

LOCKZILLA

REMOTE

Series 2

MODEL LZR-2

IMPORTANT**DO NOT install any plug upside down or you will FRY the Receiver !**

The 5 pin Plug From LockZilla is labeled. The wire color code is on the Receiver. DO NOT force any plug in upside down. While it seems pointless to stress, we have seen a fair share of owners choose to jam the plugs in upside down and damage the unit. There are No second chances. It can be damaged instantly.

Install Location

Fit the remote unit just above the LockZilla Door lock controller. This unused area is at the top of the electrical device bay (passenger side rear) and has just enough room for the Remote Receiver. Mount it with stacked Zilla Logos facing toward you. This will allow the connections to face to the right.

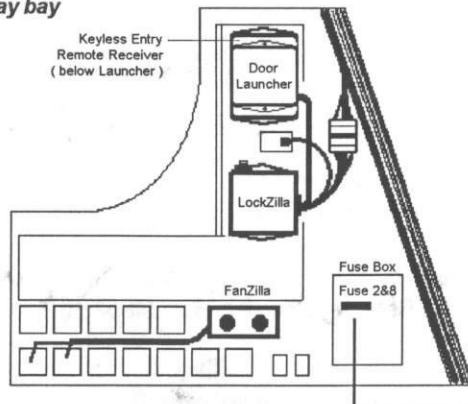
Mounting Screws are not needed. A single strip of Velcro has been installed on the forward side of the Receiver to prevent side to side movement. Two Strips of Velcro would have made it too difficult to install and remove the Receiver.

Plugging the Receiver in

There are 4 Multi-pin Sockets on the unit. When inserting a plug, be CAREFUL not to "bridge" neighboring pins by forcing the white plugs on improperly.

The First Plug goes into the 5 pin socket from LockZilla. Be ABSOLUTELY CERTAIN you plug it in correctly. It's amazing how some owners will still plug it in upside down and damage the unit even though the white plug from LockZilla is clearly marked "This side up". If you have the slightest doubt, the wire color code is printed on the Receiver Label.

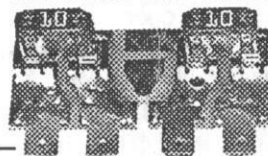
Second 3 Pin plug is for the Optional Door Launch Expansion Controller Module. The Third 2 pin White Plug (included), Plugs into the PCB Socket.

Install Location relay bay**Black Pop Rivets**

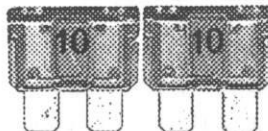
You will observe that there are 2 black plastic pop rivets in the top of the Receiver's box. These are for fastening the optional Door Launch Controller on top & are easily removed.

