate the system is in valet mode (see page 14 for information on valet mode). Turn the ignition off. The system is now in valet mode.

**If the LED does not light, the new code you programmed and the one you just entered do not match. In such a case, the system reverts to the previous code.**

8. Turn the ignition on. The LED will turn off to indicate that the system has exited valet mode and is now in normal operating mode. You may now turn off the ignition.

## Your remote controls

The master remote control and the companion remote control are ultra-sophisticated miniature radio transmitters powered by a single miniature battery (a 12-volt alkaline for the master remote control; 3-volt lithium for the companion remote). A weak remote control battery will reduce range (your Concept 600 system will warn you if the remote control battery is nearing the end of its useful life, see page 11 for details). Electrical/radio frequency interference, obstructions, weather conditions and even sunspots can interrupt the signal from your remote control. If this happens, repeatedly press the remote control button several times until the system responds (this works better than holding the button).

The remote controls are the keys to your system. But these remote controls are much more secure than car keys because each incorporates Clifford's ACG 2™ (Anti-CodeGrabbing 2™) technology with trillions of possible digital codes for the ultimate protection. You will use your Concept 600 remote control to arm and disarm the system, lock and unlock the doors, activate/deactivate the panic feature, close the electric windows, enable/exit valet mode, override one or both Proximity Sensor zones and command options such as a remote boot release, electric garage door interface and even remote starting of the engine and heater or air conditioner, among other options.

**TIP: If you press the top of the remote to your chin while pressing the button, you can greatly increase the range since your body acts as a large radio antenna (this is the same principle as a station coming in more clearly when you touch the TV or radio antenna).**

Your master remote control can command up to 16 different system functions and options. But instead of putting 16 buttons on the remote control, we made it easy: First,

than the others. Buttons 2, 3 and 4 are the smaller buttons to the right, below and left of button 1. The *LevelShift*

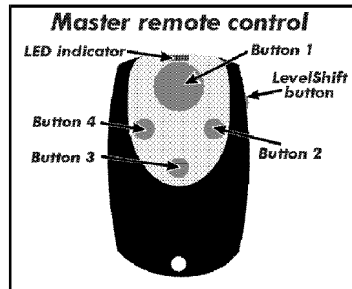
- **To transmit either channel 1, 2, 3 or 4:** Just press either button 1, 2, 3 or 4. For instance, to transmit channel 3, press button 3. Whilst you transmit, the LED indicator will flash once every **level 1**.

- **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. Whilst you transmit, you'll notice that the LED indicator flashes twice, pauses, flashes 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 10, press the LevelShift button twice, then press button 2. Whilst you transmit, you'll notice that the LED flashes three times, pauses, flashes three times, etc.: this indicates **level 3**.

- **To transmit channel 13, 14, 15 or 16:** Press the LevelShift button three times. This shifts buttons 1-4 to level 4 (channels 13-16). Then press the corresponding button within the next 7 seconds. For instance, to transmit channel 16, press the LevelShift button three times, then press button 4. Whilst you transmit, you'll notice that the LED flashes four times, pauses, flashes four times, etc.: this indicates **level 4**.

**NOTE:** One second after you stop transmitting on level 2, 3 or 4 (channels 5-16), the remote control automatically returns to level 1 (channels 1-4).



### How to use your COMPANION remote control

We made controlling basic system functions even easier with the companion remote control. For example to arm/disarm and lock/unlock, just press the button with the lock/unlock symbol: ; to activate the remote boot release option, just press the button with the boot-open symbol: . For less frequently used features, simultaneously pressing a combination of two buttons (as specified in the following section) will do the job.








### Remotely controlling your Concept 600

Each of your two remote controls can command several different functions and options.

#### TO ARM:



Press button 1 on the master remote control or button on the companion remote control. You will hear **two chirps** and the indicator lights will flash twice. The dashboard LED will flash repeatedly, your vehicle's power locks will automatically lock and the two windows controlled by the *Automatic Window RollUp* feature (see page 13) will close.

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<b>TO DISARM:</b>	Press button 1 on the master remote control or button  on the companion remote. <b>One chirp</b> and one indicator light flash confirms disarming. In addition, the doors will automatically unlock, the LED will turn off and the interior lights will turn on and stay on for 30 seconds or until you start the engine, whichever occurs first.
<hr/>	
<b>TO ARM OR DISARM SILENTLY:</b>	By pressing button 3 on the master remote or pressing both the  button <b>and</b> the ★ button on the companion remote, you can arm or disarm your Concept 600 with all the indications previously noted <i>except</i> the chirps.
<hr/>	
<b>TO ACTIVATE THE PANIC FEATURE:</b>	For three seconds, <i>continually</i> press button 1 on the master remote or button  on the companion remote. The indicator lights will flash repeatedly and the siren will blare until you press the button again to turn it off. If the ignition is on (indicating you are in the car), the doors will lock to prevent an assailant from entering (note: some vehicles are unable to lock the doors whilst the ignition is on). If the ignition is off, the doors will unlock, allowing you to enter immediately without fumbling with your keys.
<hr/>	
<b>TO REMOTELY OPEN THE BOOT:</b>	If you have the remote boot release option, pressing button 2 on the master remote or button  on the companion remote whilst the system is disarmed will release the boot latch (see <i>Smart boot release option</i> on page 18 for more information). If you do not have the boot release option, you may assign this button to activate one of the other functions noted in column 4 of the <i>Table of User-Selectable Features</i> on page 22, or it can be programmed into a Clifford ACG 2 electric garage door/entry gate opener interface or a Concept 100, 300, 400 or 600 system on your other vehicle.
<hr/>	
<b>TO REMOTELY START THE ENGINE:</b>	Button 4 on the master remote or button ★ on the companion remote is factory-set to activate the IntelliStart 4* remote engine starting accessory. If you do not have this option, you may assign this button to activate one of the other functions noted in column 4 of the <i>Table of User-Selectable Features</i> on page 22, or it can be programmed into a Clifford ACG 2 electric garage door/entry gate opener interface or a Concept 100, 300, 400 or 600 system on your other vehicle.
<hr/>	
<b>TO ACTIVATE THE TIMED HEADLIGHTS:</b>	If you have this option, channel 7 (LevelShift button once, then button 3) on the master remote or button  on the companion remote will turn on the headlights for any duration you wish between one second and 4 minutes (the factory setting is 10 seconds; see <i>User-selectable features</i> on pages 21-22). If you do not have this option, you may assign this button to activate one of the other functions noted in column 4 of the <i>Table of User-Selectable Features</i> on page 22, or it can be programmed into a Clifford ACG 2 electric garage door/entry gate opener interface or a Concept 100, 300, 400 or 600 system on your other vehicle.





