

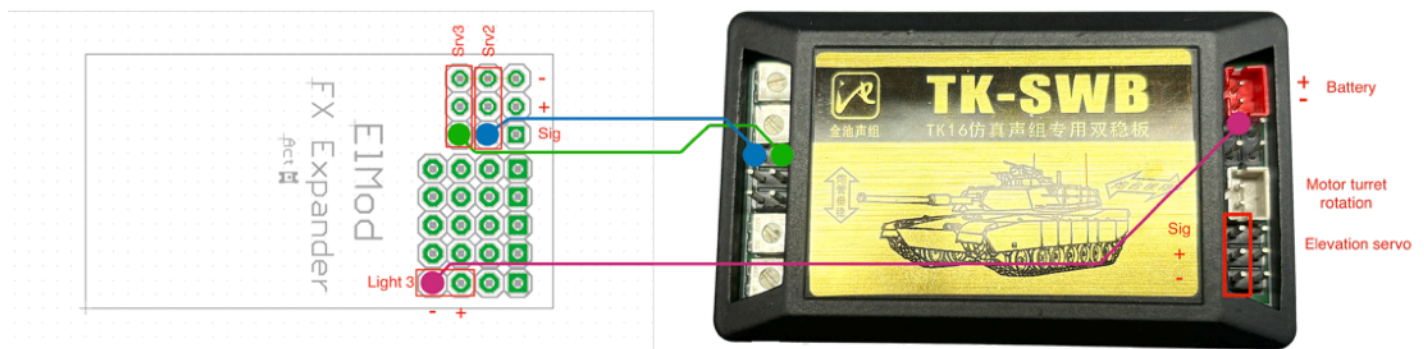


Installation 2-axis stabilization TK-SWB EIMod FusionX

The 2-axis stabilization TK-SWB can be easily connected to EIMod FusionX. The manufacturer's video can be used for the cabling in the turret: <https://youtu.be/nAHxiT3VPOs?si=ABtEobVkukeQYBG1>

When making the electrical connection on the side of the FX FusionX central unit, please note the following:

- An FX expander is mandatory
- Two servo positions are required:
 - Blue line: Servo 2 with the "elevation" function
 - Green line: Servo 3 with the "Turret rotation" function
- Optional: Stabilization can be switched on and off via a light channel ("Light 3"). If there is no free wire in the slip ring, one of the wires initially occupied by the battle function can be used. If absent, the stabilization is always active



Configuration is done in the EIMod App

- Load the "TK-SWB-stabi" profile. This configures the servo outputs of the FX Expander correctly. Depending on the installation of the elevation servo, it may be necessary to activate the "Servo reverse" parameter for servo 2 in the EIMod App. Details on the configuration of the servos can be found in the EIMod knowledge database.
- Optionally, light channel 3 (or another light channel) can be used to deactivate the stabilization if required. For quick access, it is recommended to link the switching function for "Light 3" to a free channel (channel 6 or 7). There are also instructions for this in the EIMod knowledge database.

Notes on start-up

- Temporarily fix the TK-SWB to the turret (e.g. with a piece of double-sided adhesive tape)
- For the first test, it is recommended to remove the connection from the "Light 3" output. This leaves the stabilization active.
- First check whether the turret rotation and canon elevation work correctly using the remote control and whether the direction of movement is correct. Fix this if necessary (enable servo reverse in the EIMod App or swap the turret motor connections)
- Now slowly turn the tank or the upper hull. The stabilization should now counteract. The TK-SWB has two rotary potentiometers for each axis for fine adjustment.
- If the stabilization moves the elevation servo in the wrong direction, a jumper must be set on the TK-SWB. Refer to the instructions of the TK-SWB to find out where this is located.
- Now attach the wire for the "Light 3" switching function. If it has been configured correctly in the EIMod App, switching on the light function will deactivate the stabilization.

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