

TACTIC™

TTX850 Radio Mode Changes

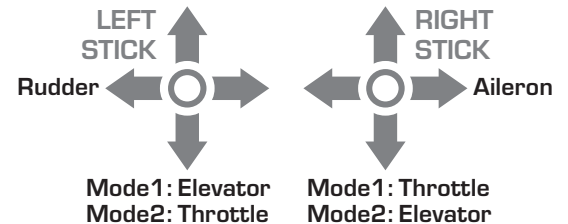
The TTX850 can be set to any stick mode from 1, 2, 3, or 4. These instructions describe how to change the stick mode on the Tactic brand TTX850 transmitter between mode 2 and mode 1. Changing modes requires mechanical adjustments inside the transmitter and electronic configuration changes. Failure to follow these instructions properly can result in permanent damage to the Tx and void the warranty. Contact Hobby Services if you do not feel comfortable making such adjustments without damaging the radio.



For safe operation and best results, it's strongly recommended to read these instructions completely before use.

Most radios for use in the United States are produced with stick mode 2 configuration. The diagram here shows the difference between modes 2 and 1. The locations of the aileron and rudder controls are the same for radios on mode 2 and mode 1. However, the locations of the throttle and elevator controls will alternate when changing between mode 2 and mode 1. Throttle is on the left stick for mode 2, but on the right for mode 1.

NORMAL STICK CONFIGURATIONS



ELECTRONIC STICK MODE CHANGE – MODE 2 TO MODE 1

Follow these steps to change the radio's electronic configuration from mode 2 to mode 1:

1. With charged batteries inside the Tx, start with the Tx power switch in the OFF position.
2. Press the ENTER button on the bottom right and HOLD in this position.
3. Turn the Tx power switch to the ON position. Once the System Setup menu shows, the ENTER button can be released.
4. Press the ↓- button to move the cursor next to the STICK MODE selection.
5. Press ENTER then the ↓- button to change the selection to "MODE1". Press ENTER again.
6. Press ESC to exit the System Setup menu.
7. With the transmitter linked to a Tactic receiver and servos connected to channels 2 (elevator) and 3 (throttle), make sure both the stick and trim controls were swapped for the throttle and elevator controls.
8. If the controls for the throttle and elevator channels did not alternate, repeat steps 1-6 above.



ELECTRONIC STICK MODE CHANGE – MODE 1 TO MODE 2

Follow these instructions to change the radio's electronic configuration from mode 1 to mode 2:

1. With charged batteries inside the Tx, start with the Tx power switch in the OFF position.
2. Press the ENTER button on the bottom right and HOLD in this position.
3. Turn the Tx power switch to the ON position. Once the System Setup menu shows, the ENTER button can be released.
4. Press the ↓- button to move the cursor next to the STICK MODE selection.
5. Press ENTER then the ↑- button to change the selection to "MODE2". Press ENTER again.
6. Press ESC to exit the System Setup menu.
7. With the transmitter linked to a Tactic receiver and servos connected to channels 2 (elevator) and 3 (throttle), make sure both the stick and trim controls were swapped for the throttle and elevator controls.
8. If the controls for the throttle and elevator channels did not alternate, repeat steps 1-6 above.

MECHANICAL STICK MODE CHANGE



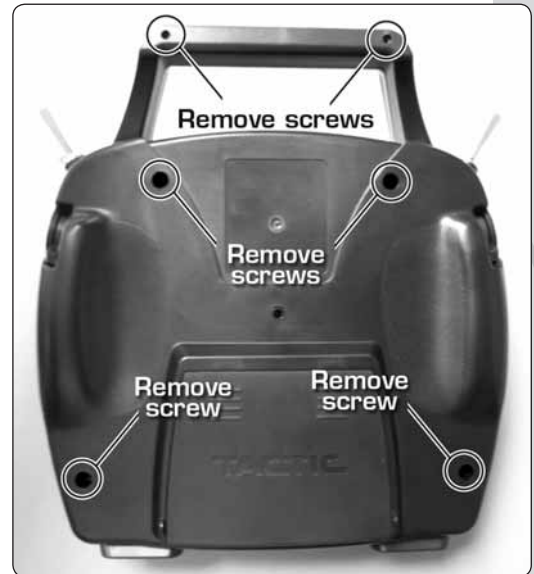
WARNING! Mechanical alterations on the Tactic TTX850 radio requires opening the transmitter case. Failure to follow all instructions below can result in permanent damage to the transmitter and void the warranty. Contact Hobby Services if you do not feel comfortable that you can safely and accurately perform these steps.