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**TO REMOTELY ENABLE OR EXIT VALET MODE:** Channel 9 (LevelShift button twice, then button 1) on the master remote or simultaneously pressing buttons  **and**  on the companion remote is factory-set to enable/exit your Concept 600's valet mode (see page 14 for details on valet mode). Two indicator light flashes confirm remote enabled valet mode entry, a single flash confirms valet mode exit. If you prefer, you may turn off remote controlled valet mode as noted in the *User-selectable features* section on pages 21-22 so that the system **cannot** be placed in valet mode via the remote controls.



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**TO REMOTELY VENT OR OPEN THE WINDOWS:** If you have the SmartWindows 4 option, channel 6 (LevelShift button once, then button 2) on the master remote or simultaneously pressing buttons  **and**  on the companion remote is factory-set to fully open the electric windows if the system is disarmed. If the system is in its armed state when you press this channel or button combination, SmartWindows 4 will vent the windows slightly for ventilation on hot days. Please note that one SmartWindows 4 module will control two electric windows, while the system's built-in Window RollUp electronics will control two others. Windows controlled by the system's Window RollUp electronics cannot be remotely opened or vented, only those controlled by the SmartWindows 4 option. SmartWindows 4 is not compatible with some vehicles.

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**TO REMOTELY TURN SPEECH ON OR OFF:** If you have the IntelliVoice 4 speech synthesis option, channel 8 (LevelShift button once, then button 4) on the master remote or simultaneously pressing buttons  **and**  on the companion remote control will toggle the voice acknowledgments on/off (i.e., change the system's arm/disarm confirmations from 2 chirps/1 chirp to verbal "**ARMED**"/"**DISARMED**" confirmations and vice-versa).

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**TO REMOTELY OVERRIDE PROXIMITY SENSOR ZONES** Channel 10 (LevelShift button twice, then button 2) on the master remote control or simultaneously pressing buttons  **and**  on the companion remote anytime after arming will override the warning zone of the system's Dual-Zone Proximity Sensor 4. A second press will override *both* zones (see *Remote controlled override of each Proximity Sensor zone* on page 15).

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**OTHER FEATURES AND OPTIONS** Other features and options can be accessed from the companion remote control and/or master remote control as noted in the chart that follows:

<b>QUICK REFERENCE: REMOTE CONTROL FUNCTIONS</b>			
<b>Function</b>	<b>Companion Remote Button(s)</b>	<b>Master Remote</b>	
		<b>LevelShift?</b>	<b>Button</b>
Arm or disarm and lock or unlock the doors		no	1
Optional wired accessory #1 (usually remote boot release)*		no	2
Silently arm or disarm and lock or unlock the doors	+	no	3
Unassigned or IntelliStart 4** accessory engine start/stop*		no	4
Unassigned*	+	1 time	1
Unassigned or SmartWindows 4 accessory full open or vent*	+	1 time	2
Optional wired accessory #2 (usually headlight activation)*		1 time	3
Optional wired accessory #3 (usually IntelliVoice 4 accessory speech on/off)*	+	1 time	4
Remote valet mode entry/exit (see page 14)	+	2 times	1
Remote Proximity Sensor zone override (see page 15)	+	2 times	2
Unassigned or IntelliStart 4** LowBattery/LowTemp AutoStart as well as standard transmission SafeStart (see IntelliStart 4 manual)		2 times	3
Unassigned*		2 times	4
Unassigned*		3 times	1
Unassigned*		3 times	2

\* These buttons can be assigned to control Concept 100, 300, 400 or 600 systems and accessories on your other vehicles.  
 \*\* This feature/accessory is not evaluated by Thatcham.

### **ACG 2™ (Anti-CodeGrabbing 2™)**

ACG 2 protects you and your automobile from the most effective and onerous car stealing device ever used by car thieves — a code-grabber.

Code-grabbers literally record, from hundreds of feet away, the code sent by your car alarm remote control (code-grabbers are very similar to, but simpler than, cellphone “cloning” devices). The thief then simply plays back the code when you’re gone, instantly disarming the alarm and unlocking the doors. It’s like leaving your keys and remote on the bonnet.

Many alarms can be defeated that easily, and some of the latest “smart” code-grabbers can even decipher the code hopping/jumping sequence used by other car alarm manufacturers. In contrast, Clifford Concept 100, 300, 400 or 600 systems use complex digital signal processing and unbreachable code encryption to randomly change the digital code every time you use the remote control. Your remote controls will **never** transmit the same code twice, and the control unit will **never** accept the same remote control code twice. Thus the code recorded and played back by the thief’s code-grabber — even the latest generation smart code-grabbers — will never be accepted by your Concept 600 system.

### **Automatic remote control low-battery warning**

If your remote control battery is very low, you will hear a low-pitched chirp whenever you disarm rather than the high-pitched chirp that you normally hear. The system will continue to sound this low-pitched chirp every time you disarm until you replace the battery. Since this is a warning indication, you will hear this low-pitched chirp regardless of whether you have the system set to QuietChirps, LoudChirps or no chirps and even if you use the silent disarming feature (see page 8).

### **Remote control battery replacement**

Replacement of a remote control battery is simple, but any Authorised Clifford Dealer will be happy to do it for you without cost provided you buy the replacement battery at their shop (it's also a good idea to keep a spare of each battery type in your glove box just in case).

#### **Master remote:**

1. Unscrew the retaining screw on the back of the remote control.
2. Carefully pry apart the remote control case with your fingernails or a small, thin screwdriver blade near the keyring opening (you may leave the keyring in place).
3. Remove the old battery noting the + and – indications and replace it with the new one.
4. Put the enclosure back together by first aligning the LevelShift button side, then the top of the remote, then snap the case back together at the bottom.
5. Reinsert the retaining screw but **DO NOT OVERTIGHTEN**.

