

### CODE-ALARM, INC. 3-YEAR WARRANTY

A CODE-ALARM, INC. ("CODE") vehicle system sold to a retail consumer purchaser by an authorized dealer of CODE and installed by an authorized dealer of CODE is warranted by CODE to the original retail consumer purchaser to be free from defects in workmanship and materials for three (3) years from when the system was originally installed.

A CODE vehicle system sold to a retail consumer purchaser by an authorized dealer of CODE and installed by a party other than an authorized dealer of CODE is warranted by CODE to the original retail consumer purchaser to be free from defects in workmanship and materials for a period of ninety (90) days. Defects caused by or related to the improper installation of the system are not covered by this or any other warranty.

The duration of this warranty described above applies to all components of the system except for: switches, indicator lights, transmitter(s) and accessories purchased separately.

Transmitters, exclusive of the transmitter case, are warranted by CODE to the original retail consumer purchaser to be free from defects in workmanship and materials for three (3) years from when the system was originally installed.

Switches, indicator lights, and transmitter cases are warranted to the original consumer purchaser for a period of one (1) year from the date of purchase when the system is installed by an authorized CODE dealer.

Switches, indicator lights, and transmitter cases are warranted to the original consumer purchaser for a period of ninety (90) days from the date of purchase when the system is installed by a party other than an authorized CODE dealer.

System accessories are covered by the warranty supplied with the accessory. Wiring harnesses altered by installation and transmitter batteries are not covered by this or any other warranty.

This warranty is non-transferable, non-assignable and is completely voided when the system is removed from the car in which it was originally installed. If the vehicle in which the system was originally installed is transferred to another party, this warranty no longer applies.

This warranty does not apply to any product damaged by accident, physical or electrical abuse, improper installation, alteration, any use contrary to its intended function, unauthorized service (i.e. service by anyone other than CODE or its authorized service personnel), fire, flood, lightning or other acts of God.

Should a product be found to be defective during the warranty duration, CODE will repair or replace the product or any part of the product that CODE agrees is defective without charge to the retail consumer purchaser of the product during the first year of the warranty period. After the first year of the warranty period has expired CODE will repair or replace the product or any part of the product that CODE agrees is defective for a fee of \$10.00 to cover shipping and handling charges.

In order for a product to be repaired or replaced under the terms of this warranty, the defective product must be returned to an authorized CODE dealer and accompanied by a copy of the original retail sales receipt. The date of purchase and year, make and model of the vehicle in which the system was originally installed must be clearly indicated on the sales receipt.

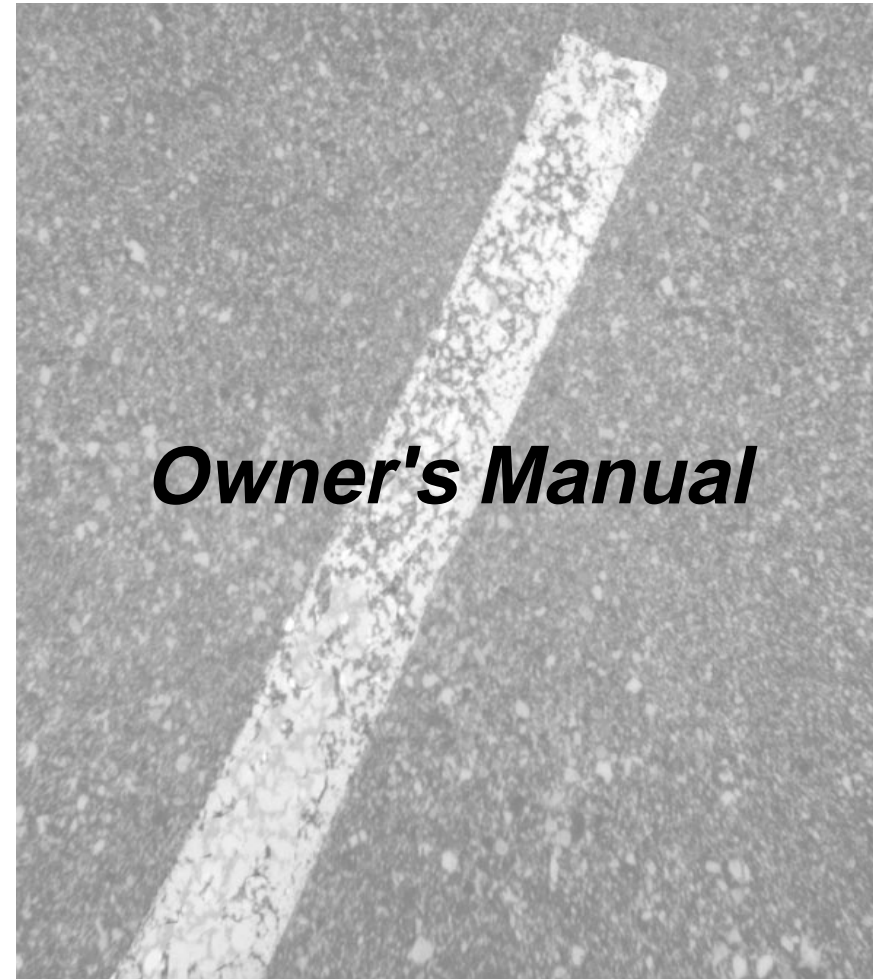
CODE shall not be held responsible for any removal and/or reinstallation charges of a defective product, damage to or theft of the vehicle or its contents, or any incidental or consequential damages caused by any failure of the product to function properly. Under no circumstances should this warranty, or product covered by it, be construed as an insurance policy against loss. CODE neither assumes nor authorizes any person or organization to make ANY WARRANTIES or assume any liability in connection with the sale, installation, or use of this product. This is the complete CODE warranty and no other warranty exists.

