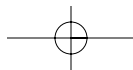
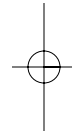
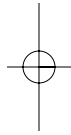


Concept 650MkII

Owner's Guide



limited lifetime consumer warranty

Directed Electronics ("Directed") promises to the original purchaser to repair or replace with a comparable reconditioned model any Directed unit (hereafter the "unit"), excluding without limitation the siren, the remote transmitters, the associated sensors and accessories, which proves to be defective in workmanship or material under reasonable use during the lifetime of the vehicle provided the following conditions are met: the unit was professionally installed and serviced by an authorised Directed dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorised Directed dealer; and the unit is returned to Directed, shipping prepaid with a legible copy of the bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number and address; the authorised dealers name, telephone number and address; complete product description, including accessories; the year, make and model of the vehicle; vehicle registration number and vehicle identification number. All components other than the unit, including without limitation the siren, the remote transmitters and the associated sensors and accessories, carry a one-year warranty from the date of purchase of the same. This warranty is non-transferable and is automatically void if: the unit's date code or serial number is defaced, missing or altered; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service, installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by installation or removal of the unit. Directed, in its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage. TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED; AND DIRECTED NEITHER ASSUMES NOR AUTHORISES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORISED DEALERS OR INSTALLERS. DIRECTED SECURITY SYSTEMS, INCLUDING THIS UNIT, ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE AUTOMOBILE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY FOR THEFT, DAMAGE AND/OR VANDALISM. THIS WARRANTY DOES NOT COVER LABOUR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED OR ITS SUBSIDIARY, THE PROPER VENUE SHALL BE SAN DIEGO COUNTY IN THE STATE OF CALIFORNIA. CALIFORNIA STATE LAWS AND APPLICABLE FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED SHALL BE STRICTLY LIMITED TO THE AUTHORISED DIRECTED DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, THE MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR

THE CONTROL MODULE AS DESCRIBED ABOVE. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights and you may also have other rights that vary from State to State or Country to Country.

Make sure you have all of the following information from your dealer:

A clear copy of the sales receipt and installation certificate, showing the following:

- Date of purchase
- Your full name and address
- Authorised dealer's company name and address
- Type of alarm installed
- Year, make, model and colour of the vehicle
- Vehicle registration number
- Vehicle identification number
- All security options installed on the vehicle

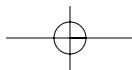
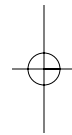
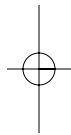
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what is included

- Concept 650MkII Security System
- Two 5-button transmitters
- Presentation envelope and quick reference card
- Two window decals
- XHF antenna/receiver
- Blue status LED
- PlainView 2 Valet switch
- 515U Smart Self-powered siren
- One of the following sensor options
 - Digital Dual-Zone Proximity Sensor
 - Ultrasonic Sensor
 - Glass Tamper Sensor & Tilt Sensor

important information

Congratulations on the purchase of your Concept 650MkII state-of-the-art Thatcham evaluated vehicle security system. It has been designed to provide years of trouble-free operation. In order to maximise the use of this system, please review this owner's guide carefully prior to using your system. You can print additional or replacement copies of this owner's guide by accessing the Clifford website at www.clifford.com.

note: Your system *MUST* be installed by an Authorised dealer in accordance with the instructions we supply them. The Clifford Concept 650MkII system is designed to be installed in any petrol or common rail diesel vehicle with a 12-volt battery.

note: The Installation Certificate must be completed by your installer at the authorised dealer. Other than the remote controls, this system has no user-serviceable parts. Your authorised dealer can correct any system wiring problems and, if needed, can return any malfunctioning component to Directed Electronics for repair/replacement under the terms of the Limited Lifetime Warranty printed at the beginning of this guide.

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

system maintenance

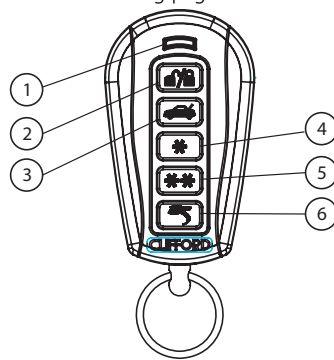
The Concept 650^{MkII} requires no specific maintenance. Your transmitter is powered by two miniature 3V lithium batteries that will last approximately one year under normal use. When the battery weakens, operating range will be reduced and the system will provide a low battery warning chirp indication when disarming.

your warranty

It is necessary to retain your sales receipt, which reflects that the product was installed by an authorised dealer. For full details regarding your warranty coverage, please refer to the consumer warranty section of this guide.

transmitter configurations

Your Concept 650^{MkII} system has two 5-button remote controls. Your system can accept up to 2 additional remotes. Each remote can be used to control the various standard features and options of your system as shown in the following pages.



note: This manual describes the features and accessories that are included with your system along with information about compatible Clifford accessories that are not included. For a list of included accessories, please refer to the What Is Included section of this manual.

