

# CLIFFORD CONCEPT 300 Wiring Instructions

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## Wiring Description for the 9-Pin Connector

Pin	Label	Connects to	Inputs	Outputs
1	Ground (-)	Ground (chassis)	Min 12mA, Max 5A	
2	Ignition Output +12v	Ignition Output		Continuous 15A, Max Surge 30A
3	Starter Input +12v	Starter Input	Continuous 15A, Max Surge 30A	
4	Constant +12v 20A	Side Light Input	Continuous 15A, Max Surge 30A	
5	Ignition Input +12v	Ignition Input	Continuous 15A, Max Surge 30A	
6	Starter Output +12v	Starter Output		Continuous 15A, Max Surge 30A
7	Ground (-)	Ground (chassis)	Min 12mA, Max 5A	
8	Constant +12v 5A	Battery +	Continuous 15A, Max Surge 30A	

## Wiring Description for the 22-Pin Connector

Pin	Colour	Connects to	Inputs	Outputs
1	Grey/Blue	Auxiliary B Output		Negative 250mA Max
2	Black	Ground		Ground
3	Blue	Optional sensor input (Dual Zone Piezo Sensor or Digital Tilt / Motion Sensor)	Negative 3.5V Min	
4	White	Pre-wired to valet switch connector	Negative 3.4V Min	
5	Green	Armed Output		Negative 250mA Max
6	Red	Battery	Positive 7V in 18V Max	
7	Orange	Proximity Sensor III	Negative 3.5V Min	
8	Grey/Yellow	Boot and bonnet trigger switches	Negative 3.5V Min	
9	Orange	Optional Dual Zone Piezo Sensor	Negative 3.5V Min	
11	Brown	Indicator light output +		Relay Max 20A
12	Black	Pre-wired to the siren. Proximity Sensor, LED, and Valet switch.		Ground
13	Grey/Green	Door lock output + or -		Max 150mA
14	Grey/Orange	Door unlock output + or -		Max 150mA
15	Grey/Violet	Auxiliary A Output		Negative 250mA Max
18	Violet	Pre-wired to the LED connector		Positive 16mA Max
19	Brown/Red	Interior light supply + or -	Ground or Battery	
20	Grey	Door trigger input + or -	Negative 3.5V; Positive 4V	
21	Yellow	Siren / Air horn accessory		Negative 250mA Max
22	Brown	Indicator light output +		Relay Max 20A

**Note:** The current draw of the entire vehicle security system (when in it's armed state) is 200mA, power supply voltage is 7V minimum and 18v maximum.

## User Programmable Features

Concept 300 lets you set many of its features to your own preferences. Once you've changed a few settings, you'll find that programming the Concept 300 is extremely easy! The system features are programmed as noted by the **bold** type in the table. 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.**



- 1) Refer to the table of user-selectable features and make a note of the column and the row number of the feature(s) you wish to program.
- 2) Turn the ignition on, or start the engine.
- 3) Enter your valet code (see the Concept 300 User Manual), then press and hold the \* button of the PlainView 2 switch for about 3 seconds until you hear the siren chirp. Release the button.
- 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 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 to indicate exit of program mode).

