



## RES126VX Troubleshooting Guide

- 1) Start by testing the receiver with the vehicle's engine in the OFF state.
- 2) Unplug the 2-pin connector for 5 seconds. This is important because you need to be sure the receiver is not in Automatic Power-down mode.
- 3) After re-connecting the 2-pin connector, 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.
- 4) 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.
  - c. Check the battery voltage with a voltmeter.
    - i. Press the Lock button for about 3-5 seconds. This is necessary to remove the float voltage.
    - ii. Open the transmitter and measure the battery voltage. It should read about 12V.
    - iii. If voltage is below 10.5 then replace the battery. Replacement batteries are available on our website or at electronics retailers. The battery size is a **GP27A**.
- 5) 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](mailto: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>

#### 6) 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](mailto:techsupport@3built.com)

#### 7) 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.)