- | | |
|----|--------------------------|
| 1. | LED Indicator |
| 2. | Arm/Disarm Button |
| 3. | Boot Release Button |
| 4. | Remote Start Button |
| 5. | Silent Arm/Disarm Button |
| 6. | Clifford G5 Button |

transmitter functions

This system uses computer-based code learning to learn the transmitter buttons. This makes it possible to assign any transmitter button to any system function. The transmitter initially comes programmed with standard configuration, but may also be customised using the CliffNet Wizard PC program. The buttons described in this manual correspond to a standard configuration transmitter.


standard configuration

 Button

The arming and disarming functions are controlled by this button.

 Button



The boot release or accessory output A is controlled by this button.

 Button



This button is used to control remote start on the optional Intellisart module.

 Button



Silent arm and disarm is controlled by this button.

 Button, then  Button



Accessory B output is controlled by these buttons.

 Button, then  Button



These buttons activate SmartWindows.

 Button, then  Button



Accessory C output is controlled by these buttons.

 Button twice, then  Button

These buttons activate/deactivate remote valet.

 Button twice, then  Button

These buttons disable the sensors.


 Button twice, then  Button

These buttons enter safe start mode for manual transmission vehicles and activate Autostart mode.

using your system

The buttons used in the instructions in this manual correspond to the standard transmitter configuration. If your transmitter has been custom configured, the icons on your transmitter buttons may not correspond to the indicated functions.

arming

You can activate, or arm, the system by pressing  on your transmitter for one second. When the system arms, you will hear two short siren sounds, or chirps, and see the indicator lights flash twice. The LED will begin to flash steadily. If the vehicle's existing central locking has been connected to the system, the doors will lock.

While the system is armed, the LED status indicator will flash approximately once per second showing that the system is actively protecting your vehicle. If you hear more than two chirps when arming, refer to the *Diagnostics* section of this guide. These extra chirps confirm a malfunction autobypass.

The security system also can be programmed to arm itself automatically (called passive arming). If the system is programmed for passive arming, it will automatically arm 30 seconds after the ignition is turned off and the system sees you leave the vehicle by opening and closing a door. Whenever the system is in its 30-second passive-arming countdown the siren will chirp twice and the lights will flash twice five seconds after the last door has been closed. The system is not actually armed at that point. The system arms and the doors lock (if connected and programmed for passive locking) at 30 seconds, but the siren will


not chirp. The early chirps provide you with a 25-second warning prior to arming.

note: If any protected entry point (a door or a switch-protected boot or bonnet) is open, the system will not passively arm. Additionally, each time a protected entry is triggered during the arming countdown, the 30-second countdown starts from the beginning.

When armed, your vehicle is protected as follows:

- The LED will flash as a visible theft deterrent.
- The Ultrasecure Immobilisation circuits prevent the vehicle from being started.
- Installed sensors if tripped will trigger the system. The triggered sequence is 30 seconds of constant siren sounding and flashing indicator lights.
- If a protected entry (door, boot, or bonnet) is opened, the system will immediately trigger the siren and flash the indicator lights.





disarming

To disarm the system, press . You will hear a chirp and the indicator lights will flash once. If the vehicles central locking is connected to the system, the doors will unlock. If the siren chirps three times when disarming, refer to the *Diagnostics* section of this guide. This is called Tamper Alert. If the siren is sounding when the system is disarmed you will hear two chirps but the system is not disarmed. (Refer to the *Remote Siren Silencing* section of this guide.) However, if the alarm completes the full trigger cycle when disarmed you will hear three chirps.



disarming without a transmitter

This feature allows you to disarm the system without the transmitter should it be lost, damaged, or disabled. In order to disarm without a transmitter, you must have the vehicle's ignition key, know where the PlainView 2 Valet switch is located, and have the PIN code. Be sure to check with the installer for the location of the PlainView 2 Valet switch. Please refer to the Disarm/Valet Mode section of this guide for instructions to enter the pin code.



remote siren silencing





This system offers remote siren silencing. Remote siren silencing is a feature that makes it possible to silence and reset the system when it is triggering without disarming the system. If the system is triggered and the siren has been sounding, press   on the transmitter to stop the trigger and return the unit to the armed state. The system will not disarm, but rather reset. This prevents you from disabling the system should you wish to silence it without visually checking the vehicle. After resetting the system, press   again to disarm the system.