#### **Companion remote:**

1. Insert a small, thin screwdriver blade in the slot near the keyring opening (you may leave the keyring in place) and turn it to separate the two halves.
2. Remove the old battery noting the + and – indications and replace it with the new one.
3. Put the enclosure back together by first aligning the top of the remote, then snapping the case back together at the bottom.

### **Adding new remote controls**

For other drivers of the vehicle in your family, you can purchase additional remote controls from any Clifford Dealer (or ring our UK Customer Service Department on 0800 929949 or 0181 646 8440). Concept 600 responds to as many as four remote controls.

**NOTE: Your Concept 600 will respond only to Concept 100, 300, 400 and 600 type ACG 2 remote controls. Older Clifford ACG and non-ACG remote controls are not compatible with the Concept 600.**

To add a new remote, use the *Add new remote* feature (column 1, row 1) of the *User-selectable features* on pages 21-22. You may also assign unused buttons and/or button combinations from the remote controls of other Concept 100, 300, 400 and 600 systems to your Concept 600 as noted in column 4 of the *User-selectable features* on pages 21-22.

### **How to erase the codes of lost or stolen remote controls**

If one of your Concept 600 remote controls is ever lost or stolen, you can erase it from the system memory to ensure that the missing remote can never again be used to disarm your system. To do so, use the *Clear All Remotes* feature noted in the *Table of User-Selectable Features* (feature column 2, row 6) on page 22. This *Clear All Remotes* feature will erase all remote from the system memory. Then reprogram each remaining and/or replacement remote control as noted in the *Adding new remote controls* section above.


## **Two-Point Internal AutoImmobilisation**

Whilst armed, your Concept 600 assures that your vehicle is completely immobilised by automatically locking out both the ignition system and starter motor. The system's dual internal immobilisation circuits ensure that a thief will not be able to start your vehicle's engine even if he had a duplicate of your car key. What's more, even if he were to find the system control unit and tear it out of your vehicle, he still would be unable to start your car's engine!

Please be aware that, unlike AutoArming described on page 13, AutoImmobilisation occurs 30 seconds after you turn off the ignition regardless of whether you open or close any doors. What's more, disabling the AutoArming feature has no effect on AutoImmobilisation.

When you remotely disarm your Concept 600 system, the AutoImmobilisation circuits will automatically disengage. You then have 30 seconds in which to start the engine (or turn the ignition switch to its "ON" position).

If more than 30 seconds pass, the immobiliser will automatically reactivate. This will be visually indicated by the LED repeatedly flashing, but at a slower rate than that of the normal rapid "armed" indication flash rate.

*To disarm the AutoImmobiliser if it has armed itself, use the remote control to arm and then disarm the system, or turn on the ignition and press button 1 on the master remote control or button  on the companion remote control.*

## **Wireless FuelGuard Module™**

Our ingenious Wireless FuelGuard Module makes your vehicle undrivable by interrupting the fuel delivery system whilst the system is armed, and it can't be defeated even by the most sophisticated thief.


Why not? Because this unique Clifford innovation unfailingly provides reliable fuel pump obstruction without any wires connecting it to the system control unit. That means that a thief would not be able to find the Wireless FuelGuard Module even if he tried locating and tracing the system wires, since there are no wires for him to trace!

Operation is completely automatic and user-transparent.

*Make sure to keep the record that your Clifford installer provides as to the Wireless FuelGuard Module location in case your vehicle needs future servicing.*

## **Engine Restart Feature**

Thirty seconds *after* shutting down the engine, both the AutoImmobilisation electronics and the Wireless FuelGuard Module will engage, preventing engine starting. To restart the engine, simply do the following:

1. Turn your ignition switch to the "ON" position.
2. Press button 1 (master remote control) or button  (companion remote control). This will disengage the immobilisation.
3. You may now start the engine.

## Automatic Window RollUp

Your Concept 600 has built-in electronics to automatically close two of your vehicle's electric windows every time you remotely arm the system (on some European vehicles, the system can automatically close *all* electric windows and the power sunroof with the addition of a relay). If you wish, an optional Window RollUp Module can be added to close a second pair of electric windows.

For safety, the windows will roll up only when you actively arm the system with the remote control; it will not close them if the system AutoArms (see below for more information on AutoArming). Also for safety reasons, if there is an obstruction in one of the windows that is preventing complete closure, the built-in Automatic Window RollUp electronics will automatically halt the window closing.

### Automatic Window RollUp Instant Bypass

If you wish, you may arm your Concept 600 *without* causing the system to automatically close the two windows. This feature comes in handy on hot summer days by allowing you to leave one or both windows slightly open for interior ventilation whilst the system remains armed.

To remotely arm without Automatic Window RollUp, simply turn the vehicle's ignition switch to "ON" and then "OFF" rapidly. When you do so, you will hear a single chirp confirmation (this action also activates the Instant AutoArming Bypass feature described below). When you then exit the vehicle and arm with the remote control, the system will not attempt to close the windows. The system automatically reverts to normal operation the next time you arm.

## AutoArming™

If this feature is enabled and you forget to remotely arm, the system automatically arms itself 30 seconds *after* the vehicle doors are closed. For your convenience, if you re-open any door(s) within the 30-second countdown, AutoArming restarts the 30-second delay from the beginning after all doors are closed. Concept 600 has these additional AutoArming features:

- **AutoArming enable/disable:** If you prefer, you may deactivate or reactivate the AutoArming feature. See *User-selectable features* on pages 21-22.
- **Visual acknowledgment:** Five seconds after you exit the vehicle, close all the doors and the interior light has turned off, the indicator lights will flash twice to confirm the AutoArming countdown is progressing; 25 seconds later, the system will AutoArm.
- **Lock upon AutoArming:** 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 21-22.
- **Instant AutoArming bypass:** Prevents AutoArming when fuelling the vehicle and other times when you wish to temporarily bypass the AutoArming feature. 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. Your Concept 600 automatically reverts to its normal operating mode when you next start the engine.

## **PlainView 2™ Coded Valet Mode**

All car alarms have a valet mode that essentially turns off the security features. This mode is also used to turn off the alarm if the system is not responding to the remote control. However, thieves can disable other alarm brands in seconds by simply hotwiring the ignition and flicking the alarm's easy-to-find "hidden" valet switch.