PCB

Mini ATM Fuse Printed Circuit Board

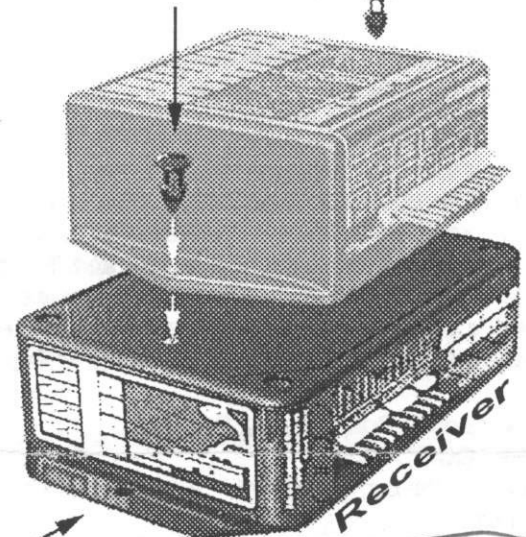


Remove Marker Light Fuses 2 and 8

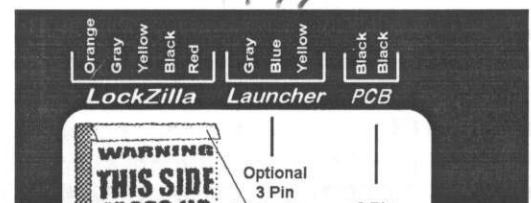
**PCB Installation**

Unplug Fuses # 2 & #8 from the car's fuse box. Replace them with the Custom Made Zilla Fuse PCB. This is a micro Circuit Board that replaces these 2 fuses and serves to rewire the outside Marker Lights. It is IMPORTANT that you double check the PCB to be sure all 4 Terminals are in a perfectly straight line. If a single terminal is bent you might damage your fuse box. The rear of the board is to face the engine compartment. See notice on the board. The 2 Red, 10 Amp ATM fuses on the PCB, face the front of the car. Take extreme caution when installing. Do not damage or otherwise force terminals in the fuse box. Damaged Fuse box terminals CAN NOT BE REPAIRED. The Fuse box cover will now remain off the fuse box. If you feel the need to notch a small hole on the right or rear side bottom edge of the cover to allow the black wire to pass through you will be able to reinstall the cover. However, the fuse box itself runs hot. Leaving the cover off at all times allows better ventilation and may extend the life of some of the fuses prone to meltdown. Further, we don't endorse ANY modification of ANY original DeLorean part. Cover modification is not needed.

Optional Door Launch Controller Mounts on top of Receiver



Mounting Hole Not needed when using the supplied Velcro



5 Pin White Plug From LockZilla

Optional 3 Pin White Plug

2 Pin White Plug

Black 2 wire Cable

NOTE: Any "Ramp or Bump" on the face of ANY white plug should face upward when inserted.

Antenna

Run the antenna (thin black wire) out the rear of the electrical bay and up and over the carpeted wheel cover. It can be tucked between the wheel cover and the vertical carpeted rear wall of the luggage area. Do not cut or splice antenna wire.

2 button Trunk pop
3 button Door Poppers → Yellow = Driver's Door

FYI: LockZilla Cable's 5 Wire Color Code

If you have an older LockZilla and it does not have this 5 Pin White plug on it, call the Factory 843-650-5700 / DeloreanParts.com to arrange to have your LockZilla updated. There is a modest fee for this update.

Older LockZillas require the addition of the 5 wire harness that plugs into the Remote Receiver. 4 Wires from the 5 wire harness attach to the 4 thin 16 gauge wires on the LockZilla harness.

The 5th wire (Yellow) is not connected.

5 WIRE REMOTE HARNESS**9 Wire LockZilla Harness****RED***attaches to***VIOLET****BLACK***attaches to***BLACK****GRAY***attaches to* **BROWN with Gray Stripe****ORANGE***attaches to* **BROWN with Pink Stripe**

YELLOW (No connection / it's for programming new transmitters on the older LZR-1 unit)

Getting NEW Key Transmitters

Replacement Transmitters are available but you need to reprogram the Receiver to recognize the new transmitter(s).

Door Lock Diagnostics

My Door seemed to work OK, but now, sometimes they don't work with the remote.

Why ?

If your car suffers from a weak door lock solenoid or defective (oxidized) bell crank switch (the switch in the lock mechanism that senses lock position) you may have problems.

Weak door lock Solenoids are fairly common. Door lock solenoids are "Fried" by the original DeLorean Door Lock Controllers. Aside from the popularly known ability of the Original Controllers to lock you in or out of the car, they often overheat and slowly destroy the solenoids over time.

If you have the original controller in the car it is likely you have weak or dead solenoid(s).

If either door doesn't close perfectly, the forward or rear latch on the door will not "grab" the striker post properly causing the lock mechanism not to completely lock. It can now become possible for the driver & passenger door locks to get out of step with one another. One side can actually be locked while the other is unlocked. This causes conflicting signals to be sent to LockZilla. **The remote will not work.** Door lock problems **MUST** be corrected for perfect Remote operation. **If you don't carry your door key and only use the Transmitter, it is possible that this kind of door lock problem can lock you out.** A clear test for this problem would be to open both windows, close the doors. Stand outside and use the remote to lock & unlock while peeking in. See which door lock is not locking completely. Find out why.

