ESSEX ELECTRONICS INCORPORATED
1-800-KEYLESS   keyless.com

KE-1704 User Guide
The Worry-Free Dual Technology Keyless Entry® System

1. How do I use the Keyless Entry System?

How do I unlock my vehicle?
Your new system is so easy to use. *Simply* enter your personal three to eight digit code on the keypad, or press the keyfob's upper right Unlock Key.

How do I lock my vehicle?
To lock the vehicle door from the keypad *Simply* enter Lock Code 559, or press the keyfob's upper left Lock Key.

How can I remember my code?
Worried about remembering your code? *Simply* change the code to a number you already know by heart, such as your phone number.

How can I change my code?
Don't know how to change the code? *Simply* follow the few easy steps listed under changing the Master User Code, or call the installer that put the system in your vehicle for a service call.

How can I replace a lost keyfob?
Need to replace lost keyfobs? *Simply* follow the few easy steps listed under Programming Keyfobs, or call the installer that put the system in your vehicle for a service call.

We know you will enjoy the ***worry-free convenience*** of the Essex Keyless Entry System - no more lockouts if you lose or lock the keys or keyfob in the vehicle. For further peace of mind, your system also provides memory for 5 Optional User Codes that can be added, changed, or deleted to allow a family member, friend, valet, or mechanic temporary access to the vehicle without having to give out your Master User Code. If you have any questions or comments please contact us at 1-800-keyless or at www.keyless.com. We'd love to hear from you.

2. How does my dual technology system work?

The Essex Keyless Entry Keypad & Keyfob system is designed to provide two convenient methods to safely and securely enter your vehicle without using keys. You can also use the keypad or keyfob to unlock the trunk, open the windows or sunroof, or to actuate other accessories. If your vehicle is equipped with an alarm system, it will be disarmed when you enter a valid user code or press the keyfob Unlock Key. You can use the keypad or keyfob, whichever your prefer, or whichever is more convenient at the moment.

When you first touch the keypad the keys light up. When you enter your code the door unlocks and the vehicle's interior safety light goes on (if connected by your installer).
If you want to unlock a power actuated trunk simply press the 7/8 Key on the keypad within 5 seconds of entering a valid code or press the keyfob Trunk Key. If you wait
until the keypad double beep, or until the keypad lights go out, you will have to start
over by entering your personal user code plus the 7/8 Key (or 3/4 Key, or 9/0 Key, depending on how your installer has connected the three keypad Auxiliary Outputs)
to open the trunk or actuate another accessory. If 25 invalid digits are pressed on the keypad in sequence, the system locks out code entry and activates the code tamper alarm by sounding a steady tone and flashing the interior lights and keypad for approximately 30 seconds. Once the alarm stops, you can enter a valid user code to unlock the vehicle.

3. Using Codes
There are two types of Codes available in the KE-1704: The Master User Code (1) and Optional User Codes (5). The Master User Code operates all functions available in the system plus allows you to add, change, and delete Optional User Codes.

<u>**How to enter the Master User Code**</u>
A. To Unlock the vehicle simply enter your 3 to 8 digit Master User Code

Note: The Factory Default Master User Code is 1 3 5 7 9. You or your installer should change this immediately to a personal 3 to 8 digit code. Try using a 7 digit phone number for your new Master User Code.

Note: The keypad on the KE-1704 has 5 keys. Each key represents two digits. The first key can be used as either or both the numeral 1 and the numeral 2 when you are entering a code. Example: The Factory default Master User Code can be described as 1 3 5 7 9 or as 2 4 6 8 0. To the system they are the same 5 digit code. If you want a 1 or a 2 in your Master User Code or in an Optional User Code use the first key to represent both numbers.

How to change the Master User Code

A. Locate and press the System Programming Switch
   4 Rapid Beeps 🔔 will sound and you will have 2 minutes to start programming the system.
B. Enter 1 1 1 9 on the keypad
   3 Rapid Beeps 🔔 will sound
C. Within 5 seconds of the 3 Rapid Beeps enter your new 3 to 8 digit Master User Code. Now wait 5 seconds and listen for 3 Rapid Beeps 🔔. You're done! Try the new Master User Code and the door will unlock. If it doesn't, please read the following paragraph to see if you made an error or skipped a step while programming.
Note: When using or programming your system you must make each keystroke within 5 seconds of the previous keystroke or the system will timeout and reset to normal operation. 2 Rapid Beeps signal system reset. If the system resets before you have completed changing the Master User Code, you must start over by pressing the System Programming Switch. 1 Long Beep signals an error has been made during the programming sequence. Don't worry. Start over by pressing the System Programming Switch.