The warranty identified in this form is exclusive and CODE makes no other warranties expressed or implied for any goods or services provided by CODE. CODE specifically and expressly excludes any other warranties including the fitness for a particular purpose and all warranties of merchantability. The customer's sole and exclusive remedy for any and all claims against CODE arising out of the customer's use of any CODE vehicle system or component shall be as delineated in the warranty set forth above. CODE shall not be liable to any customer or any other person or entity for any direct or indirect, consequential, special or exemplary damages arising out of or in connection with the customer's use of, or inability to use, or misuse of any CODE provided product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# **F50/F55**

## **Remote Vehicle Control System**



# **Owner's Manual**

## **Car Start and Convenience System**

**IMPORTANT NOTE:** The operation of the F50/F55 as described in this manual is applicable to most vehicles. However, due to the engine type and configuration of some vehicles (i.e. diesel engines), some functions AND/OR SAFETY PRECAUTIONS may not apply. Please see your installing dealer for more information.

**Features and Benefits of the F50/F55** ..... 3

**Using Your Remote Transmitter** ..... 4  
Remote Start / Stop Feature

**Using Your Remote Starter** ..... 5  
Starting Your Vehicle  
*If your vehicle stalls or does not start*  
Remote Start Safety Features  
Entering the Vehicle While it is Running via Remote Start  
Pre-Heating or Pre-Cooling the Interior of the Vehicle  
Using the “Quick-stop” Feature

**System Maintenance** ..... 6  
Changing the Remote Control Battery  
Adding Remote Controls to Your System  
Deleting Lost or Stolen Remote Controls from Your System

**Basic Troubleshooting** ..... 8

**System Layout** ..... 9

**Remote Transmitter Programming** ..... 10

**Programming Selectable Options** ..... 11

**Code Alarm Warranty Plan** ..... 13

**E. Programming Options**

Default settings in **BOLD**

OPTION DESCRIPTION

**Option Bank 0 - 3 Chirps (Learn Transmitters)**

**Option Bank One - 4 Chirps (Keyless Options) STATUS INDICATOR**

1. Lock with Ignition	Doors lock when all doors are closed and ignition is turned on	<b>ON</b>	OFF
2. Delayed Door Lock	3 sec. delay locking for theater dimming	ON	<b>OFF</b>
3. Extended Locks	Lock duration is (1) 5 sec. or (2) 0.6 sec.	ON(1)	<b>OFF(2)</b>
4. Unlock with Ignition	Doors unlock when ignition is turned off	<b>ON</b>	OFF
5. Double Unlock Pulse	Unit provides two pulses on each unlock	ON	<b>OFF</b>
6. Illuminated Exit	Courtesy light on for 60 sec. after ignition is turned off	<b>ON</b>	OFF
7. Illuminated Entry	(1) Second Door Unlock (2) Ill. Entry	(1)ON	(2) <b>OFF</b>