The Opposite Door Doesn't Respond**PREREQUISITES**

You are IN the car. You can sit in a seat and lock or unlock the door. The door opens and closes perfectly. The same is true for sitting in ~~the~~ other seat.

From the outside of the car, a key will lock or unlock each door fine.

SYMPTOM #1

When you lock or unlock the door you are sitting at, the opposite door doesn't respond properly.

Perhaps it chatters but doesn't fully lock or unlock.

SYMPTOM #2

A second popular symptom for this problem would be a malfunctioning of the Keyless Remote Entry System.

You press the remote to lock or unlock and NOTHING happens. The keyless system is actually fine and the problem is elsewhere.

Typical Problem: BELL CRANK SWITCHES

To locate the Bell Crank switch you must completely disassemble the door. i.e. both upper and lower interior panels must be removed. Describing this disassembly procedure is beyond the scope of this article as it is a bit tricky. The Bell Crank Switch is located in the lower portion of the door. Once the bottom interior panel is removed it will be found near the center of the door.

You will need to clean the contacts of this switch. There is 1 in each door. Both should be cleaned.

Tip / Trick: Sometimes you can "get away" with cleaning only one switch. Often, the switch creating the problem is the one that is opposite the door that is malfunctioning, not the offending door. I really hesitate to suggest this shortcut given that these switches are VERY old and both are in need of cleaning.

CLEANING THE SWITCH

Clean the 3 Copper contacts and Copper wiper plate. It's a 2 position switch. When you find the switch you must remove it and clean it by removing the rivet that keeps the wiper arm in place. This will allow you to rotate it past the contacts and maintain it's "spring like" tension used to keep good pressure on the contacts. Clean the wiper arm contact surface and clean the contacts too.

Then return it back to it's normal position. Replace the rivet with a suitable new rivet. Be certain that the contact friction between the wiper arm and the contacts is sufficient but not overkill or it won't sweep through it's positions evenly enough. Often the "spring like" tension is very poor and in addition to oxidized contact surfaces you lack proper tension. With the wiper arm's rivet removed you can bend it "a bit" to increase pressure. This **MUST** be done with the rivet removed and the arm away from the contacts.

HOW TO CLEAN THE CONTACTS

Cleaning is best accomplished with a metal cleaner called " Tam-X" and is found in Walmart, K Mart, Genovese Drugs etc. This is a VERY efficient cleaner for these contacts & it will clean them to an amazing shine BUT it must be deactivated when you are done. Clean the contacts by dipping a Q-tip in the solution and rubbing the contacts. Deactivate the solution by wetting a fresh Q-tip with water and rub dry.

Operation of Key Fob Transmitters

PAGE 3

To prevent triggering of remote function accidentally, each key requires a press for a specific amount of time. Quick presses will not work. Both Lock and Unlock require a 2 second press. Trunk Pop (2 dots) Requires a 4 second press. Launch Both Doors (3 Dots) requires a 3 second press. To Launch the Driver's door alone press the unlock 2 times NOTE each press should be 2 seconds long.

Marker Lights

The marker lights (also known as the Dim Lights) surround the car. When you press the lock button the Marker lights flash once. Press the Unlock Button and they flash twice then stay on for 30 seconds.

System Features

Building Blocks

The Original LockZilla Door Lock Control Module is the basic building block upon which you can ultimately "Launch" your doors by remote control. The complete system is **Easy to Install**.

The LockZilla Control Module plugs into the Remote Control Receiver. A small Printed Circuit Board (PCB) will replace 2 fuses in your fuse box and, in turn, it will plug into the Receiver. The Receiver will also plug into the 3 pin Harness from the optional "Door Launch" Controller.

All of the connections on the Door Launch Controller will plug into the car's existing wiring.