Case Separation and Disassembly



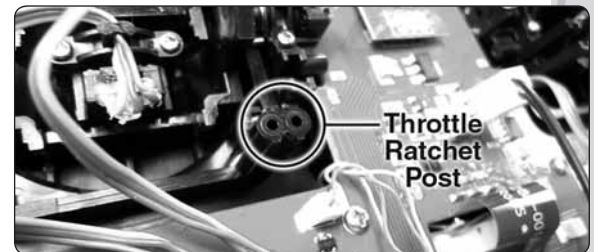
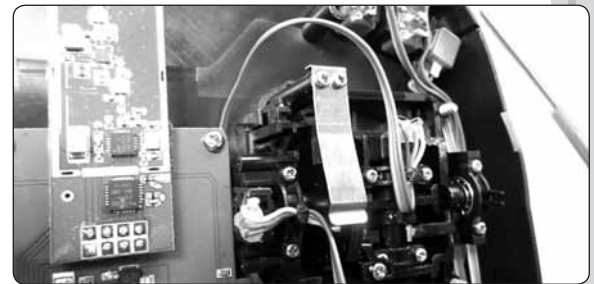
1. Make sure to first disconnect the battery from the battery compartment! Failure to do so could result in permanent damage to the radio and void the warranty.

2. Remove the six screws from the back of the Tx case. Put the screws in a safe place for later use.
3. Carefully separate the case rear away from the case front and note exactly how all wires are routed inside the case. Taking a picture of the wires in place may be helpful for re-assembling the case later. Do not disconnect wires from the pc board.
4. Carefully lay the radio face-down on a soft non-abrasive surface, with the case rear opened to expose the inside of the radio.



Throttle Ratchet Bar

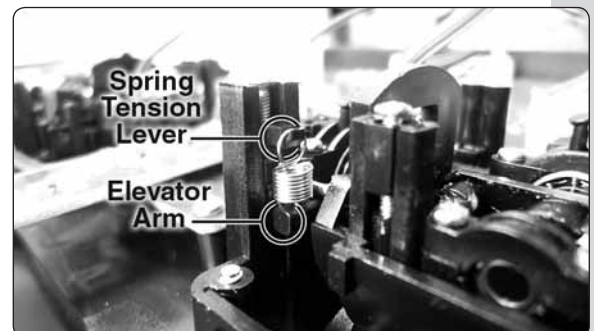
1. A long metal bar will be installed vertically across the rear of one gimbal. This bar provides resistance and a ratchet feel for the throttle control. Note the small detent at the end of the bar. The tip of this detent points towards the gimbal. Two mounting screws hold the bar into place. Remove both screws and the ratchet bar from this gimbal.
2. Position the throttle ratchet bar onto the mounting post for the opposite gimbal, making sure the detent in the bar points at the gimbal.
3. Insert both mounting screws. Do not over-tighten or cross-thread the screws.

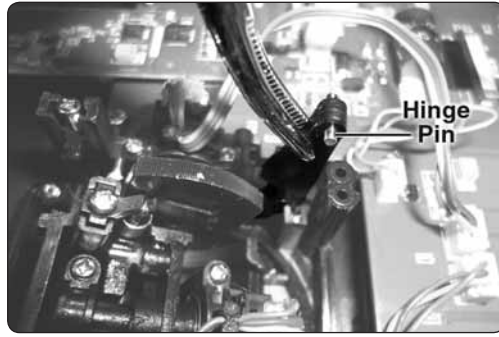
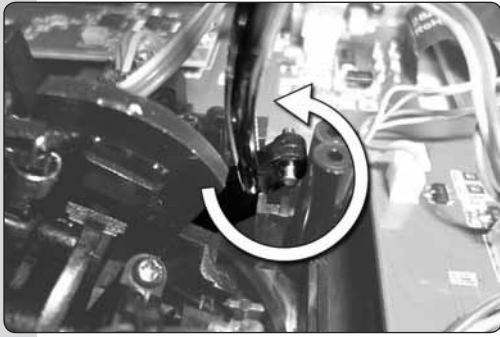


Elevator Arm and Spring Removal

The gimbal now with the metal throttle ratchet bar will still have a plastic arm and spring for the vertical movement of the stick. The arm and spring must be removed from this gimbal and moved to the other gimbal.

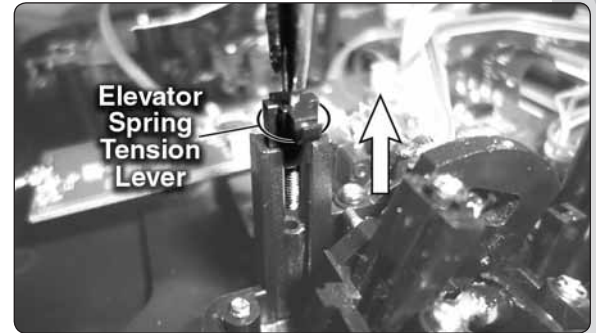
1. With a pair of hemostats or needle-nose pliers, carefully grasp the loop end of the spring and slide it off the spring tension lever.
2. Lower the spring to slide the opposite loop end off the black plastic elevator arm located downward inside the gimbal assembly. Set the spring aside.