In contrast, your Concept 600 system has safeguards that ensure 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 the secret disarming code on the PlainView 2 switch (i.e., the same code you use to turn off the BlackJax anti-carjacking feature; see page 4).

When the system is in valet mode, it overrides the anti-carjacking features (see pages 4-5), the AutoArming feature (see page 13) and all other security features. At various times, you will need to switch the system off. For instance, when refuelling or washing your car.

**Your system's factory-set valet/disarming code is noted on the back cover of this manual.**

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



### **To enable valet mode**

1. Turn the ignition switch to its "ON" position or start the engine if it is not already running.
2. Enter your valet/disarming code on the PlainView 2 switch.
3. *Continue* pressing the unmarked button for 3-4 seconds. Release the button. The LED will continue to remain on for ongoing visual confirmation of valet mode.


### **Automatic exit of the valet mode**

In compliance with Thatcham requirements, the system will automatically exit valet mode the next time that the ignition switch is turned to the "ON" position (e.g., when the engine is started).

## **Remote controlled valet mode entry and exit**

You can even enable or exit valet mode with your master remote control simply by transmitting channel 9 (LevelShift twice, then button 1) on the master remote control or the  and  on the companion remote. In addition to the LED indications noted above, two indicator light flashes will confirm that you have remotely enabled valet mode, a single flash confirms valet mode exit. If you prefer, you may turn off remote controlled valet mode as noted in the *User-selectable features* section on pages 21-22 so that the system **cannot** be placed in valet mode via the remote control.

## **Keyless entry in valet mode**

Even if valet mode is enabled, you can still remotely control the convenience features. For instance, pressing button 1 on the master remote or button  on the companion remote as if you were disarming will unlock the doors (indicated by one indicator light flash) and turn on the interior light(s). Press the button again and the doors will lock (confirmed by two flashes). You may also use the other remote control buttons to activate options such as a remote boot release or remote engine starting.

### **Digital Tilt/Motion Sensor**

Your Concept 600 is supplied with an exclusive Clifford Electronics achievement in three-dimensional movement sensing technology. Until now, the only way to detect jacking up for towing or theft of the wheels was through unreliable mercury or mechanical pendulum switches. These can best be categorized as “no-tech” sensors, since they are extremely prone to both falsing and widely fluctuating sensitivity due to temperature changes. What’s more, these primitive sensors required that the vehicle be parked on a level surface.

In contrast, Clifford’s Digital Tilt/Motion Sensor is truly a leading-edge, state-of-the-art electronic device that integrates in one microchip nanomechanics and a digital signal processing (DSP) microprocessor to instantly and continually analyze all pitch, yaw and motion data. The result is a tilt/movement sensor that, regardless of the conditions, unerringly detects less than one degree of lifting or any minute motion of the vehicle whilst completely ignoring all other conditions that falsely set off all other sensors. Even if you park your vehicle on the steepest hill, the remarkable Digital Tilt/Motion Sensor will accurately respond to the first hint of tampering to reliably protect your vehicle better than any other sensor, bar none. No need for sensitivity adjustments ever. This intelligent sensor continually analyses all conditions and automatically adjusts itself for the maximum sensitivity with absolutely no possibility of false alarms.

### **Digital Dual-Zone Proximity Sensor 4**




Your Concept 600 also has our unique Digital Dual-Zone Proximity Sensor 4, which uses digital signal processing to detect movement inside the passenger compartment and very near the vehicle. If a thief were to break a window and either enter or lean into the passenger compartment, the primary zone of this sensor would trigger the full alarm. However, if a thief was lingering very close to your windows, a warning tone would sound.

Be aware that this sensor uses radar waves to detect movement. These waves pass through nonmetallic materials like plastic, carpet, glass and wood. However, metal and metallic-colored paint, metallic-colored plastic and even some metallic window tinting film will interfere with or completely block the radar waves. As such, it is not unusual that the Proximity Sensor may need a little readjustment soon after installation. In some instances, your Clifford installer may need to try a different location for the sensor.

***Metal objects above or near the Proximity Sensor will have a significant impact on operation, so you should never place coins, CDs, cassettes (iron oxide tape) or other metallic objects above or near where the sensor is mounted.***

***Your Authorised Clifford Dealer can make any sensor adjustments needed.***

### **Remote controlled override of each Proximity Sensor zone**

Transmitting channel 10 on the master remote control (LevelShift button twice, then button 2) or button combination   and  on the companion remote anytime after the system has been armed will override the warning zone of the Proximity Sensor (confirmed with 4 indicator light flashes). This prevents the system from sounding warnings if you must park your vehicle in an area with heavy pedestrian traffic. A second transmission of this channel or button combination will override *both* zones of the Proximity Sensor (confirmed with another 4 flashes). This comes in handy when you must temporarily leave a pet or a passenger in the vehicle. The sensor zones are automatically restored the next time you arm.

## **False Alarm Prevention & FACT™**

With Clifford's patented FACT (False Alarm Control and Test) feature, you'll never experience repeated false alarms. If the siren sounds, DO NOT remotely disarm the system; allow it to run for the full 30-second siren duration. Before sounding the siren a second time, the system automatically checks for another activated sensor or trigger to verify that an intrusion is in progress. Should the siren sound again, you will know for sure that someone is tampering with your vehicle. (If you wish, you may turn off FACT, see *User-selectable features* on pages 21-22.)

## **How to interpret the chirps and indicator light flashes**

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

<i>Chirps/flashes</i>	<i>Meaning</i>
1	<i>You have disarmed the system OR (flash only) you have remotely exited valet mode (see page 14)</i>
2	<i>You have armed the system OR (flashes only) you have remotely entered valet mode (see page 14)</i>
2 and then 4	<i>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 Smart AutoTesting on page 17)</i>
3	<i>Disarmed but there was an intrusion attempt whilst you were away (see Smart prior intrusion attempt on page 17)</i>
4	<i>Armed but the bonnet or boot is ajar (see Smart AutoTesting on page 17) OR (flashes only) remote Proximity Sensor zone override (see page 15)</i>
5	<i>20 seconds to engine shutdown: enter your disarming code IMMEDIATELY (see page 5)</i>