Door Launch Controller Option:

All Zilla systems are the ONLY ones ever developed for the DeLorean that DO NOT require any electrical or mechanical changes to the car. Previous attempts by Custom Car shops & others have required tearing out the headliner and seriously altering the wiring in both doors. Zilla's Magic uses the existing wiring in the car & doors, keeping it completely original.

Push-button " Key Fob" Transmitter Features

The Zilla Remote Series-2 (model LZR-2), now incorporates additional features. As expected, it will Lock & Unlock both doors, however, it will now Flash all the Marker Lights that surround the car to Visually Confirm the Lock and Unlock Functions. It now also includes a "Car Finder" feature allowing the Marker Lights to flash. While at first thought you might ask yourself, how can you "lose" a DeLorean in a parking lot ? However, it's LOW profile can easily make it disappear at times. You will also find an "Effects Port" on the rear panel of the Receiver. This expansion port is intended to produce high quality sound effects for many of these functions. This is a planned future addition.

Car Finder Feature

Press and hold both - Lock followed by Unlock - for 5 seconds and the marker lights will flash for 1 Minute. Press lock to cancel flash.

Optional Expanded Features of the "Key Fob" Transmitter

With the addition of the Complete Door Launch System, you will gain the ability to open Both Doors or Driver door alone by remote control. You can also add remote Trunk Pop. If you are interested in Trunk Pop please email or call Zilla. ZillaDeLorean@aol.com 843-650-5700

Engine Autostart

is planned as another "plug in" for this system and is intended for either Automatic Transmission or Manual.

All features are accessed by combination button presses from this single remote control Key Fob.

If you are interested in Plug-in Zilla Autostart please email or call Zilla. ZillaDeLorean@aol.com 843-650-5700

Key Fob Features

On each press of a transmitter Lock and unlock Buttons you will hear an audible confirmation beep from the receiver. This indicates that the signal was heard and processed. Remaining 2 buttons will not beep.

There is a battery saver feature built into the transmitter. If a push-button should become activated while in your pocket, it turns itself off after a few seconds, preventing the battery from becoming exhausted. Normal battery life is 1 year and it uses a standard 12 Volt remote battery found nearly everywhere.

This Receiver works with up to 4 Key Fobs.

Security

This is a "State of the Art" code rotating system. Code thieves can not clone the transmitted signal from the air and access your car. It's just NOT possible, period !

Range

The range runs up to a few hundred feet depending upon terrain and possible Radio Interference Conditions. It's possible that a key transmitter in your pocket can press against an object and unlock or even open a door(s). Although it's unlikely, it's possible. It's wise to keep this in mind. Range is affected by how you place the antenna wire. Keeping it low keeps the range low. Conversely, straight & vertical gives the best range. DO NOT cut the antenna wire or trim it's length. This will adversely affect the receiver.

DO NOT ATTEMPT to reprogram this unit without a valid reason

The system has been sent pre-programmed.

PAGE 4

Re-Programming the Receiver for a New Transmitter

ONLY Re-Program when a transmitter is replaced or if 1 or both transmitters fails to operate.

First be certain that the Receiver has Power (+12Volts). The 5 Wire Plug coming from LockZilla contains a Red wire (+12Volts) and a Blk Wire which is the Ground. Use a Test Lamp or a VOM (Volt Ohm Meter set to DC) and check for power between these 2 wires.

NEW FIRST TIME INSTALLATIONS

On some older LockZillas there is no 5 wire expansion plug. On occasion owners have used "wire taps" sometimes known as "3M Scotch Blocks" to tap into the LockZilla harness. This has often been found to be unsuccessful and results in a seemingly Dead Receiver.

We no longer recommend this. Return the LockZilla to the Factory for an update. The Fee is minimal.

On a rare occasion the Key Fob Transmitter(s) can go dead....

If the LED lights up on the transmitter when the button is pressed, the transmitter is probably OK. If you are sure the Receiver has power and yet the Receiver doesn't beep when the Lock or Unlock Buttons on the transmitters are pressed, you may have a case of "Lost loop". While this is RARE, it is possible. Your 2 Transmitters (system will work with a maximum of 4) are programed at the factory. They are "locked" together with a complex "Rotating Code Loop". This is done for security. No unauthorized transmitter will work without reprogramming. If one or both transmitters fall out of loop, reprogramming is in order.