transmitter chirp muting

To arm or disarm your system without siren chirps, simply press   on the transmitter, and the confirmation chirp(s) will be eliminated for that one operation only. The indicator lights will flash to confirm the arm/disarm command. If you want the arm/disarm chirps turned off permanently, please refer to the *User-Selectable Features* section of this guide.

transmitter sensor disable

To temporarily disable a sensor input, arm the system, press  twice and then . The lights will flash four times and all warn away trigger zones one, two, three, and eight are bypassed. Press the buttons again; the lights flash four times and both warn away and full trigger zones one, two, three, and eight are bypassed until the system is disarmed. This can be performed anytime the system is armed.

1. Arm the system.
2. Press  twice and then .
3. The lights will flash four times; all warn away zones are now bypassed.
4. Transmit the sensor bypass channel again. (Press  twice and then .)
5. The lights will flash four more times; the sensor warn away and full trigger zones are now bypassed.
6. The sensor zones will reset when disarmed.

intellistart and smartwindows sensor bypass

When the system sees a command to start the vehicle via the Intellistart, it bypasses sensor zones and will continue to bypass these zones until the remote start shuts down.

When the system sees a SmartWindows command for up or down operation, the unit will automatically bypass sensor zones one, two, three, and eight until the windows complete their operation.

auxiliary channel bypass

Alarm sensor input zones one, two, three, and eight will be bypassed while a pulsed or timed auxiliary Output is active.

disarm/valet mode

Entering your pin code using the PlainView 2 Valet switch allows you to disarm the system or enter valet mode without using the transmitter. In valet mode, the security system will not arm, even with the transmitter, but all convenience functions (door locks, boot release, etc.) will continue to work normally.

To disarm or enter Valet Mode:





1. Turn the ignition on.
2. Enter PIN code (the factory setting is written on the back of this manual). Your pin code has 4 digits. 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 simple press and release the unmarked button.

EXAMPLE: To enter a code of 1203, you would press and release the plainview switch as follows:

* - ■, * - * - ■, ■, * - * - * - ■



3. After the last digit of the pin code is entered:
 - a. To disarm the system: press and release .
 - b. To enter valet mode: Press and hold  for three seconds.

The LED status indicator will illuminate continuously if you are entering Valet Mode and will turn off if you are exiting Valet Mode.



To exit Valet Mode:



1. Turn the ignition on. The system will then automatically exit Valet mode.

transmitter valet mode

The operations described in this section refer to transmitter buttons. Remember, the buttons used in all the instructions in this guide correspond to a Standard Configuration transmitter. This may not be how your transmitter is set up.

To enter Valet Mode, press  twice and then . The LED status indicator will illuminate continuously if you are entering Valet Mode, or will turn off if you are exiting Valet Mode.

one-time auto-arming bypass

This will bypass the auto arm feature once only.

1. With the key, turn the ignition on, then off within two seconds.
2. The siren will chirp once to confirm auto arming bypass.
3. The system will not auto arm.

note: The system will revert to normal auto arming when the system sees the ignition on for at least three seconds.

During auto arming bypass the system will not roll up the windows if SmartWindows is connected, and the accessory output will not auto-activate when using the remote to arm the system.

low battery warning



When the transmitter battery is low, the siren will generate a low-pitched tone when the alarm is disarmed.

automatic noise abatement

Alarm sounding is limited to ten 30-second siren duration cycles to meet European criteria and local noise pollution laws.

multiple event total recall

This will report the last eight system triggers.

1. Press and hold  of the PlainView 2 Valet switch.
2. While still holding , arm and disarm the system, then release the button.
3. The LED will start to blink to indicate the most recent trigger and proceed down to the eighth trigger. If fewer than eight triggers are stored in memory, the LED will flash continuously until the system is armed/disarmed using the transmitter or the ignition is turned on. For more information, please refer to the *Table of Zones* section of this guide.

diagnostics

The microprocessor at the heart of your security system is constantly monitoring all of the switches and sensors that are connected to it. It detects any faulty switches and sensors and prevents them from disabling the entire system. The microprocessor will also record and report any triggers that occurred during your absence.

arming diagnostics

If the system is armed while an input is active (door open, sensor triggering, etc.) the unit will chirp twice when arming and then four more times five seconds later. This is called Bypass Notification.

