



RES12VX Trouble Shooting Guide

- 1) Make sure the receiver is getting 12V DC power. The receiver will beep within a couple seconds of being powered up. If not, follow the steps below.
 - a. Check the connections to the vehicle battery.
 - b. Check the fuse on the power wire near the battery.
 - c. Check the power connector
 - d. Check all connections and power connector.
 - e. Check all crimp locations for improper crimping.
 - f. If you have a volt/ohm meter (multi-meter), set meter to DC Voltage and probe the red and black RES12VX wires near the receiver. Voltage should read near 12V DC.
- 2) 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.
- 3) 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>
- 4) 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. Resistor type spark plugs can significantly improve range issues at higher RPMs.
 - d. Test the vehicle in a different geographic location.
 - e. If no improvements can be found, contact techsupport@3built.com