## **How to interpret the LED status indicator**

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

<i>LED Condition</i>	<i>Meaning</i>
<i>Off</i>	<i>System is disarmed and in normal operating mode (i.e., valet mode is off)</i>
<i>On</i>	<i>Valet mode is on, the vehicle may be entered without having to disarm</i>
<i>Flashing rapidly (ignition off)</i>	<i>System is armed and protecting your vehicle</i>
<i>Flashing slowly (ignition on or off)</i>	<i>System is disarmed but the two AutoImmobilisation points and the Wireless FuelGuard have been engaged (see page 12)</i>
<i>Flashing rapidly (ignition on)</i>	<i>20-second countdown to engine shutdown: Enter your disarming code IMMEDIATELY (see page 5)</i>
<i>Pause between slow flashes (ignition on)</i>	<i>Either a malfunction (see Smart AutoTesting on page 17) or an intrusion was attempted (see Smart prior intrusion attempt alert on page 17)</i>

## **Automatic Battery-Saving Mode**

To conserve vehicle battery power (the LED draws more current than the entire control unit), if the system has remained continuously armed for 48 hours, the flash rate will automatically slow to half the normal rate. After 96 hours, it slows to one-quarter.



## Smart AutoTesting™

Each time you remotely arm the system, it tests all triggers and sensors. If the **bonnet or boot** is open when you remotely arm, the system will **immediately** alert you of the problem by sounding **4 chirps** and **4 indicator 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 use the chirp muting feature.

- **Specific malfunction identification:** The system can also indicate the **specific** trigger or sensor that is malfunctioning. If you get the 4-chirp/4-flash signal upon 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 flashes in one cycle between pauses (for your convenience, the flash cycle repeats a total of 5 times) and refer to the chart below:

LED flashes	Meaning
1 flash	Activation of the Proximity Sensor
2 flashes	Activation of the optional vibration/impact sensor
3 flashes	Activation of the Tilt/Motion Sensor
4 flashes*	Door open/ajar
5 flashes	Boot open/ajar
6 flashes	Bonnet open/ajar
7 flashes	Ignition switch was turned on whilst the system was armed
8 flashes	Three or more incorrect valet/disarming codes were entered
9 flashes	The BlackJax anti-carjacking countermeasure was triggered
10 flashes	Power tampering or the vehicle battery is very low

\* 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 with AutoReMonitoring™

To provide the utmost protection even if a system component malfunctions, the system will automatically bypass any faulty point and arm all *other* triggers and sensors to provide the utmost possible protection until you can have the system serviced by your local Authorised Clifford Dealer. If you accidentally armed with the bonnet, boot or a door open, just close the open point (no need to disarm-and-rearm) and the system will again monitor that point.

## Smart prior intrusion attempt alert

If you hear three chirps when you remotely disarm, 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 flash 1-10 times, pause, then repeat the flash cycle 4 more times. Count the number of flashes in one cycle and refer to the chart above.

## **Multiple-event TotalRecall™**

Your Concept 600 system's memory records the identity of the last eight activated or malfunctioning triggers and sensors, which allows your installer to instantly track down malfunctions. To identify the triggers and sensors held in the system's memory, use the following procedure:

1. Remotely arm and disarm while pressing and holding the unmarked button on the PlainView 2 switch.
2. The LED will flash 1-10 times to indicate the most recently activated point, pause, flash 1-10 times to indicate the second most recently activated point, and so on.
3. Write down the number of flashes between pauses and refer to the chart on the previous page.


## **AutoLock and AutoUnLock**

*Please note: The AutoLock and AutoUnLock features are not available on some vehicles, such as Volkswagen and Audi.*

For your safety and that of your passengers, the doors automatically lock after you begin driving (when the engine reaches a predetermined RPM). If you prefer, you may set AutoLock to lock the doors the instant you turn on the ignition (see *User-selectable features* on pages 21-22). When you turn the ignition off, AutoUnLock automatically unlocks the doors.

To suit your preferences, you may turn on or off **either or both** the AutoLock and/or AutoUnLock features. If you have the optional DataPort connector and CliffNet Wizard software you can even adjust whether the doors lock at a higher or lower engine speed (see Optional CliffNet Wizard on page 19).

## **Smart boot release option**

If the optional remote boot release feature was installed, you may use button 2 (master remote control) or button  (companion remote control) to remotely release the boot latch.

Your system has a built-in electronic interlock to prevent unintentional activation of the remote boot release when you drive, or when the system is armed. This interlock requires installer programming, so if you have the remote boot release option, you may want to verify that it will *not* activate when the system is armed.

## **SmartPowerUp™ 2**

If power to the system is ever removed, SmartPowerUp 2 ensures that your Concept 600 system automatically restores itself to its previous state when power is restored. So if a thief disconnects the power and then restores it in an attempt to start the car, the system will re-arm and instantly sound the siren whilst immobilising the vehicle. If your vehicle is to be serviced, just put it in valet mode. If your mechanic must interrupt power, the system will automatically return to its valet mode state when power is restored; there will be no alarm activation.

## **Optional CliffNet Wizard™ & DataPort**

If you opted to have the Clifford DataPort interface connector installed with your Concept 600 system, you can use our CliffNet Wizard software to access your system through your PC (Microsoft Windows™ required). Doing so provides a wealth of benefits:

- **Point-and-Click Feature Programming** — Programming the system's many user-selectable features is easy with the PlainView 2 Switch. But setting and selecting these features via the optional CliffNet Wizard is a true joy. The intuitive graphical user interface of CliffNet Wizard will actually show you, on your PC screen, the on/off and other settings of each user-programmable feature. You can change programmable settings simply by mouse-clicking the graphical button for each feature. Now you can customise features, add or delete remote controls, change remote control button assignments, set timers, adjust the RPM level at which the vehicle doors AutoLock (something not possible via the standard PlainView 2 Switch programming), view a chronological history of trigger and sensor activations, and much more whilst actually having fun!
- **SecureAccess™** — What if a clever thief were to try using his laptop to control your Concept 600 system? We know that could happen. That's why we doubly protect access to your system. In order to "connect" with the control unit, the system must first be disarmed with your remote control and your secret valet/disarming code must be entered.


If you are interested in learning more about these software capabilities and feature enhancements to your Concept 600, you'll find extensive details at our Internet website at [www.clifford.com/wizard](http://www.clifford.com/wizard).