The security system will ignore the input that was active when the system was armed, until the input goes away. Three seconds later the system will monitor that input normally. For example, if your vehicle has the boot open, and you arm the system, you will hear Bypass Notification chirps. Once you shut the boot, however, it is then monitored normally.

disarming diagnostics

Extra disarm chirps are the Tamper Alert warning. If you hear three chirps when disarming, the system was triggered in your absence. If three chirps are heard, the LED status indicator will indicate which zone was triggered when you turn the ignition on (see the *Table of Zones* section). The system will retain this information in its memory. Refer to the *Multiple Event Total Recall* section of this guide.

arm/disarm diagnostic chart

Action	Chirps	Light Flashes	Description
Arm	2	2	System armed
Arm	4	4	System armed with boot or bonnet active and bypassed (zones 5 and 6)
Arm	2 (5 sec.) 4	2 (5 sec.) 4	System armed with door active and bypassed (zone 4)
Arm	2 (10 sec.) 4	2 (10 sec.) 4	System armed with sensor active and bypassed zones (1, 2, 3, and 8)
Disarm	3	3	System disarmed with tamper alert
Disarm	1	1	System disarmed
Disarm	1 (low pitch)	1	System disarmed with transmitter low battery warning

table of zones

The zone number is the number of LED flashes used by the system to identify a specific input. The standard input assignments are listed below, along with spaces to write in any optional sensors or switches you have had installed. If the Warning Zone response is triggered, the LED will not report it.

Zone - Number of LED Flashes	Description	Dealer-Installed Options
1	Optional Proximity sensor	
2	Optional Omnisensor	
3	Optional Tilt sensor	
4	Door switch trigger	
5	Instant trigger - boot	
6	Instant trigger - bonnet or closed circuit input	
7	Ignition trigger	
8	Optional Glass Tamper or Ultrasonic sensor	
9	BlackJax* activation	
10	Power interrupt	

anti-code grabbing (ACG)

This unit features Anti-Code Grabbing (ACG) with Random Code Encryption. This means the receiver and transmitters each use a mathematical formula called an algorithm to change their code each time the transmitter is used. This technology has been developed to increase the security of the unit. The control unit knows what the next codes should be.

* This feature is not evaluated by Thatcham

high frequency

Your system transmits and receives at 433 MHz. This provides a cleaner spectrum with less interference and a more stable signal.

smart power up II

This security system will store its current state to non-volatile memory. If power is lost and then reconnected the system will recall the stored state from memory. This means if the unit is in Valet Mode and the battery is disconnected for any reason, such as servicing the car, when the battery is reconnected the unit will still be in Valet Mode. This applies to all states of the system including arm, disarm, and Valet Mode.

power saver mode

Your system will automatically enter Power Saver Mode while armed or in Valet Mode, after a period of time in which no operation has been performed. This lowers the current draw on the vehicle's battery. Power Saver Mode takes over under the following conditions:

- Power Saver when the system is armed: After the system has been armed for 48 hours, the LED will flash at half its normal rate, decreasing the system's current draw.

- Power Saver in Valet Mode: When the system enters Valet Mode the LED illuminates steadily. If the vehicle is not used (ignition is not turned on) for a period of one hour while the system is in Valet Mode, the LED will shut off. If the system remains in Valet Mode, the LED will come back on the next time the ignition is turned on and then back off.

programming options

Programming options control what your system does during normal operation, and require few or no additional parts. However, some may require additional installation labour.

Following is a list of the program settings, with the factory settings in bold:

- **Active** arming (only with the transmitter) or passive arming (automatic arming 30-seconds after the last door is closed).
- Arming/disarming confirmation siren chirps off, on, or **quiet**.
- Auto-Lock off, on or with rpm
ON: The doors will lock three seconds after the ignition is turned on unless a door is open.
RPM: The doors will lock when the engine speed increases.
- Auto-Unlock off or on: With this feature on, the doors will unlock when the ignition is turned off.
- Passive door locking (with passive arming) or **active** door locking (only when arming with the transmitter). Passive locking allows the vehicle's doors to lock when the security system passively arms (after the 30 second countdown). This

feature only works if passive arming has been programmed.

- Reset the system to all factory defaults
- Entry delay feature off or on
- Add or remove remote controls.
- BlackJax* feature off or on.
- Change PIN code.
- Custom configure the remote control.
- Remote valet off or on.
- Autostart** with low battery voltage or cold temperature.

cliffnet wizard installation software programming

Cliffnet Wizard provides access to all available system features and some that are not available when manually programming with the Valet switch. Cliffnet Wizard is compatible with Microsoft Windows 2000/ME/XP/NT so most programming operations can be accomplished by pointing and clicking with a mouse. This eliminates the need for programming grids and lengthy programming sequences. For a complete guide to system programming using the Cliffnet Wizard refer to the Cliffnet Wizard help menu.