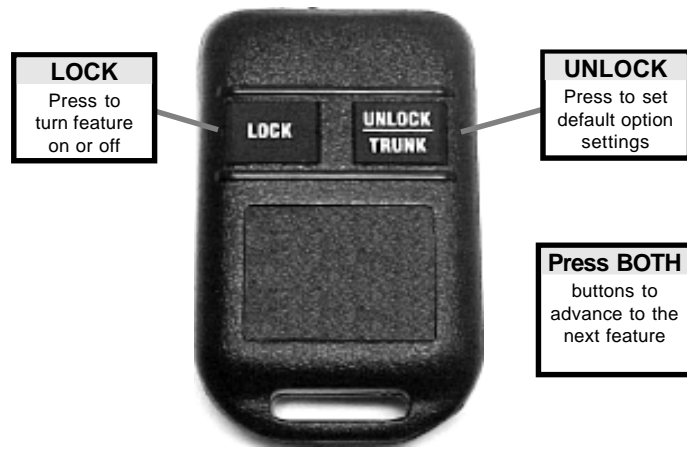
**Option Bank Two - 5 Chirps (Car Start Options)**

1. Tach Mode	(1) Use blind crank timing (2) Use tach input	ON(1)	<b>OFF(2)</b>
2. Blind Crank Time	(1) Avg of last manual starts (2) 1. sec.	<b>ON(1)</b>	OFF(2)
3. Run Time	(1) 25 minutes (2) 12 minutes	ON	<b>OFF</b>
4. Diesel Mode	Start crank begins (1) 15 sec. or (2) 2 sec. after ignition turns on	ON(1)	<b>OFF(2)</b>
5. Doors Lock After Start	Doors lock after start command	<b>ON</b>	OFF

**Option Bank Three - 6 Chirps (Car Start Options)**

1. External Start Trigger	(1) Positive (2) Negative	ON(1)	<b>OFF(2)</b>
2. Neutral Safety Input	(1) Positive (2) Negative	ON(1)	<b>OFF(2)</b>
3. Tach Programming*	Hood open, start learn	ON(1)	<b>OFF(2)</b>

\* For Tach Averaging, both Starter Key and Starter Motor wires must be hooked up.



**Note: Transmitters must be programmed prior to these steps.**

1. Repeat steps 1-4 of **Adding Remote Controls to Your System** (page 7).
2. Press and release the emergency override button.  
The parking lights will flash four (4) times. This indicates that the unit has entered the **Keyless Options Programming** mode.
3. Press BOTH buttons to advance to the next feature.  
The parking lights will flash a number of times to indicate the number of the option.
4. Press the LOCK button to turn the option on or off. The vehicle status indicator on the dashboard indicates whether an option is on or off.
  - If the selected option is ON, the indicator will light.
  - If the selected option is OFF, the indicator will turn off.
  - The status indicator will turn on or off when an option is changed.
5. When changes are complete, press and release the emergency override button to continue to the next option bank. (parking lights will flash five (5) times.)
6. To reset all options back to factory defaults, press the UNLOCK button.

**Note:** Option Bank 4 Installer Options will never reset.

7. Turn ignition off to exit programming.  
**See Options Chart on page 12.**

#### ■ **Two Easy-to-Use Weather-Resistant Remote Controls**

The remote controls included with the F50/F55 utilize durable, moisture resistant cases and sealed rubber buttons for reliability and long life. Rolling code technology prevents the transmitter signals from being duplicated. The button functions are clearly labeled to make the F50/F55 simple to operate.

#### ■ **Personal Protection Features**

Illuminated Entry is one of an array of features that enhance personal safety.\*\*

#### ■ **Remote Start**

The F50/F55 allows you to warm up your vehicle and preheat or pre-cool the interior with the press of a button on the remote control.

#### ■ **PowerRange™ Antenna**

This long-range antenna allows you to operate the F50/F55 from distances of up to 1/8 mile. Remote-start your vehicle from the safety of your home, apartment or office building.

Press to LOCK the Doors  
Press both buttons for Start/Stop Operation



Press to UNLOCK the Doors  
Press and Hold for Trunk



Note: Buttons are Interchangeable.

**Locking the Vehicle Doors**

To lock the doors, press the LOCK button. The parking lights will flash, indicating the system has locked the doors.

**Unlocking the Vehicle Driver's Door**

To unlock the doors, only the vehicle driver's door (if this option is selected), press UNLOCK button. The the parking lights will flash, indicating the system has unlocked the doors.

**Activating the Trunk Release Feature**

Press and hold TRUNK to open the vehicle trunk or hatch (if equipped and connected). If this button is used to operate another accessory, the accessory will stay active for as long as the button is held.

