Solidremote TX134 Dual-Mode RF Transmitter Manual

Solidremote TX134 4-button dual-mode RF transmitter is the latest addition to our transmitter product line, it features switchable dual-mode that works with both 2nd generation 20X series receiver using traditional rolling code technology and 4th generation 40X series receiver using TrioAES 433 technology.

Quick Operation Guide

There are 4 buttons on TX134 transmitter, each button can be assigned to one separate function (such as control different channel on single or multiple receivers). Customer need to refer to receiver's manual for programming and other instructions since actual implementation may vary on different receiver models.

Operating Modes

Traditional Mode – Compatible with our 2nd generation 20X series receiver manufactured since 2011 (such as 202U receiver), transmitter works on single frequency and codes are encrypted using traditional rolling code algorthium.

TrioAES Mode – Compatible with our 4th generation 40X series receiver manufactured since 2017 (such as 402U receiver), transmitter hops between 3 predefined frequencies to avoid common narrow-band interference and transmitted data codes are under protection by AES encryption algorthium.

Identifying Current Operating Mode

Current operating mode can be identified by observing LED indicator when any transmitter button is pressed, please make sure the battery installed is not flat during observation, because flat battery will change LED flashes, which makes identification more difficult.

<table>
<tr><td colspan="3" align="center">**LED status when button pressed**</td></tr>
<tr><td></td><td>Battery Normal</td><td>Battery Flat</td></tr>
<tr><td>**Traditional Mode**</td><td>Always on</td><td>Flashes</td></tr>
<tr><td>**TrioAES Mode**</td><td>Flashes</td><td>Flashes more quickly than left</td></tr>
</table>

According to above table, the current operating mode can be easily identified by observing LED status when battery is at normal voltage level, LED will be *always on in traditional mode*, while LED will *flash in TrioAES mode*.

⚠ WARNING! When press transmitter button in above steps, please note the receiver will respond if the button is already programmed in, which may cause unexpected consequences (such as door closing when people standing in the way), to avoid this, please turn off power to receiver first or disconnect receiver from control target before carrying above steps.

Change Operating Mode / Change Batteries

Since switching current operating mode involves similar steps for changing batteries, so we combined both instructions as below.

1. Open transmitter case, this can be done using a utility knife or cutter knife to pry each side open at the seam, be careful with sharp blades when doing this.

2. Remove the battery from transmitter battery holder.

3. If you would like to set transmitter in TrioAES mode, then press and hold C button position (the round metal dome with K2 printed beside it), otherwise don't press any button if you would like to set transmitter in traditional mode.

4. Insert the battery again into transmitter battery holder, button should be kept same state as step 3.

5. When battery is fully inserted, release all buttons, then you can observe LED status by press any button (round metal dome) on transmitter.

6. If LED shows correct flash status as anticipated according to above table, then put back the transmitter case, otherwise please repeat above

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steps 2-5 _pay special attention to steps 3-4_ or try change new battery if it still doesn't work after several attempts.

⚠ When change new batteries, pay attention to steps 3-4 above to retain required working mode, or transmitter working mode maybe unexpectedly changed and no longer triggers current receiver, carry above steps again when that happens.

Technical Specifications

Power Supply: 3V DC - CR2032 lithium battery

Frequency: 433.92MHz OOK +/-65kHz under 0°C to 70°C (Traditional Mode)

433.22MHz / 433.92MHz / 434.62MHz FSK with 50kHz deviation (TrioAES Mode)

Range: 50 - 150m with aerial tuned in free space (typical value, actual range may vary greatly)

Temperature Rating: -4°F to 131°F (-20°C to 55°C)

Button: 4 Channels

Weight: 0.56 ounces (16g)

Physical Size: 2.24"L x 1.26"W x 0.47"H (57mmL x 32mmW x 12mmH)

Special Notice

The descriptions and illustrations contained in the present manual are not binding. Solidremote reserves the right to make any alterations deemed appropriate for the technical, manufacturing and commercial improvement of the product, while leaving its essential features unchanged, at any time and without undertaking to update the present publication.

Solidremote Technologies Limited

FCC STATEMENT :

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.