* This feature is not evaluated by Thatcham


** Requires optional Intellistart (not evaluated by Thatcham).

manual programming instructions

It is a good idea to document changes by taking note of all feature changes made in programming mode.

To enter the User Selectable Features programming:

1. Ignition on - Turn the ignition to the run position or start the engine.
2. Hold/Chirp/Release - Press and hold  until a chirp is heard and the LED turns on, then release the button. You have now entered the feature selection position of the User Selectable Features grid.
3. Column select - Press  the same number of times as the desired column. After a pause the siren will chirp the same number of times as the selected column for confirmation.
4. Feature select - Press  the same number of times as the desired feature. The siren will chirp with each press. The feature can now be changed using the remote control.
5. Feature change - Press  on the transmitter. If the system chirps once, the feature has just turned off; if the system chirps twice, the feature has just turned on. If the feature has more than two settings, continue pressing  on the transmitter to toggle through the settings.













You can advance to any feature in the same column by pressing  within 60 seconds; to program a feature in a different column begin at step 4 within 60 seconds.

note: Refer to the Feature Descriptions sections of this guide for important notes and descriptions of the system features and programming.

6. Exit programming - To exit programming mode turn the ignition off or wait 60 seconds without pressing the PlainView 2 Valet switch. The siren will chirp three times to indicate pro-

programming mode has been exited.


user selectable features

Then Press \ First Press	1 x 	2 x 	3 x 
1 x 	Add new remote (autolearn) ^{***}	Change PIN code	New remote learn arm/disarm only
2 x 	Auto (passive) arm Off / On	Not used	New remote learn accessory A channel
3 x 	Chirps Off/On/Quiet	Not used	New remote learn accessory B channel
4 x 	Auto lock Off /Ignition/RPM	Remote valet Off/On	New remote learn silent mode
5 x 	Auto unlock Off /Ignition	Entry delay Off/On	New remote learn remote valet
6 x 	Auto (passive) arm and lock Off/On	Reset all features to factory (except remotes and PIN code)	New remote learn remote start*
7 x 	Not used	Not used	New remote learn window down/vent**
8 x 	Second unlock Off/On	Autostart setting* (off/battery only/ temp only/ battery and temp)	New remote learn accessory C channel
9 x 	Not used	BlackJax Off/On	Clear all remotes

- * This feature is only available with optional IntelliStart connected.
- ** This feature is only available with optional SmartWindows connected.
- *** 5-button remote only. To program 4-button remote use New remote learn in column 3.
- **** This feature is not evaluated by Thatcham.

user selectable features descriptions - column one

add new remote (auto learn)

Auto-learn new five-button remote controls to the system in the standard button configuration. Once you have entered the feature, press  on the transmitter until you hear a confirmation chirp. Press again until you hear two chirps indicating the new remote is learned.

auto (passive) arm - on/off

- Off: The transmitter must be used to arm the system.
- On: When the system sees the ignition turn off and the last protected entry (door, bonnet, or boot) close, it will begin a 30-second countdown before arming itself. After the first five seconds, you will hear two chirps and the lights will flash. The system will arm 25 seconds later.

chirps - on/off/quiet

- Off: Chirps will not sound when arming/disarming the system.
- On: Chirps will sound when arming/disarming the system.
- Quiet: Chirps will sound when arming/disarming the system but at a lower volume than normal.

auto lock - ignition/off/rpm

- Off: The doors will not lock automatically.
- Ignition: The doors will automatically lock three seconds after the ignition is turned on unless a door is open at that time.
- Rpm: The doors will lock when the system sees the engine reach a preprogrammed RPM.

auto unlock - ignition/off

- Off: The doors will not automatically unlock when the ignition is turned off
- Ignition: The doors will automatically unlock as soon as the ignition is turned off.

auto (passive) arm and lock - on/off

- Off: The doors will not lock when the system passively arms.
- On: The doors will lock when the system passively arms. This feature only applies when passive arming is programmed on.

second unlock - on/off

- Off: Second unlock output is pulsed at the same time as the unlock output when the system is disarmed.
- On: Second unlock output is active when the arm/disarm button is pressed within 10 seconds of disarming the system.

note: The second unlock feature can be installed by your dealer in most vehicles. Please note that extra parts and labour may be required.

user selectable features descriptions - column two

change PIN code

This feature allows you to change your personal PIN code. For more information, please refer to the *PIN Programming* section of this guide.