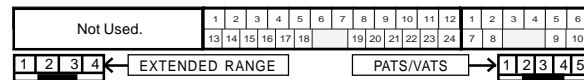
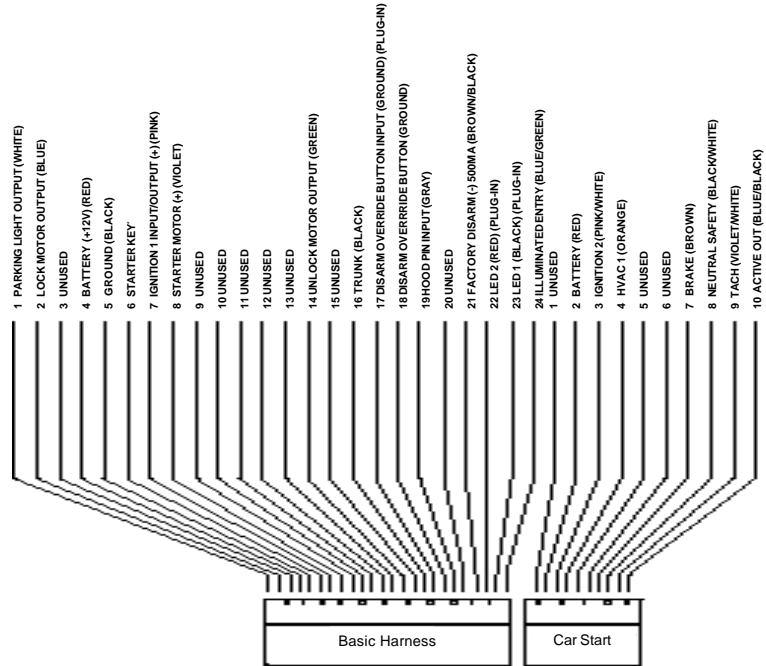
**Remote Start / Stop Feature**

Press BOTH buttons on the remote control. If all safety parameters are correct, the engine will start within 5 seconds (diesel engines will take longer.) Press and hold BOTH buttons again to turn off the vehicle. (Turn to page 6 for more on remote start features.)

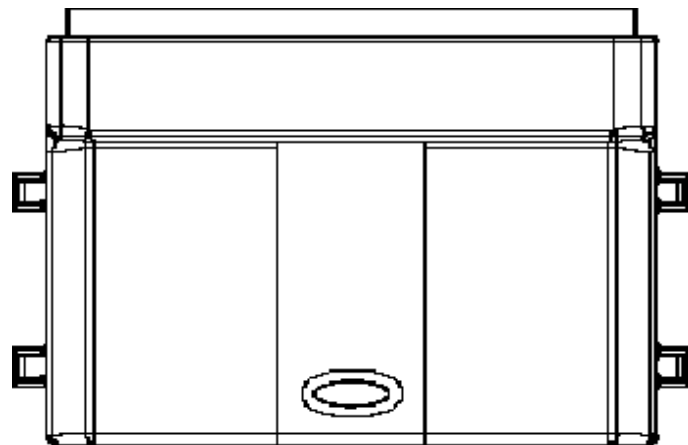
\* Throughout this manual, 'press' refers to pressing for less than 1 second; 'press and hold' refers to pressing for more than 1 second.

† If you have chosen the Silent Arming Option, the parking lights will not flash when locking or unlocking until the appropriate button is pressed a second time.

**IMPORTANT!!!**  
The module **MUST** be programmed before it will operate.  
Refer to the programming instructions on pages 10-12.



Wire End View



\* Used for Blind Crank Mode.

This section outlines some of the basic issues you may experience while becoming used to the F50/F55. If you have a problem that is not covered by this section, please consult your installer.

Symptom	Problem	Solution
Remote control does not work	Weak or dead battery	Change battery
	Remote control not programmed	Program remote control (page 7)
System will not remote start	Hood is open	Close hood
	Brake is pressed	Release brake

### **Starting Your Vehicle**

The remote start function is activated by BOTH buttons on the remote control. The system will check the vehicle to ensure that it is safe to start, and if all safety parameters are correct, the engine will start within 5 seconds (diesel engines will take longer.) Press and hold BOTH buttons again to turn off the vehicle.

*If your vehicle stalls or does not start...*

If the vehicle stalls or does not start, the F50/F55 will pause 5 seconds, then try 3 more times to start the vehicle (a total of four attempts). The system pauses 5 seconds between each start attempt. If the vehicle does not start after the fourth attempt, the F50/F55 will abort the start process.

