

# United Auto Security®

Keyless Entry for Mercedes-Benz

MB-V-K2-BT

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Owner's / Installation Guide

**United Auto Security**

**4 Vernon Lane**

**Elmsford, NY 10523**

**1-800-322-0292**

**[sales@uaskeyless.com](mailto:sales@uaskeyless.com)**

## LIMITED 12-MONTHS WARRANTY:

United Auto Security® warrants that its systems and the component parts thereof, will be free of defects in workmanship and materials of period of 12-months from the date of first consumer purchase. If your product malfunctions, you will need to contact the customer care center to obtain authorization for a repair. Then you will mail your system per the instruction provided by our customer care team.

United Auto Security® will, without charge, repair or replace, at its option, defective systems, products, or component parts upon delivery to the Returns Department, accompanied by proof of the date of first consumer purchase, such as a duplicated copy of a sales receipt.

You must pay any initial shipping charges required to ship the product for warranty service, but the return charges will be at United Auto Security® expense.

Exclusions: This limited warranty does not apply:

- To any product damaged by accident.
- In the event of misuse or abuse of the product or because of unauthorized alterations or repairs.
- If the serial number has been altered, defaced, or removed from the back of the module.

All implied warranties, including warranties of merchantability and fitness for a particular purpose are limited in duration to the length of this warranty.

United Auto Security® shall not be liable for any incidental, consequential, or other damages; including, without limitation, damages resulting from loss or cost of installation.

## PRODUCT SERVICE:

If you have any questions about operating or installing this United Auto Security® product...Please contact our technical support team directly.

If this product should require factory service, please contact United Auto Security® E-Mail [support@uaskeyless.com](mailto:support@uaskeyless.com) BEFORE sending the product. This will ensure the fastest turn around time on any repair.

If your system is under warranty, it will either be repaired or replaced upon receipt. If your system is out of warranty, you will receive a letter informing you of the repair or replacement charge.

**United Auto Security**  
**Tech Support RA # \_\_\_\_\_** (RA# provided by technical support team)  
**4 Vernon Lane**  
**Elmsford, NY 10523**  
**USA**

## WHAT IS INCLUDED:

- Keyless unit.
- 2 Remote transmitters.
- Wiring harness.
- Red LED.
- Installation kit.
- Manual.

## IMPORTANT INFORMATION:

*Congratulations!* You have made a smart choice by purchasing a Keyless Entry System for your Mercedes-Benz vehicle from United Auto Security.

This system provides Keyless Entry as well as many convenient features that will improve your vehicles security. This system is designed and built to give you years of trouble-free performance. However, if you experience a problem of any kind, please contact our technical department directly. You can reach us at [tech@uaskeyless.com](mailto:tech@uaskeyless.com) or **1-800-322-0292**.

**SYSTEM MAINTENANCE:** The system requires no specific maintenance. These remotes are powered by two small; lightweight 3-volt lithium batteries (CR2025) that will last approximately one year under normal use. When the battery begins to weaken, operating range will be reduced and the LED on the remote will dim.

**FCC:** This device complies with Part 15 of FCC rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesirable operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.



## TOOLS REQUIRED:

- Flat Head and Philips Screw Drivers.
- Common Tools.
- Electric Tape.
- Voltmeter.
- Drill and 5/16" (8mm) diameter bit.

*\*\*\*Note 1: Please be aware that some Mercedes-Benz Radio has a lock up security code. Avoid disconnecting the Battery if you do not have the unlock code.*

*\*\*\*Note 2: Earlier models (built before '85) might require an actuator to be installed in the driver's door - NOT included in this kit. To find out if your Benz needs an actuator: lock / unlock using your key in the passenger's side door, check if the driver's door is locking / unlocking when doing so. If the driver's door is not responding, then you will need an actuator.*

## USING YOUR KEYLESS SYSTEM:



To lock the vehicle, press the lock button (1) on your transmitter once. The system will lock the doors and trunk. The parking lights will flash once and the LED will turn “on”. If the Green wire negative (-) output is connected to a window module it will become active for 30 seconds.



To unlock the vehicle, press the unlock button (2) on your transmitter once. The system will unlock the doors and trunk. The parking lights will flash twice and the LED will turn “off”.



