



RES126VX Troubleshooting Guide

- 1) Start by testing the receiver with the vehicle's engine in the OFF state.
- 2) Make sure the receiver is getting power. The receiver will beep within a couple seconds of being powered up. If not, follow the steps below.
 - a. For receivers running off of the vehicle's battery
 - i. Check the connections to the vehicle battery.
 - ii. Check the fuse on the power wire near the battery.
 - b. For receivers running off of the 4-AA battery pack
 - i. Check that the power switch is set to ON
 - ii. Check the voltage of the batteries at the end of the 2-pin connector. It should be 6 volts DC. If not, replace the batteries.
 - c. Check the 2-pin power connector
 - d. Check all crimp locations for improper crimping.
 - e. If you have a volt/ohm meter (multi-meter), set meter to DC Voltage and probe the red and black RES126VX wires near the receiver. Voltage should read between 6 and 14V DC.
 - f. If you hear one long continuous beep, it means that the receiver is not programmed with a transmitter. Press and release the LOCK button on the transmitter. Wait for a beep confirmation. Then press and release the UNLOCK button on the transmitter. The receiver will beep twice to confirm programming. Power cycle the receiver and test again.
- 3) Check that the remote transmitter is functioning.
 - a. Press the LOCK and UNLOCK buttons, the red light on the remote should flicker while the button is pressed.
 - b. If the red light does not light up then:
 - i. Check that the battery is positioned properly in the remote
 1. Remove the small Philips screw on the back of the remote and unsnap the remote body open.
 - ii. Check the battery voltage with a voltmeter. It should read about 12V.
 1. Replacement batteries are available on our website or at electronics retailers. The battery is a GP27A.
- 4) Check that the transmitter activates the receiver.
 - a. With the vehicle's engine off, press a button on the remote.
 - i. A beep and/or clicking should be heard from the receiver when the remote's LOCK and UNLOCK buttons are pressed.
 - ii. If you put your hand on the receiver, you can feel the relay being activated/deactivated when the transmitter's LOCK and UNLOCK buttons are pressed.
 - b. If the transmitter does not activate the receiver:
 - i. Was the remote supplied with the receiver?
 1. Yes – This may be a faulty unit. You can try to reprogram the remote transmitter to the receiver and/or contact techsupport@3built.com for further information.
 2. No – Has the receiver been programmed to accept the new remote? If not, follow the instructions supplied with the remote
 3. Transmitter programming instructions can be found at <https://3built.com/pages/support>

5) Range Issues

- a. Make sure the remote's antenna is extended all the way.
- b. Check the receiver's antenna wire
 - i. Make sure it is fully extended and as straight as possible.
 - ii. Make sure that the antenna is away from the spark plug wire and coil.
 - iii. Make sure the antenna is not touching any other metallic object.
 - iv. Attempt moving the location of the receiver.
- c. Test range with the engine off and then with the engine on. If there is a significant difference, the ignition system is probably generating too much radio frequency noise.
 - i. Resistor type spark plugs can significantly improve range issues at higher RPMs.
 - ii. Check the spark plug wire for cracking or other damage.
- d. Test the vehicle in a different geographic location.
- e. If no improvements can be found, contact techsupport@3built.com

6) Other issues

- a. If the engine is running and you are hearing many beeps without pressing the buttons on the transmitter, you likely have a bad power connection that is causing the receiver to be turned on and off continuously.
- b. If the receiver is responding to the transmitter but the engine is not being shut off, you might have a bad connection the vehicle. Please check the wiring diagram for the vehicle to be sure the correct wires have been selected.
 - i. A good method for checking the wiring to the vehicle is to disconnect the RES126VX and use a toggle switch instead. If a toggle switch can shut off the vehicle, then the RES126VX should work too. (If you do not have a toggle switch, a piece of wire that can be held in place momentarily should work too.)