remote valet on/off

- On: The alarm can be put into valet mode with the remote control.
- Off: The alarm can not be put into valet mode with the remote control.

entry delay on/off

- On: If the system has passively armed, it will not trigger for 15 seconds after a door is opened allowing the user to enter the vehicle and disarm the system via the PlainView 2 Valet switch.
- Off: There is no entry delay when armed. The system will trigger instantly when a door is opened.

reset all features to factory settings

- All system settings (except PIN and remote programming) in the User Programming grid will be reset to their default factory setting as indicated in bold lettering.
- Press the arm/disarm button of the TX; the siren will chirp twice as confirmation.

auto start setting - off/battery only/temp only/battery and temp

- This feature is only available with the IntelliStart* option.
- Off: The vehicle will not autostart.
- Battery: The vehicle will only autostart when the car battery voltage has dropped to a preset level.
- Temperature: The vehicle will only autostart at a preset low temperature.
- Battery and temperature: The vehicle will autostart with a low voltage car battery or low temperature.

note: Temperature and battery calibration settings can only be made with the Cliffnet Wizard programming software.

* This feature is not evaluated by Thatcham

blackjax* on/off

- On: The system will enter BlackJax mode when triggered.
- Off: The system cannot enter BlackJax mode.

user selectable features descriptions - column three

The features in this column pertain to programming individual transmitter channels in custom configurations. Following is an explanation of the features. The 4-button remote must be programmed using this column as it cannot be autolearned.

arm/disarm only

The remote control channel programmed into this feature will arm/disarm the system only. Once you have entered the feature press the button on the remote that will be used to arm/disarm the system. You will hear 1 siren chirp. Then press the button again. You will hear 2 siren chirps. The remote button will now arm/disarm the system.

note: When programming a new remote control to custom configuration a channel must first be programmed to this feature before programming the remaining channels.

To program the following channels use the instructions above for programming the arm/disarm button except you only need to press the button once.

accessory a output

The transmitter channel programmed into this feature will activate the accessory output.

* This feature is not evaluated by Thatcham

accessory b output

The transmitter channel programmed into this feature will activate the accessory output.

silent mode

The transmitter channel programmed into this feature will arm/disarm the system, but the siren will not chirp.

remote valet

The transmitter channel programmed into this feature will make the system enter/exit valet mode.

remote start

- This feature is only available with IntelliStart connected
- The transmitter channel programmed into this feature will activate or shut down the Intellistart remote start system.

window control

- This feature is only available with SmartWindows connected
- The transmitter channel programmed into this feature will activate the vent or roll down feature of the SmartWindows system.

accessory c output

The transmitter channel programmed into this feature will activate the accessory output.

clear all remotes

- This feature will erase all remote codes from the system memory. This feature is convenient for erasing any transmit-

ters that have been lost, stolen, or incorrectly programmed into the system.







- After entering this feature press any button on the transmitter; the siren will chirp to indicate that all transmitters have been erased from memory.

pin programming






A PIN code can have one to four digits; each digit can be from 0-9.



note: A PIN code cannot begin with a zero.

Programming Procedure

1. Enter the feature location in the user programming grid. Press  twice and  once.
2. Immediately press and release  of the PlainView 2 Valet switch.
3. Select each digit by pressing  1-9 times, and then press  to enter the number into the system. To enter a zero, press  only.


To program a PIN code of 1032:

- a. Press and release  once and  once. You will hear one chirp.
- b. Press and release  once. You will not hear a chirp after programming a zero.
- c. Press and release  three times, and then press  once. You will hear three chirps.

- d. Press and release  two times, and then press  once. You will hear two chirps.
4. Wait for two siren chirps after a five second pause or five seconds after the last digit has been entered if using less than four digit code number.
5. Turn off the ignition; the siren will chirp three times.
6. The programming mode is now exited.

PIN Code Confirmation Procedure

Begin this procedure within 15 seconds of finishing the programming sequence or the new code will not be set.

1. Turn on the ignition.
2. Enter the new PIN code.
3. Press and hold  for three seconds.
 - LED turns on: New PIN code is learned and programming is complete.
 - LED stays off: New PIN code is not learned and the system reverts to the old PIN code. Redo the programming sequence.

ultrasecure auto-immobiliser

The built-in dual circuit immobiliser autoimmobilises (arms automatically), 30 seconds after the ignition has been turned off. (This feature is a Thatcham and EC requirement and, therefore is not programmable.)

auto-immobilisation sequence

1. Turn ignition off or disarm alarm
2. After 30 seconds the systems Immobilisation circuits activate and engage the starter and ignition interrupt
3. LED flashes at $\frac{1}{2}$ normal speed

Disarming auto-immobilisation

To disarm auto-immobilisation when active, follow any of the sequences listed below.