If you already have this option, please refer to the CliffNet Wizard manual and/or online help for specific operating instructions (you may also download any enhancements or revisions to CliffNet Wizard from our website at [www.clifford.com/wizard](http://www.clifford.com/wizard)).

## **Timer options**




The system's built-in electronic timer can be optionally wired to provide remote controlled timed headlight activation or one of several other custom functions. Ask your Authorised Clifford Dealer for further details.

### **Remote controlled timed headlight activation option**

Your Concept 600 system's built-in electronic timer can be wired through an optional relay to provide remote controlled timed headlight activation for any duration you wish between 1 second and 4 minutes. This handy feature allows you to remotely light your way to and from the vehicle by pressing the LevelShift button once, then button 3 (master remote control) or button  (companion remote control).

## **Smart Self-Powered Medallion Siren with Digital ComLink**

This siren has its own built-in back-up battery, so even if a thief cuts all the wires, the siren will continue to wail. Furthermore, this unique Clifford-designed and manufactured siren has all these important additional enhancements:

- **Unbreachable Digital ComLink:** Clifford's ingenious serial communications link ensures that — if the system fuse is pulled, or if power to the system is interrupted, or if any siren wire is tampered with whilst the system is armed — the siren will instantly activate for five minutes. However, if the system is disarmed and power is interrupted for *authorised* servicing, the siren remains silent. This eliminates the need for a special separate shutoff key common to other battery-backed sirens. This ingenious Clifford feature guards against any possibility of a thief tampering with your system siren.
- **Smart-charging:** Other battery-backed sirens continually draw charging current from your vehicle's battery. In time, this can drain the car's battery. Clifford's Smart Self-Powered Medallion Siren only draws charging current whilst the vehicle's ignition is on, i.e., whilst you're driving. This prevents battery drain.
- **Automatic low battery warning:** If at any time the siren's back-up battery voltage is very low, the usual arm and disarm chirps will be automatically muted to alert you of the problem. Once the back-up battery is properly charged, the chirps will automatically be restored.
- **Remote siren silencing:** If the system is triggered by a non-threatening event, you can silence the siren without having to remotely disarm and then re-arm. Simply press button 1 (master remote control) or button  (companion remote control) whilst the siren is sounding. You'll hear two chirps (the usual armed indication) to confirm the system has remained armed. If, however, you press this button whilst the siren is sounding and either the vehicle's ignition is on or the bonnet, boot or a door is open, you will instead hear 4 chirps to indicate that this may indeed be a genuine theft attempt.
- **User-selectable chirp volume:** As shipped from the factory, your system issues QuietChirp™ acknowledgments. If you prefer, you may select full-volume LoudChirp™ acknowledgments. See the *User-selectable features* section on pages 21-22.
- **Long-term chirp silencing:** Whenever you wish, you may silence the arm and disarm chirps until you decide to restore them. Indicator light flashes continue to provide visual confirmation of remote arming and disarming. See *User-selectable features* on pages 21-22.
- **Remote controlled chirp muting:** Remote chirp muting capabilities are especially valuable when parking late at night in a quiet residential area or at any other time when you want to arm or disarm silently. To arm or disarm silently, simply press button 3 (master remote control) or simultaneously press buttons  and  (companion remote control) instead of the usual arming/disarming button.
- **Patented automatic noise abatement:** The siren electronics limit alarm sounding to five 30-second siren duration cycles even if a door is left open in the wake of an intrusion. This ensures against car battery drain or vehicle towing due to noise pollution ordinances. Your Concept 600 will then automatically reset itself to monitor all other triggers and sensor inputs to *continue* to provide the utmost possible protection.

## User-selectable features

Concept 600 lets you set many of its features to your own preferences. Once you've changed a few settings, you'll find that programming Concept 600 is so easy you can even do it whilst driving! The system features are preprogrammed as noted by the **bold** type in the *Table of user-selectable features* on page 22. To change any of the settings, use the steps noted below. To restore the feature to its factory setting, just repeat the procedure.

**NOTE: For even greater programming ease and even more system control, consider the CliffNet Wizard option noted on page 19.**

### How to change a user-selectable feature:

Briefly, here's how it will work:

- You will pick a feature from the Table on page 22, noting the feature's column and row numbers.
- You'll enter program mode by entering your valet/disarming code (see pages 4-5) and pressing the ★ button of the PlainView 2 switch until you hear a chirp.
- Next you'll press the unmarked button a number of times identical to the column number, then the ★ button a number of times equal to the row number.

*That's all there is to it!* After you enter the feature's column and row numbers, you'll hear either **one chirp** to indicate that the feature has been **turned off**, or **two chirps** if **turned on**.

### Step-by-step programming instructions

1. Refer to the *Table of user-selectable features* on page 22 and make note of the column (across) number and the row (down) number of the feature(s) you wish to program.
2. Turn the ignition on, or start the engine (skip this step if the engine is running).
3. Enter your valet/disarming code (see pages 4-5), then press and hold the ★ button of the PlainView 2 switch for about 3 seconds until you hear a siren chirp. Release the button. You are now in the "Feature Select" position.
4. *Select the feature column:* Press and release the unmarked button of the PlainView 2 switch the same number of times as the column number. 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:* Press and release the ★ button the same number of times as the feature's row number. You'll will hear a chirp each time you press.

**NOTE: You have 5 seconds to enter the row number after selecting the column number. If you wait too long, the system jumps back to the "Feature Select" position (this is indicated with 3 chirps). If you wait another 60 seconds, the system will exit program mode.**


6. **Pause.** You will hear either one or two chirps: **Two chirps = ON, one chirp = OFF** (If there is a **NOTE** for the selected feature, perform the actions noted).

**Some features, such as Chirps (column 2, row 1) have multiple settings. Reselect the feature additional times to progress through each setting.**

7. You may now **select another feature or exit program mode:**
  - a. To select another feature in that same column, repeat step 5 within the next 5 seconds (after 5 seconds, 3 chirps mean you are back to 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). If driving, just wait 60 seconds for automatic exiting of program mode.