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

Feature Select	Unmarked 1	Unmarked 2	Unmarked 3	Unmarked 4
* 1	Auto Program Remote <b>NOTE 1</b>	Chirps (Off/On/Quiet Chirps) (1 chirp/2 chirps/3 chirps)	Auto Arming (On/Off)	Arm/Disarm with Other Vehicles Remote <b>NOTE 4</b>
* 2	<b>NOT USED</b>	<b>NOT USED</b>	Auto Arm & Lock (On/Off)	Boot Release with Other Vehicles Remote <b>NOTE 5</b>
* 3	<b>NOT USED</b>	Remote Valet Feature (On/Off)	<b>NOT USED</b>	Silent Arm/Disarm with Other Vehicles Remote <b>NOTE 5</b>
* 4	<b>NOT USED</b>	Auto Start using optional IntelliStart 4* Both/Neither/Battery/Temp (1 chirp/2 chirps/3 chirps/4 chirps)	FACT (Off/On)	<b>NOT USED</b>
* 5	Auto Lock (Off/Instant/RPM Dependant) (1 chirp/2 chirps/3 chirps) RPM Setting requires IntelliStart 4	<b>NOT USED</b>	<b>NOT USED</b>	Remote Start with Other Vehicles Remote (Requires IntelliStart 4) <b>NOTE 5</b>
* 6	Auto Unlock (Off/On)	Clear All Remotes NOTE 3	<b>NOT USED</b>	Window Roll down/Venting with Other Vehicles Remote <b>NOTE 5</b>
* 7	Reset All to Factory Settings (except remote controls and valet code) <b>NOTE 2</b>	Valet Code <b>SHOULD ONLY BE PROGRAMMED BY THE VEHICLE OWNER</b>	<b>NOT USED</b>	Remote Valet Mode with Other Vehicles Remote <b>NOTE 5</b>

**Note 1:** Press the  button on the remote to be programmed, you will hear one chirp. Press the  button again, you will hear two chirps.

**Note 2:** You will hear two chirps when all features are reset.

**Note 3:** When you hear two chirps, all remote controls will have been erased from the system memory. You must now add the new and/or existing remote controls to the system (i.e. Auto Program each remote that will be used with the Concept 300).

**Note 4:** Programs a remote control from any other Concept system to arm or disarm the vehicle. For instance, to set the \* button of the other car's master remote control to arm/disarm the system, select column 4, row 1, then press the \* button from the remote you are programming. The system will respond with one chirp. Immediately press the \* button again to transmit a second time. The system will respond with two chirps. The \* button of the other vehicle's remote will now arm/disarm the system.

**Note 5:** This feature can be programmed on to a remote control of any other Concept system, after that remote has been programmed to arm/disarm the system. Select the row and column number, then transmit the unused button (or button combination) on the other remote that you want to use to perform that function. The system will respond with the same number of chirps as the row number. Please note that you must first set a button on the remote that will arm/disarm the system (column 4, row 1) before these others will be accepted.

## Installer Programmable Features

To access the installer-programmable features, use the procedure in the user-programmable section, but after completing step 4, continue to press and hold the \* side of the PlainView 2 switch for another 10 seconds. You will hear three confirmation chirps indicating that the system is in installer-program mode.

**Table of Installer-Programmable Features: 1 chirp = OFF, 2 chirps = ON**

Feature Select	Unmarked 1	Unmarked 2	Unmarked 3
* 1	Single/Double Lock Pulse (1 chirp/2 chirps)	Accessory Output Timer Duration (10 seconds) <b>NOTE 1</b>	Door Ajar Warning/Delayed Courtesy Lights (1 chirp, 2 chirps)
* 2	Single/Double Unlock Pulse (1 chirp, 2 chirps)	Auxiliary A type (Pulsed/Timed/Latched) (1 chirp, 2 chirps, 3 chirps)	Auxiliary A Interlock (On/Off)
* 3	Lock/Unlock Pulse 1 second/3 second (1 chirp, 2 chirps)	Auxiliary B type (Pulsed/Timed/Latched) (1 chirp, 2 chirps, 3 chirps)	Auxiliary B Interlock (On/Off)
* 4	Program Door Lock Polarity Positive/Negative (1 chirp/2 chirps)	Diesel Engine/Petrol Engine (1 chirp, 2 chirps) (Required for optional IntelliStart 4)	Auto Activate Auxiliary B (On/Off)
* 5	Program RPM (Required for optional IntelliStart 4)	Program optional SmartWindows 4	<b>NOT USED</b>

**NOTE 1:** Once this feature is selected, you will hear one chirp to confirm that the timer has started. You can set the timer anywhere from one to 4.25 minutes (255 seconds). When the desired duration has been reached, press the unmarked button of the PlainView 2 switch. You will then hear two chirps to confirm the new system timer duration.

# Clifford Concept 300 Wiring Diagram