Where is the Programming Switch Installed?
What is my Master User Code?

Code Padding

If you feel you are being observed when you enter your code on the keypad you can "pad" your code by entering several random digits before you enter your actual code and still have the door unlock. For instance, if your code is 1 3 9 1 you can enter 5 7 1 3 9 1 and the door will unlock. Each time you press a key successfully the keypad beeps and blinks. If you accidentally make an error during code entry, simply start over with the correct code.

What Keypad code combinations are restricted

Codes 559, 557, and 555 are pre-assigned as Lock Codes. There is no harm if everybody knows the Lock Code. However, you can't change a Lock Code so you can't use 559, 557, or 555 as the Master User Code or as an Optional User Code.
Furthermore, you may not program a new Master User Code or Optional User Code that starts with the digits 5 or 6 (Key 5/6). If you want a 5 or 6 at the beginning of your code start with 05 or 06. Example: 05 05 68 (a birth date).
Caution: Never use the same sequence of digits of your Master User Code as the first part of an Optional User Code. If you do, you will have to press the System Programming Switch and select a new Master User Code.

What Keypad code combinations are not recommended

- Using your ATM PIN number or computer passcodes
- Short codes using the same digit - example: 111
- Simple codes - example: 123 or 911
- The numbers on your car's license plate

How to add Optional Keypad User Codes and what they are for

You can add up to 5 Optional User Codes in your Keyless Entry Keypad System if you wish. What are they for? You might want to have an Optional User Code to give to a family member or a friend if you need to lend them your vehicle temporarily. You can change it or delete it later. You might want another Optional User Code to give to a valet parking attendant or to a smog checker or service mechanic at the dealership. There might be other reasons you need to give someone else access to your vehicle when you are away. Remember, don't give out your Personal Master User Code. **Refer to the KE-1704 User Code Guide Form Included with your system for User Code programming steps**.

How to enter a Keypad Lock Code
Enter 559, 557, or 555 Lock Codes. See the Convenience Code Mode section at the end of this Guide to understand why you might want to use Lock Code 555 instead of Lock Code 559 or 557.

4. Using Keyfobs
Press the upper left Key to Lock the vehicle. Press the upper right Key to unlock the vehicle. Press the lower left or lower right center Key to activate the Auxiliary Output, to unlock the trunk or activate another accessory if connected by the installer.

The Keyfob has three small green LEDs that illuminate when a Key is pressed to indicate a successful Key press and a good battery. To renew the keyfob battery, take the keyfob to a watch store or carefully open it by removing the screws on the back and replacing the battery.

How to Train the system to accept new Keyfobs
Each KE-1704 comes with two 4-Key keyfobs. When shipped from the Factory the system will not recognize new keyfobs. For system security the system must be trained to learn the identity codes of new keyfobs. In most cases the installer will already have trained your keyfobs. Try them first before performing the training process listed below. If you have lost a keyfob and are replacing it with a new one, you will have to train the system to recognize the new keyfobs, or contact the system installer for a service call.

- Turn the key to **ON** position.
- Press the valet button for three seconds.
- Parking lights (if connected by installer) will flash once to indicate code learning mode.
- Press any button in order to learn the desired remote.
- Parking lights (if connected by installer) and LED will flash once for confirmation, after each Keyfob is learned.
- Up to 4 Keyfobs can be learned at this time.
- Turn ignition OFF or Wait for 5 seconds and system will exit code learning.

5. Using Standard Outputs
- Unlocking and Locking
Your system has several standard outputs. One output relay is used to unlock the power door locks and another one is used to lock the door locks. Depending on your type of vehicle and how your installer has hooked up the system, you may be able to unlock only the driver's door or all of the doors.

- Interior Lights
A standard feature allows your installer to connect an output to activate the interior lights of your vehicle when any valid user code is entered on the keypad or the keyfob Unlock Key is pressed. The lights will stay on for about five seconds.

- Trunk Unlock
Some vehicles come with a power lock on the trunk. Your installer can connect any one of three Keypad or one Keyfob Auxiliary Outputs to the trunk to allow you to unlock the trunk. From the Keypad you first unlock the vehicle door and then the trunk. From the Keyfob you can unlock the trunk directly. However, if the vehicle has an alarm system, make sure unlocking and opening the trunk directly from the Keyfob will not trigger an alarm. Most installers use the Auxiliary Keypad output which is triggered by pressing the 7/8 Key on the Keypad within 5 seconds of entering a valid unlock code. The 3/4 Key or the 9/0 Key could be used instead of the 7/8 Key for the trunk, or to control other devices on your vehicle. If you are using the trunk unlock feature, you will first enter your personal entry code followed by pressing the 7/8 Key to open the trunk.