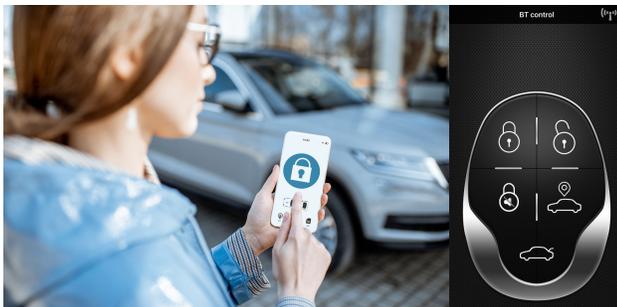
If the Red/Yellow wire positive (+) output is used to activate other accessories, such as a trunk opener unit, remote start add-on unit, etc. If connected, then press the ACC button (3) on your remote for 2 seconds to activate that accessory. The parking lights will flash three times.



To activate the car finder, press the Lock button twice. This will flash the parking lights 3 times.

**\*\*\* To program a new remote or to erase a lost remote, press the Code Learning button on the front of the keyless module for 2 seconds then press the lock button on the new remote.**

**\*\*You can program up to 3 remotes. Make sure to re-program all the remotes that you have at the same time.**



**\*\*\*\*\* To program your smart phone via Bluetooth. First download the APP “BT Control” by Lifestyle on your phone. Then go to your phone settings and make sure you have the Bluetooth turned “ON”. Press the code learning button on your UAS keyless module for two seconds, then press the lock button on the phone screen to sync. Now you can enjoy using the APP as your remote.**

**Installation under the Back Seat at the vacuum pump: .....(Trunk Install PG. 8)**

- Remove the rear seat bottom by pushing on the red tabs and lifting the seat forward. The rear seat should be pulled out towards the front seats.



- Remove the carpeting on the right (passenger's) side to gain access to the door locking vacuum pump. The pump is encased in a foam mold. Remove the pump from the foam mold by sliding the foam enclosure rearwards until it is free. Open the enclosure and slide away from the pump.

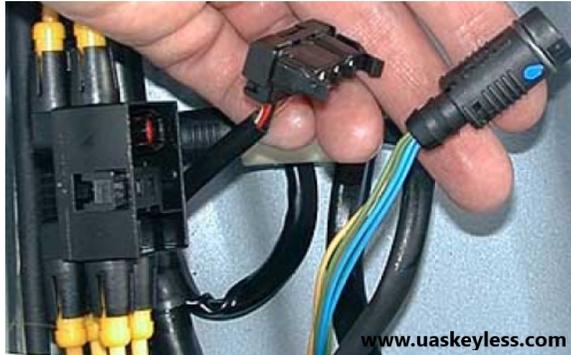


- Pry up on the retaining clip that holds the vacuum supply lines to free vacuum line connector from the pump. This will give you easier access to the pump since there is truly little slack in the vacuum lines. Be incredibly careful not to break this clip.



### KEYLESS WIRING UNDER THE BACK SEAT:

- Unplug the round and rectangular plugs from the pump.



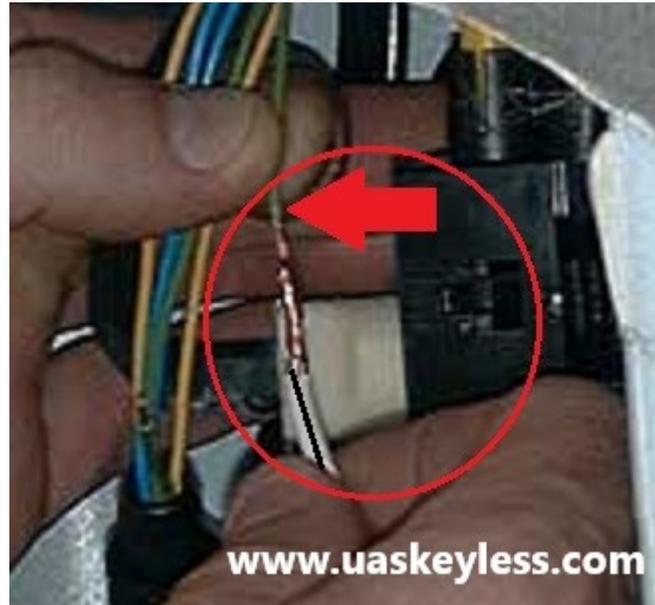
- Find the 2 green wires on the round connector. It depends on the pump your Benz has, you might have a duplicate wire colors, that is why the next step is important. Pick one of the green wires and check to see if it is the correct wire using the voltmeter.  
\*\*\*Be careful not to ground the green wire directly otherwise you will blow a fuse. The fuse box is under the hood.