**If you make an error, just turn off the ignition and start again.**

**Table of User-Selectable Features**

Feature Select	1 unmarked press	2 unmarked presses	3 unmarked presses	4 unmarked presses
1 ★ press	Add a <b>master</b> remote <b>NOTE 1</b>	Chirps: off/loud/quiet (1/2/3 chirps)	AutoArming: off/on	<b>NOTE 4</b> — Add a <b>companion</b> remote: arm/disarm (1 then 2 chirps)
2 ★ presses	NOT USED	NOT USED	Lock upon AutoArming: off/on	<b>NOTE 5</b> — Add a <b>companion</b> remote: boot release* (2 chirps)
3 ★ presses	NOT USED	Remote valet mode via channel 9 and buttons  and ★: off/on	NOT USED	<b>NOTE 5</b> — Add a <b>companion</b> remote: silent arm and disarm (3 chirps)
4 ★ presses	NOT USED	AutoStart**: both off/both on/temp only/battery only (1/2/3/4 chirps)	FACT: off/on	<b>NOTE 5</b> — Add a <b>companion</b> remote: remote engine starting* (4 chirps)
5 ★ presses	AutoLock: off/instant/RPM- dependent (1/2/3 chirps)	BlackJax anti-carjacking: off/on	NOT USED	<b>NOTE 5</b> — Add a <b>companion</b> remote: timed headlight activation** (5 chirps)
6 ★ presses	AutoUnlock: off/on	Clear all remotes <b>NOTE 2</b>	NOT USED	<b>NOTE 5</b> — Add a <b>companion</b> remote: window rolldown/venting* (6 chirps)
7 ★ presses	Reset all features (except remotes and valet code) to factory settings	Set a new secret valet/disarming code <b>NOTE 3</b>	NOT USED	<b>NOTE 5</b> — Add a <b>companion</b> remote: remote valet mode (7 chirps)

\* Requires an optional accessory: ask your Authorised Clifford Dealer about this feature.

\*\* Requires the optional Clifford IntelliStart 4 accessory not evaluated by Thatcham

**NOTE 1:** Press button 1 of the new **MASTER** 16-channel remote control. You will hear one chirp. Press button 1 again. You'll hear two chirps to confirm the new remote control has been added.

**NOTE 2:** You'll hear two chirps to indicate all remotes have been cleared from memory. You must now add new/existing remotes with the "Add a new **master** remote" feature and/or the "Add a **companion** remote" feature.

**NOTE 3:** Immediately press the unmarked button, enter your new code, **wait for the two chirps**, then turn off the ignition (you'll hear 3 chirps to confirm program mode exit). You **MUST** now turn the ignition back on and then re-enter your new code. If the LED flashes on, your new code has been accepted. If the LED does not light, the two codes did not match and the system has reverted to your previous code.

**NOTE 4:** This allows you to arm/disarm your system with a new **companion** remote or any remote control of a Concept 100, 300, 400 or 600 system on your other vehicle(s). For instance, to set channel 13 of the other car's master remote to arm/disarm your Concept 600, select column 4, row 1, then transmit channel 13 (you'll hear one chirp). Immediately reselect channel 13 on the remote and transmit it a second time (you will hear a 2-chirp confirmation). Channel 13 of the other car's remote will now arm/disarm your Concept 600.

**NOTE 5:** The features in this column allow you to control your Concept 600 with a new **companion** remote or any remote control of a Concept 100, 300, 400 or 600 system on your other vehicle(s). Just select the function you wish, then transmit the unused channel on the other remote that you want to use to perform that function (you'll hear the chirps noted). **NOTE:** You must first set a channel on the remote that will arm/disarm the system (column 4, row 1) before these others will be accepted.

**EXAMPLE: Select LoudChirps, turn off Remote Valet Mode and turn on Lock upon AutoArming:**

In the following example, we will change the settings of three different features in just one programming session. Here's all you have to do:

1. **Enter program mode** as previously noted (ignition on, enter your valet/disarming code, press and hold the ★ button on the PlainView 2 switch until you hear a chirp).
2. Since the *Chirps* feature selection is in column 2, row 1 of the Table, go to column 2 by pressing the unmarked button on the PlainView 2 switch twice. Wait for the 2-chirp/column 2 confirmation. Then press the ★ button once (you'll hear a chirp each time you press the ★ button to confirm the row selection). After a brief pause, you'll hear 2 chirps to confirm that *LoudChirps* have been selected.
3. Since *Remote Valet Mode* is also in column 2, there is no need to reselect column 2. Therefore, you can go straight away to the row selection. Select row 3 by pressing the ★ button three times. After a brief pause, you'll hear one chirp to confirm that *Remote Valet Mode* is now off.
4. Note that the *Lock upon AutoArming* feature is at column 3, row 2. To change to column 3, press the unmarked button three times, then wait for the 3-chirp/column 3 confirmation. Press the ★ button twice to select row 2. After a brief pause, you'll hear 2 chirps to confirm that the *Lock upon AutoArming* feature is now turned on.
5. To exit the program mode, turn the **ignition off**. You'll hear 3 chirps to confirm program mode exit.

### **Reset All Features**

If you wish to reset all the user-selectable features to their normal factory presets, use the *Reset all features* selection (column 1, row 7). All features — except the programmed remote controls and your valet/disarming code — will be reset to the factory settings that are indicated in **BOLD** type on the *Table of User-Selectable Features*. To reset all remote controls, use the *Clear all remotes* feature in column 2, row 6. To reset your valet/disarming code, use the *Set a new secret valet/disarming code* feature in column 2, row 7.

***Lifetime limited factory warranty terms & conditions***

Clifford vehicle security systems and accessories require professional installation by an Authorised Clifford Dealer. Unless the system is sold and installed by an Authorised Clifford Dealer, all product warranties and guarantees are void. As the manufacturer, Clifford Electronics warrants to the original consumer purchaser, the system control unit and remote controls to be free from defects in material and workmanship for as long as you own the vehicle in which the system was originally installed. All other parts of the system and accessories to the system are warranted to be free from defects in material and workmanship for one (1) year from the date of purchase. Clifford Electronics will repair or replace, at its option and free of charge during the warranty period, any system component that proves defective in material or workmanship under normal installation, use, and service, provided the product is returned to our factory by an Authorised Clifford Dealer, transportation charges prepaid. Products returned to our factory must be accompanied by a photocopy of the purchase receipt. In the absence of such purchase receipt, the warranty period shall be one (1) year from the date of manufacture. Any damage to the product(s) as a result of misuse, abuse, neglect, accident, incorrect wiring, improper installation, destruction or alteration of the serial number, repair or alteration outside our factory, or any use violative of instructions furnished by us will void the warranty. This warranty is limited to defective parts and specifically excludes any incidental or consequential damages connected therewith. This warranty is not transferable. Clifford Electronics makes no warranty against theft. This warranty is not to be construed as an insurance policy against loss. Warranty on installation labor, removal and reinstallation charges are not the responsibility of Clifford Electronics, Inc.