6. Using Auxiliary Outputs
- Keypad Auxiliary Output 3/4 - Press the 3/4 Key within 5 seconds of the last key press of a valid user code. **Note:** This output may be setup to toggle ON/OFF through a programming command for special control applications.
- Keypad Auxiliary Output 7/8 - Press the 7/8 Key within 5 seconds of the last key press of a valid user code. Normally connected to the trunk release, if available.
- Keypad Auxiliary Output 9/0 - Press the 9/0 Key within 5 seconds of the last key press of a valid user code.
- Keyfob Auxiliary Output Key (3rd Key - lower left) – Press the 3rd Key momentarily to activate the controlled function.

- Keyfob Auxiliary Output Key (4th Key - lower right – Press the 4th Key momentarily to activate the controlled function.

7. Special System Setups

Your system has a special 3-Digit Convenience Code Mode which can be enabled by the system installer or by following commands listed in the Installer Guide. When the convenience code mode is enabled and the vehicle is locked by using Lock Code 555, every code in the system will now work by entering only the first 3 digits of the code. If you have used 7 or 8 digit codes this can be a handy way to allow a friend or service person to have temporary access by using 3 digits only, and without taking the time to add a new Optional User Code, and without giving away your personal Master User Code. To lock the doors so a full length Unlock Code is required, use Lock Code 557 or 559. Don't forget, you can always add 3-Digits Optional User Codes for use all the time without activating the Convenience Code Mode if you wish.

KE-1704 Code Types		
Code Type	User Type	Function

Master User Code
   1 Changeable Code,
   3 – 8 Digits Long
   Factory Default: 1 3 5 7 9
	Vehicle Owner, Operator, or Manager	**- Vehicle Entry & Auxiliary Output Control**
		- Add, Change, Delete Optional User Codes

Optional User Codes
   5 Changeable Codes,
   3 – 8 Digits Long
	Family Member, Friend, Mechanic, Valet, Authorized Vehicle Operator	**- Vehicle Entry & Auxiliary Output Control**

Lock Code **3 Non Changeable Codes** **- Lock Code 559** **- Lock Code 557** **- Lock Code 555**	**Everyone**	**- 559 -Locks Door, Arms Alarm, Arms Keypad, Cancels 3-Digit Convenience Code Mode** **- 557 – Locks Door, Arms Alarm, Cancels 3-Digit Convenience Code Mode** **- 555 – Locks Door, Activates 3-Digit Convenience Code (if enabled)**

KE-1704 Code Programming Commands	
Code Type	**Commands**
Master User Code **Where is the Programming Switch Installed?** ---------------------------- -- **What is my Master User Code?** ---------------------------------	**To Change The Master User Code** 1. Locate and press the Programming Switch 2. 4 Rapid Beeps ☼ will sound 3. Enter 1119 on the keypad 4. 3 Rapid Beeps ☼ will sound 5. Enter the new 3–8 Digit Master User Code within 5 seconds 6. Wait 5 seconds for 3 Rapid Beeps ☼ 7. Test the new Master User Code **8.** If the new code does not work, repeat Steps 1–7
<center>! Caution !</center> **Make sure you have door keys or leave a window open before testing your new Master User Code!**	
Code Type & Memory Location	**Commands**
Optional User Code 111 Optional User Code 113 Optional User Code 115 Optional User Code 117 Optional User Code 119	**To Add or Change an Optional User Code** 1. Enter the Master User Code on the keypad 2. Enter the Optional User Code Memory Location Number 3. 3 Rapid Beeps ☼ will sound (command accept) 4. Enter the new 3 – 8 Digit Optional Use Code 5. Wait 5 seconds for 3 Rapid Beeps ☼ (system reset) 6. Test the new Optional User Code 7. If the new code does not work, repeat Steps 1–8 **8.** Repeat Steps 1– 8 to add additional Optional Users
Optional User Code 111 Optional User Code 113 Optional User Code 115 Optional User Code 117 Optional User Code 119	**To Delete an Optional User Code** 1. Enter the Master User Code on the keypad 2. Enter the Optional User Code Memory Location Number 3. Wait 5 seconds for 3 Rapid Beeps ☼ (system reset) 4. Test the deleted Optional User Code **5.** If the deleted code still works, repeat Steps 1–5
	Note: One Long Beep indicates an error – allow the system to reset - 2 Rapid Beeps ☼ - then proceed to re-enter the required commands