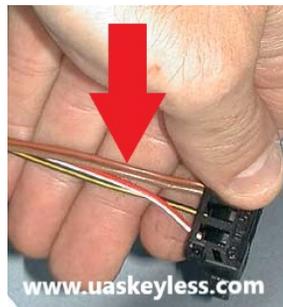
- With the doors in the unlocked position, connect the voltmeter's Red probe to the Green wire and the Black probe to ground. If this is the correct wire your voltmeter will read approx 12 volts, and 0 volts when locked. If you only get about 9 volts it is the wrong wire, try the other Green wire. Once confirmed, cut the Green wire in half about 3" away from the round connector.
- Connect the **White** wire from the keyless harness to the **Green wire side closer to the vacuum pump**, using the supplied Heat Shrink with Solder connector.



- Connect the **White/Black** wire from the keyless harness to the **Green wire side away from the vacuum pump**, using the supplied Heat Shrink with Solder connector.



- **Black Wire:** Connect this wire to **Ground** (Vehicle Frame Directly using the supplied self-tapping screw) or **Brown wire @ the Rectangular plug**.



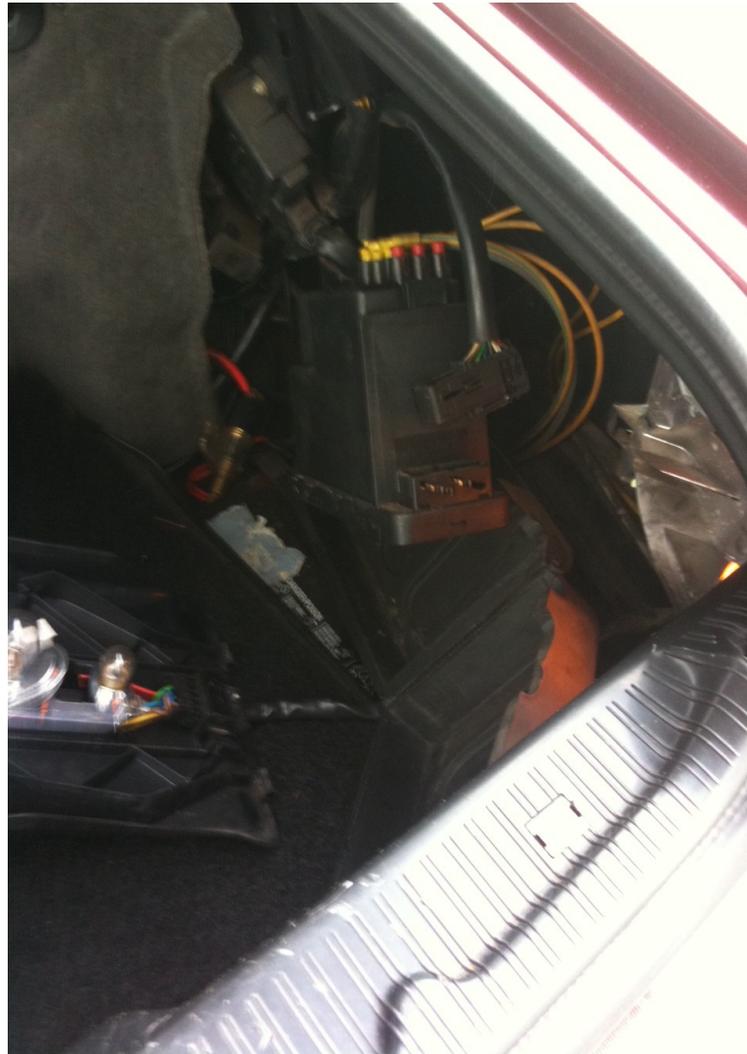
- **Red Wire:** Connect this wire to the **+12V Constant** or **Red/White wire @ the Rectangular plug**.