- Turn ignition on and press the arm/disarm button.
- Arm the alarm and then disarm the alarm.
- Turn the ignition on and enter the system valet/PIN code.

one-time valet feature

This feature allows the system to be put in valet mode only until the next time the ignition is turned on. (This feature is a Thatcham and EC requirement and, therefore is not programmable.)

blackjax* feature

Clifford's exclusive BlackJax feature provides a safe and effective means of recovering your vehicle after a carjacking by monitoring the door input, brakes, and engine speed. Simply get out of the vehicle and let the thief drive away.

After the vehicle is at a safe distance BlackJax will activate the siren and brake lights to draw attention to the vehicle. When BlackJax sees the vehicle slow down or stop, the UltraSecure Immobiliser circuit shuts off the engine, stranding the thief and vehicle. At this time your transmitter will not operate the system, only you can turn off the BlackJax by entering your secret PIN through the PlainView 2 valet switch.

blackjax activation sequence

When BlackJax is programmed ON, BlackJax sequence will begin every time the ignition is turned on and must be turned off by entering your PIN code. It will then activate again while driving when triggered as described below.

note: Blackjax can be turned off by entering PIN code at any time.

1. Ignition on
 - System sees the ignition on.
2. Door open and close.
 - System sees the door open and close.

* This feature is not evaluated by Thatcham

3. Press and release brake pedal.
 - a. System sees the brake pedal pressed.
 - b. System then begins monitoring the engine speed.
 - c. System sees the engine speed at two times idle. BlackJax* begins 20 second countdown.
4. After a 20 second countdown:
 - a. 5 siren chirps as reminder to enter PIN code.
 - b. Brake light output pulses to flash brake lights.
 - c. You then have 20 more seconds to enter PIN to turn off Blackjax.
5. If PIN code is NOT entered within 20 seconds:
 - System sounds siren and begins flashing indicator lights.
 - Brake lights continue to flash.
 - The system will now immobilise as described in steps 6-7.
6. If system sees the engine speed return to 1 ½ times idle or lower, the system will immobilise the vehicle as described in step 7.
7. Vehicle Immobilisation:
 - Immobiliser will engage the starter and ignition circuits.
 - The siren will continue to sound and the indicator and brake lights will flash for a maximum of 5 minutes.
 - Immobilisation circuits will remain active until correct PIN code is entered.

* This feature is not evaluated by Thatcham



blackjax* deactivation sequence

To deactivate BlackJax turn the key on and then enter the PIN code at any time.

bypass blackjax temporarily


This feature allows you to easily bypass BlackJax activation when another person drives your vehicle that should not know your PIN code. (IE: valet parking, mechanic)

Bypass BlackJax temporarily

1. Turn ignition on.
2. Enter PIN code. Do not enter valet or programming mode.
3. Within 10 seconds press  .
4. Siren chirps 1 time as confirmation of BlackJax bypassed.
5. Turn Ignition Off, siren chirps 3 times as confirmation of exiting programming.

***note:** If ignition remains on after entering PIN code and no action for 10 seconds, unit will automatically exit programming mode without chirps.*

To return to normal BlackJax Operation

1. Turn ignition on.
2. Enter Pin code.
3. Within 10 seconds press  .
4. Siren chirps 2 times as confirmation of BlackJax active.

* This feature is not evaluated by Thatcham

5. Turn ignition off, siren chirps 3 times as confirmation of exiting programming.

note: If ignition remains on after entering PIN code and no action for 10 seconds, unit will automatically exit programming mode without chirps.

blackjax* off warning indicator

Each time the ignition is turned off when BlackJax is bypassed the LED will flash 10 times as warning that the BlackJax has been temporarily bypassed.

system sensors and adjustments

Your system was installed with one of 3 different sensor configuration options. Either, Digital Dual Zone proximity sensor, Ultrasonic sensor, or Glass Tamper sensor & Tilt sensor.

Tilt/Motion Sensor: The 507C sensor detects when the vehicle is being raised in an attempt to either remove the wheels/tires or tow the vehicle. This sensor is capable of learning the vehicle's initial angles of vertical and horizontal inclination each time the vehicle is parked.

Proximity Sensor: The digital dual-zone proximity sensor uses digital signal processing to detect mass movement inside the passenger compartment and very near the vehicle. The sensor is impervious to air movement so it is ideal for use on convertible vehicles.