IMPORTANT NOTE BEFORE YOU ATTEMPT TO REPROGRAM THE UNIT:

If you do not follow the programming sequence EXACTLY as outlined in the following procedure you can throw the unit completely OUT OF WHACK. This is because, the same buttons you will use to do the reprogramming **we** also use to "educate" the "Smart Chip" with an embedded instruction set. This teaches the receiver how to operate. If you do a sloppy programming job you might make your receiver become "brain damaged". The embedded instruction set can be reprogramed, but is beyond the scope of this manual and will need to be returned to the Factory. PLEASE BE CAREFUL !

Reprogramming the Keyfob Transmitters

Be sure to read above notice

There are 2 small push-buttons on the bottom of the receiver. They are hidden under the white label. Use your finger-nail to carefully poke through the paper and completely remove the paper circles. Don't use a blade or you could damage the unit.

INITIALIZATION (This clears the "Brain" and prepares it for programming)

It's a good idea to practice this entire sequence with the receiver unplugged as a dry run in order to get good at it. It's only easy **after** you've done it a few times. If the beeps are not heard exactly as described, STOP. You are not following the routine exactly. Release all buttons and allow the unit to sit for 5 minutes and it will reset itself automatically.

Have both (up to 4) Transmitters in reach. Plug in Receiver. Only the 5 pin plug is needed to reprogram.

- 1 Press and hold "B" for the entire INITIALIZATION PROCESS (steps 1-4)
- 2 When you hear 2 beeps (in about 5 seconds), continue to hold "B" and Press "A". Continue to hold "A" & "B".
- 3 When you hear 2 more beeps (in about 5 seconds) let go of "A" while still holding "B".
The instant you let go of "A" you will hear 1 more beep.
- 4 Now release "B". You will not get another beep.

The Receiver "Brain" is now ready to be Programed

FOR THE DURATION OF THIS PROGRAMING YOU MUST PRESS AND HOLD BUTTON "A". DO NOT LET IT GO FOR ANY REASON DURING THIS PROGRAMING EVENT. DO NOT PRESS BUTTON "B" UNLESS "A" IS BEING HELD. If you should accidentally let go of button "A" during the programing let the machine "rest" for 5 minutes and it will reset itself.

- 5 Press and Hold "A"
- 6 Within 5 seconds of Pressing "A" and while still holding "A" press "B" 5 times. You will hear 1 short beep.
- 7 Press "B" once more. You will hear 1 beep followed by 2 short beeps.
- 8 Within 10 seconds press the lock button on the first transmitter.
You will hear 1 acknowledgment beep followed by a second single beep indicating the total number of transmitters "learned".
So far one transmitter.
- 9 Within 10 seconds press the lock button on the second (next) transmitter. You will hear 1 acknowledge beep followed by 2 beeps indicating the number of transmitters "learned". Now there are 2 Transmitters.
- 10 For more transmitters continue this process.
- 11 When done release button "A".
Within 5 seconds you will hear 2 beeps which indicates that the receiver has automatically ended the program.

Check both Transmitters to confirm that they work normally again. If not, your timing wasn't quite right. Take the time to "rehearse" it. Try Programing it again. Timing is everything.

Supporting Future Product Development

It is with sincere and tireless efforts that we were able to develop this product for the car we love so much.

In order to continue to develop other products like this, we need your continued support.

Whether it comes in the form of passing the word to fellow owners or treating yourself to other Zilla Products.....

We appreciate it.

Zilla products are the result of the efforts of a handful of perfectionists who "work like the dickens" to make it happen.

We hope you enjoy your New Keyless Entry System.

It's intended to last a real long time.

You bought Zilla, so you can Expect The Best. That's our goal.

Zilla is a trademark of Netcom Digital Corp