3. Grasp the hinge end of the plastic elevator arm near the hinge point. Carefully rotate the arm counter-clockwise as shown and lift to slide the arm out of the gimbal. **IMPORTANT:** The metal hinge pin can slide out of the plastic elevator arm. Make sure to not lose this metal hinge pin.

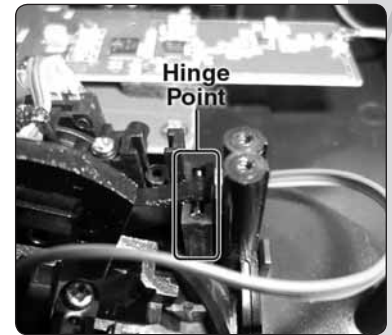
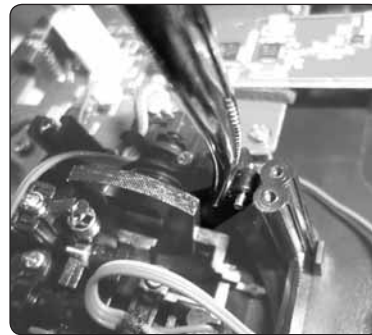
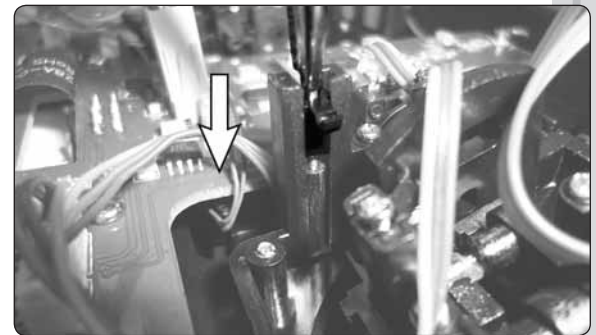
4. Remove the elevator spring tension lever and screw by gently lifting the assembly straight upwards, and set aside.



Elevator Arm and Spring Installation

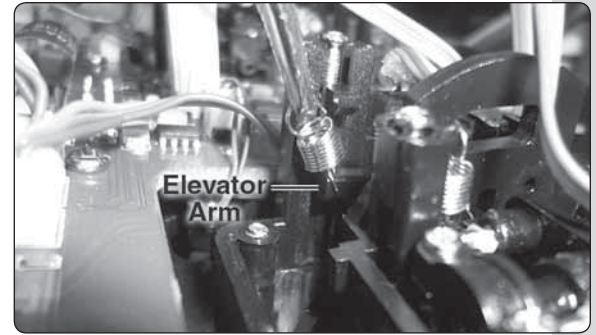
The plastic arm and spring must be installed onto the opposite gimbal (which doesn't have the metal throttle ratchet arm).

1. Carefully lower the spring tension lever and screw assembly into the slot on the opposite gimbal.

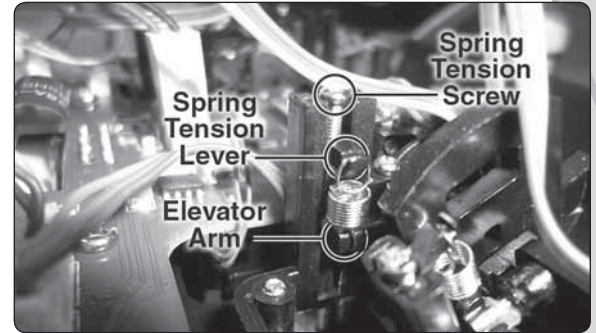


2. With the elevator arm aligned vertically, carefully lower the arm downward into the gimbal and rotate slowly in a clockwise direction like shown. Fully seat the arm/mounting pin down into the hinge point in the gimbal.

- Using hemostats or needle-nose pliers, grasp one loop end of the spring and hook the opposite loop end of the spring onto the arm down inside the gimbal.



- Pull the spring upward and securely hook the top loop end onto the spring tension lever, and release.
- Adjust the spring tension screw until the desired tension exists for the vertical movement of this stick.



Case Assembly

- Carefully tuck all cables back inside as when the case was opened.
- Align the case rear back onto the case front, **making sure that no wires are pinched between the case parts**. Press the case halves together.
- Insert the six screws back into their positions and carefully tighten until snug. Do not cross the threads or over-tighten the screws.
- Re-connect the battery inside the battery compartment and close the battery door. Test all mechanical and electronic changes for proper operation.

Mode change is complete. If you have questions, contact Hobby Services as follows:

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