- Find a location to mount the keyless module. The keyless module is to be mounted using wire ties.
- Stretch the Yellow antenna wire from the keyless module as straight as possible for better remote distance range. It can be held straight using a wire tie. **(Continue to PG. 10)**

### **Installation at the Vacuum Pump inside the Trunk on the Right:**

- Open the trunk and remove the right hand-side taillight assembly by turning the clips (same as if you are changing the light bulbs).
- Remove the carpet that covers the right-hand side area to gain access the battery compartment and the vacuum pump located inside the rear fender.
- The pump is encased in a foam mold. Remove the pump from the foam mold by sliding the foam enclosure rearwards until it is free. Open the enclosure and slide away from the pump.
- Unplug the rectangular plug from the pump by sliding the clip to the side and pulling on the plug upwards.





- Use a utility knife and carefully cut the black sleeve on the wiring harness to expose the wires.

#### **KEYLESS WIRING INSIDE THE TRUNK:**

- Cut one of the Green wires in half about 3" away from the rectangular connector.
- Connect the **White** wire from the keyless harness to the **Green wire side closer to the vacuum pump**, using the supplied Heat Shrink with Solder connector.
- Connect the **White/Black** wire from the keyless harness to the **Green wire side away from the vacuum pump**, using the supplied Heat Shrink with Solder connector.
- **Black Wire:** Connect this wire to **Ground** (Vehicle Frame Directly using the supplied self-tapping screw).
- **Red Wire:** Connect this wire to the **+12V Constant** or **Red/Green** wire @ the Rectangular plug.
- Find a location to mount the keyless module. The keyless module is to be mounted using wire ties.
- Stretch the Yellow antenna wire from the keyless module as straight as possible for better remote distance range. It can be held straight using a wire tie.

## Parking Lights (optional):

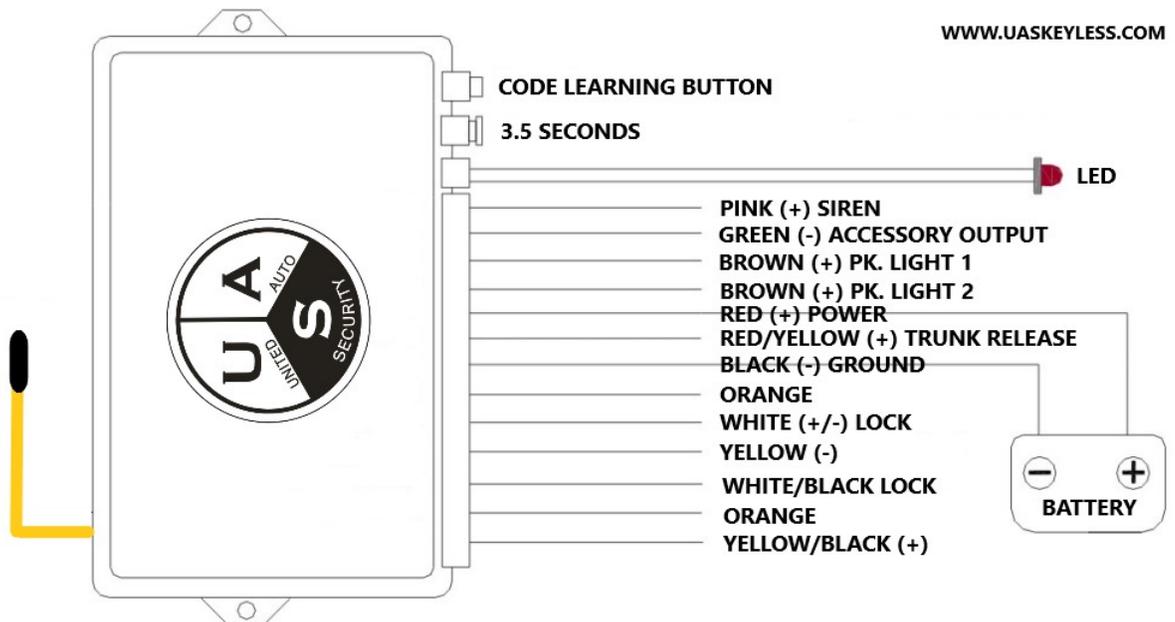
### \*\*\*Note:

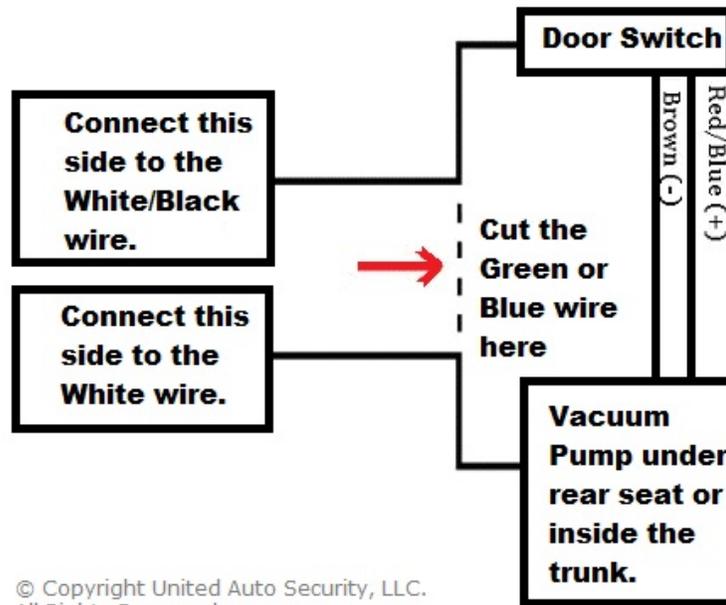
1. If you connect to the parking lights at the light switch use both wires.
2. If you choose to connect to the hazard light switch, then use only one Brown wire. Longer 18-22AWG wire may be needed.
3. If you prefer to connect it to the taillight harness, connect one of the Brown wires to the right-side (**Grey/Red (+)** wire Pin #6). Always check to make sure this is the correct wire before connecting using a wire tester or voltmeter. It should show (+) voltage when the parking lights are turned on.

- **Brown Wire #1:** Parking Light output (+) trigger. Connect this wire to the Parking Light Wire (**Grey/White** wire Located @ the light switch) using the supplied tap-in connector). Or you can also connect it to the **Grey/Blue** wire Located @ the Hazard Light Switch.
- **Brown Wire #2:** Parking Light output (+) trigger. Connect this wire to the Parking Light Wire (**Grey** wire Located @ the light switch) using the supplied tap-in connector).

## Auxiliary Outputs (optional):

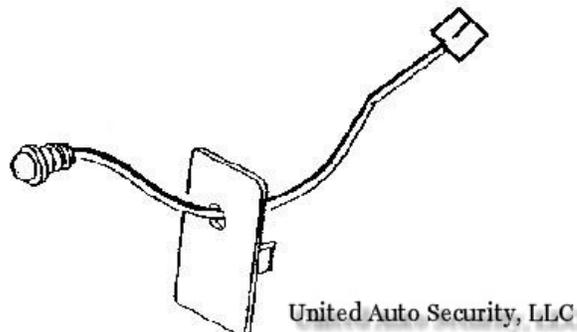
- **Pink Wire:** Siren wire output with Positive (+) trigger.
- **Green Wire:** This accessory wire sends out a ground (-) signal for 30 seconds. It can be used to activate a window module upon locking, or to arm the factory alarm\*\*\* (additional relay and wiring harness will be required for the alarm disarm function).
- **Red/Yellow Wire:** This accessory wire sends out a positive (+) signal. It can be used to activate a Trunk release module upon pressing and holding the ACC button (3) for 2 seconds.