***Up-to-£500 theft protection guarantee terms & conditions***

In the event that your automobile is stolen and not recovered within 30 days, Clifford Electronics will refund to you, the original purchaser of the Clifford system, the first amount up to £500 of the theft claim not covered by the theft excess provision of your vehicle insurance. This guarantee applies only to the owner of the vehicle in which the Clifford system was originally installed and that you were the owner of this same vehicle when it was stolen. This guarantee is valid only in the United Kingdom and only if:

- (1) Installation of the Clifford vehicle security product was performed by an Authorised Clifford dealer.
- (2) Clifford Electronics window stickers are adhered to both the driver's-side and curb-side windows and are clearly visible on both sides from outside the vehicle.
- (3) At the time of the theft, the Clifford system was fully functional, armed and not in "valet mode."
- (4) Your insurance company and the police have been notified and a crime reference number was issued by the police.
- (5) No less than thirty (30) days **after** the crime reference number was issued, you mail to Clifford Electronics at the address below clear photocopies of the following documents:
  - I. The crime reference number and location of the police station where the crime was reported.
  - II. A dated declaration signed by you, the owner of the vehicle, attesting that the vehicle has been stolen for more than thirty (30) days and has not been recovered.
  - III. A photocopy of the cheque you received from your insurance company as payment for the loss of your vehicle.
  - IV. A photocopy of your insurance policy clearly showing your name and the theft excess provision.

This guarantee is effective for 6 months from the date of purchase as indicated by your purchase receipt (or 12 months if you complete the online registration process at [www.clifford.com/register](http://www.clifford.com/register) within 10 days of purchase), is limited to one claim and is valid only when the entire vehicle was stolen and not recovered. This guarantee is not transferable and specifically excludes any other consideration, including, but not limited to, damage caused to the vehicle, theft of parts or contents, or any consequential damages. Once Clifford Electronics verifies the above listed requirements have been met, a payment will be made to you in accordance with the above stated provisions.

***BONUS IF YOU REGISTER ONLINE: Within 10 days of purchase, register your Clifford purchase online at [www.clifford.com/register](http://www.clifford.com/register) and, as a bonus for doing so, Clifford Electronics will double the duration of your system's theft protection guarantee from 6 months to 12 months. If you do not have direct access to the Internet, you can always get to our [www.clifford.com/register](http://www.clifford.com/register) website address through a friend or relative who can access the Internet or through most libraries, educational institutions, etc. Thank you for choosing Clifford Electronics: World-Class Auto Security for your vehicle security needs!***



**European models only: This form must be completed by your Authorised Clifford Dealer**

**CLIFFORD**  
*The science of Security™*

# Installation Certificate

I, the undersigned professional installer, certify that the installation of the vehicle alarm system described below has been carried out by myself pursuant to the mounting instructions supplied by the manufacturer of the system.

Description of the vehicle
Make: _____
Type: _____
Serial number: _____
Registration number: _____

Description of the vehicle alarm system
Make: <u>Concept 600</u> _____
Type: <u>Vehicle alarm system</u> _____
Serial number: _____
Approval number: _____

Done at: \_\_\_\_\_ On: \_\_\_\_\_  
*Installer's full address (and stamp, if appropriate)*

Signature: \_\_\_\_\_ Job position: \_\_\_\_\_



.....

**This form MUST be completed by your Authorised Clifford Dealer**  
**Wireless FuelGuard Location**

**ATTENTION Authorised Clifford Dealer:** Using the three diagrams below, mark with an X the location of the Wireless FuelGuard Module in this vehicle. .

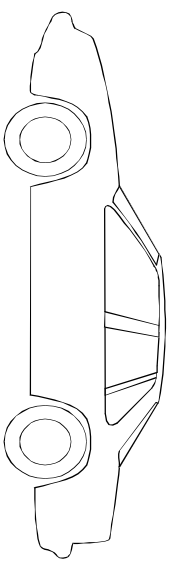
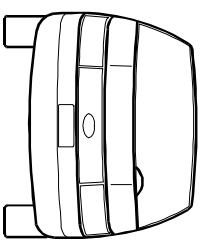
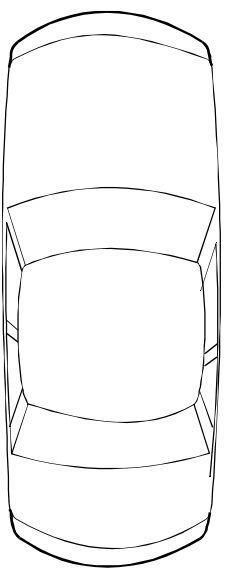
**WARNING: Do not keep this document in your vehicle.**  
This document will be the only way to locate the Wireless FuelGuard in the future.

\_\_\_\_\_  
Vehicle owner's name

\_\_\_\_\_  
System Make and Model

\_\_\_\_\_  
License plate number or VIN

\_\_\_\_\_  
Date of installation



**ATTENTION Authorised Clifford Dealer: Make a photocopy of this completed form for your records for future servicing requirements**

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- **PLEASE NOTE:** Your factory-set 4-digit valet code is noted below. See pages 4-5 for information on using your valet code:

**WARNING:** For security reasons, do not keep this manual in your vehicle (since a thief could possibly access it and see your secret valet code). Please keep this manual in a safe place in your home.

Making changes to the existing security system will invalidate the certificate of installation.

Should any fault with the security system occur, please contact your installing Clifford agent as soon as is convenient.

Paste serial number sticker here

Your serial number is:

# CLIFFORD

*The Science of Security™*

Boundary Business Court ❖ 92/94 Church Road  
Mitcham, Surrey CR4 3TD ❖ 0800 929949 or 0181 646 8440

All Concept Series systems are covered by  
one or more of the following Clifford Electronics USA 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; 5,467,070; 5,650,744  
and other patents pending.