* This feature is not evaluated by Thatcham

Ultrasonic Sensor: The 509U sensor is used to provide coverage of a vehicle's interior cabin area. The sensor detects movement inside the vehicle by sensing air disturbance.

Glass Tamper Sensor: Metal on glass, glass cracking, and breaking glass each produce distinctive acoustic signatures. The 506T glass tamper sensor uses a microphone to pick up sounds, and then analyzes them with proprietary acoustic software to determine if the glass has been struck.

For sensitivity adjustments for all sensors, please return to your installing Clifford dealer.

glossary of terms

Control Unit: The "brain" of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all of the system's functions.

Input: A physical connection to the system. An input can be provided by a sensor, pinswitch or through an existing system in the vehicle, such as ignition or courtesy lights.

LED: Blue light mounted somewhere visible in the vehicle. It is used to indicate the status of your system. It is also used to report triggers and faults in the system or sensors.

UltraSecure Immobiliser: A feature on the module which prevents the vehicle's engine from operating whenever the system is armed. The vehicle is never prevented from running when the system is disarmed, in Valet mode, or loss of power while driving.

PlainView 2 Valet Switch: A small two-button switch mounted somewhere inside the vehicle. It is used to override the alarm when a transmitter is lost or damaged, or to enter or exit Valet mode.

Smart Self-Powered Siren: Noise generating device usually installed in the engine compartment of the vehicle. It is responsible for generating the "chirps" you hear, as well as the sound you hear while the alarm is triggered. The siren has its own built-in back-up battery, so even if a thief were to cut all the wires the siren would continue to sound.

Transmitter: Hand-held remote control which operates the various functions of your system.


Trigger or Triggered Sequence: This is what happens when the alarm goes off or trips. The triggered response of your system consists of the siren sounding and indicator lights flashing.

Warning Zone Response: Lighter impacts or movement close to the vehicle will generate the Warning Zone response. It consists of a warning siren blast or beep. (Requires either the Omnisensor or Dual Zone Proximity sensor for this to operate.)

Zone: A zone is a separate input that the alarm can recognise as unique. Each input to the system is connected to a particular zone. Two or more inputs often share the same zone.

security & convenience expansions

Here we have listed only some of the many expansion options available. Please contact your dealer for a complete list of all the options available to you.

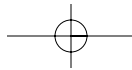
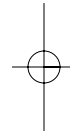
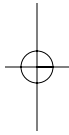
Remote Boot Release: The  button can operate a factory electric release for the vehicle's boot or hatch. (An optional relay may be required.) If the factory release is not electrically activated, the Directed®'s 522T boot release solenoid can often be added.

Electric Window Control: Automatic electric window control is provided with the SmartWindows system.

Omnisensor: An optional dual-zone learning impact sensor.

Remote Start System: For the ultimate in convenience, the IntelliStart remote start system can start your vehicle, monitor engine functions, and power your climate control system with a push of a button! Over-rev protection, open-bonnet lockout, brake pedal shutoff, and automatic timer shutoff are all included.

Turbo Timer: Most turbocharged vehicles require the vehicle's engine to be left running after a long journey. This system is able to perform this function safely and securely by leaving the alarm and Ultrasecure Immobiliser armed while the turbo timer is active. (An optional relay will be required.)



health check

Directed Electronics recommends you return to your installing Clifford dealer to have your system checked for correct operation. The first check is due one year after the installation date and at yearly intervals thereafter.

note: There may be a small charge incurred for this service.

<p>DEALER STAMP 1 YEAR CHECK</p> <p>Signed _____ Date _____</p>	<p>DEALER STAMP 2 YEAR CHECK</p> <p>Signed _____ Date _____</p>
<p>DEALER STAMP 3 YEAR CHECK</p> <p>Signed _____ Date _____</p>	<p>DEALER STAMP 4 YEAR CHECK</p> <p>Signed _____ Date _____</p>
<p>DEALER STAMP 5 YEAR CHECK</p> <p>Signed _____ Date _____</p>	<p>DEALER STAMP 6 YEAR CHECK</p> <p>Signed _____ Date _____</p>

Your factory set 4-digit PIN code is noted below. See Pin Programming Section of Guide for information on using your PIN code.

place sticker here

The company behind this system is Directed Electronics

E&OE, specification is subject to change without notice. Some vehicles require optional parts/wiring and a few are incompatible with some features.

TC2-1391/1206



Directed® is committed to delivering world-class quality products and services that excite and delight our customers.



Directed Electronics UK office
Unit C Longmead Business Centre
Blenheim Road
Epsom, Surrey KT19 9QQ

www.directed.com

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