Your vehicle can be started by remote control whether the vehicle is locked or unlocked.

### **Remote Start Safety Features**

For safety and security reasons, the F50/F55 will shut off the vehicle during remote start if any of the following occur:

- The vehicle hood is opened
- The brake is pressed before the vehicle ignition is turned on with the key
- The engine reaches 3 times its normal idle\*

As a safety precaution, the vehicle will shut off if left unattended for 12 or 25 minutes, depending on the time preset by your installer.

### **Entering the Vehicle While It is Running via Remote Start**

1. Enter the vehicle. Do not press the brake pedal.
2. Insert the key into the ignition and turn to the ON position.
3. Press the brake pedal. The remote starter disengages and the vehicle will operate normally.

### **Pre-Heating or Pre-Cooling the Interior of the Vehicle**

Before exiting the vehicle, set the temperature controls to the desired setting and operation. After the F50/F55 starts the vehicle, the heater or air-conditioning will activate and heat or cool the interior to your setting.

#### **FCC COMPLIANCE**

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including any interference that may cause undesired operation.

#### **Warning!**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

\* The tach wire must be connected and the system must be in tach monitor mode.

**Using the “Quick-stop” Feature**

If you want to make a short stop and leave your vehicle running (to keep the interior warm or cool, for instance), the quick stop feature allows you to do this while keeping your vehicle secure and your keys with you.

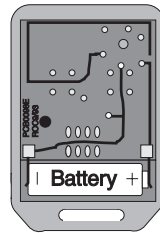
**To engage quick stop:**

1. While vehicle is running, place the transmission in PARK.
2. With your foot off the brake pedal, press BOTH buttons on the remote control. The parking lights will turn on, indicating that the vehicle is now running via remote start.
3. Remove the keys from the ignition and exit the vehicle. Press ARM to arm the alarm system if desired.

**Note:** Do not leave children or animals unattended in the vehicle when using the quick stop feature.

**System Maintenance****Changing the Remote Control Battery**

The 12-volt alkaline battery supplied in your remote transmitter should last approximately one year, depending on usage. When the battery begins to weaken, you will notice a decrease in range, or the distance from your vehicle that your remote transmitter will operate. Follow the instructions below to change the remote transmitter battery.



Open Back of Remote Transmitter

1. Using a coin pry off the back of the transmitter (the transmitter snaps together) and expose the battery.
  2. Remove the old battery and replace with GP-23A or equivalent. Be sure to observe the (+) and (-) signs in the battery compartment.
  3. Replace the case backing, then test the remote transmitter.
- It is not necessary to re-program the remote transmitter after changing the battery.**

**Adding Remote Controls to Your System**

The F50/F55 has the ability to operate from up to four (4) remote controls. Follow these instructions to add a remote control to your system.

1. Make sure the system is disarmed and the ignition is off.
2. Press the brake pedal.
3. Turn vehicle ignition on.
4. Press and hold emergency override button.  
*After 15 seconds, the parking lights will flash three (3) times.*  
*This indicates that the unit has entered the remote control programming mode.*
5. Release the button.
6. Press “BUTTON 1” on the remote control to be programmed.  
*The parking lights will flash once, indicating that the system has “learned” that remote control.*
7. Repeat step 6 for any additional remote controls.
8. Turn the vehicle ignition off to exit the programming mode. Test all remote controls to ensure that they work properly.

**Deleting Lost or Stolen Remote Controls from Your System**

If one of your remote controls is lost or stolen, follow these instructions IMMEDIATELY to remove the control code from your system.

1. Make sure that you have all remaining remote controls available.
2. Enter the control programming mode by following steps 1 - 5 of **Adding Remote Controls to Your System**.
- 3a. **If you have only one remaining remote control**, press “BUTTON 1” on that remote control **four (4) times**, pausing at least 1 second in between each press. Make sure that the parking lights “flash” each time you press “BUTTON 1”.
- 3b. **If you have two remaining remote controls**, press “BUTTON 1” on each remote control **two (2) times**, pausing at least 1 second in between each press. Make sure that the parking lights “flash” each time you press the START button.
- 3c. **If you have three remaining remote controls**, press “BUTTON 1” on one remote control **twice**, then press the “BUTTON 1” button on the remaining remote controls once. Pause at least 1 second between each press. Make sure that the parking lights “flash” each time you press “BUTTON 1”.
4. Turn the vehicle ignition off to exit the programming mode. When you are finished, the lost or stolen remote control will no longer operate your system.