#### LED Installation (Optional):

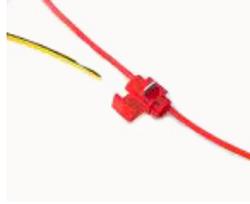
- The LED is mounted on one of the knockout panels located on the center console. Or it can be mounted next to the headlight switch.
- Select one of the knockout panels and push-out from the underside.
- Locate and mark the center of the knockout panel for LED mounting.
- Drill a 5/16" (8mm) diameter hole for LED installation. (If you use the 5/16" it may be a little tight fit).
- Install LED in knock out panel by routing the LED plug into the drilled hole on the free tab. Make sure that when the LED is fitted into the hole, it should be facing the outside of the tab.
- Route LED wire to the keyless module. Plug the LED into the 2-pin plug located on the side of the unit.



NOTE: Should the LED fit loosely into the drilled hole, it can be secured in place with a carefully applied drop of "super glue" (not supplied in kit) applied on the backside of the knockout panel.

## TAP-IN CONNECTORS:

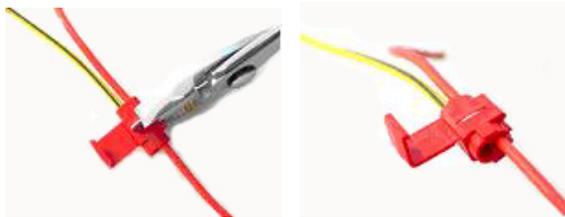
- Attach the connector to the wire needed to be tapped into (as shown below). Make sure it is on the outside channel:



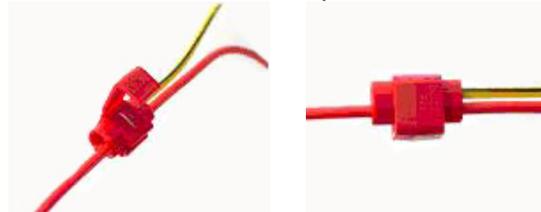
- Cut the tip of the wire from the accessory harness about 1/2 inch or 1 cm. to ensure good connection. Then insert it into the inside channel of the connector as far as possible (as shown below):



- Use a pair of pliers to press firmly onto the metal part until it is flush with the plastic portion.



- Close the plastic cover for a clean and professional installation.



## FINAL STEPS:

- ✓ After the keyless system checks out as fully functional, route and wire tie cables and harnesses as neatly as possible. Wedge the keyless module and the wiring harness in a secure area and hold it in place using wire ties.
- ✓ Position the keyless fuse (15 Amp ATC blade type) in such a way that is hidden from view but accessible for service.
- ✓ Reinstall the rear seat and/or carpeting, etc.

## TROUBLESHOOTING GUIDE:

Symptoms	Causes	Countermeasures
<p><b>The parking lights flash when the lock button is pressed, and the relays click inside the unit but the lock does not respond.</b></p>	<p>Lock wires not connected properly. Since the vacuum system has 3 activation wires, try the one that works best: Green is for the Passenger's door, Blue is for the Driver's door, and Yellow is usually found at the Trunk.</p>	<ul style="list-style-type: none"> <li>✓ Check the White and White/Black wires from the keyless harness to be connected properly to the Green wire from the Vacuum pump.</li> <li>✓ Check the Red/Blue or Red/White wire to have +12V constant on the Rectangular plug of the pump. If these wires do not show +12V then simply run a wire from the battery.</li> <li>✓ Try a different lock wire, Blue or Yellow.</li> </ul>
<p><b>The system locks the doors and trunk, but the vacuum pump still runs for about 40 seconds.</b></p>	<p>Vacuum leak.</p>	<ul style="list-style-type: none"> <li>✓ Check for leaks or hissing sound especially around the doors, trunk, and gas door. The hoses or connectors may need to be changed.</li> </ul>
<p><b>System connected but does not respond.</b></p>	<p>No power going to the system.</p>	<ul style="list-style-type: none"> <li>✓ Check the Red +12V wire for proper connection.</li> <li>✓ Check the fuses on the wiring harness.</li> <li>✓ Use a voltmeter to check the Red/Blue or Red/White wires for +12V constant.</li> <li>✓ Check the Black wire for good ground (chassis) connection.</li> </ul>

For further troubleshooting, please contact our tech support team:  
[support@uaskeyless.com](mailto:support@uaskeyless.com)