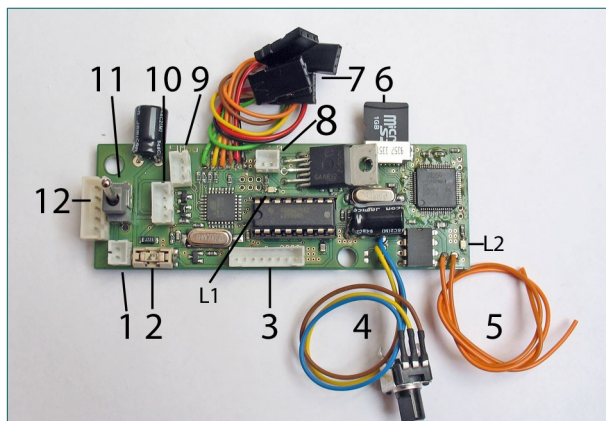


Please read this document carefully!

### Overview of connectors

- |  |                                       |
|--|---------------------------------------|
| 1 Power supply                           | 2 Fuse for turret and light functions |
| 3 Connector for turret section           | 4 Volume control                      |
| 5 Speaker cables                         | 6 microSD-card with sample sets       |
| 7 Receiver Connectors (4 Channels & BEC) | 8 Main motor connector                |
| 9 Steering servo connector               | 10 Light connector                    |
| 11 Main switch                           | 12 EIMod Configurator link            |
| L1 Status-LED 1 (drive functions)        | L2 Status-LED 2 (sound functions)     |



### Assembly

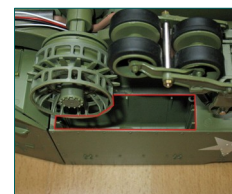
- Remove the original PCB carefully. Do not damage the sensitive connectors and thin cables!
- Replace the original electronics PCB with the EIMod M16. It fits exactly in the present mounting holes. Fasten the board with two screws.
- Attach the original cables to the corresponding connectors (power supply, main motor, steering servo, turret section, lights). Take care! The connectors for the power supply and the main motor may be accidentally swapped!
- Attach a proper RC-receiver (4-channel) to the corresponding cables. The wire color pin assignment is as follows:

Ch.	Control	Function
1	right stick	Acceleration
2		Steering
3	left stick	Turret, weapon and special functions
4		

The ThinkTank M16 provides the power supply for the receiver (BEC, stabilized 5V DC) via the red/black wires which are part of the proportional cable set.

**Depending on the receiver it may be necessary to adjust the channel order or swap its movement direction.**  
Check the manual of your rc gear for details.

- The receiver may be placed in the hollow space above the drive wheel (see picture)
- Connect an appropriate loudspeaker (8 Ohm) to the speaker wires.
- Jack the vehicle up, so that the chains can move freely.
- Attach a full charged battery to the power supply connector. Switch the RC-radio and the ThinkTank M16 board on.
- Both LEDs comes on after 3-4 seconds. If a LED remains off or blinks, see the following table to determine the cause.



L1 (status drive functions)	off	No power (check the battery and the main switch)
	blinking	No receiver signal detected. Check the RC gear!
	on	Operational
L2 (status sound function)	off	No SD-Card detected or faulty card
	blinking	Communication problem or faulty hardware
	on	Operational

- move the left stick to the upper most position to ignite the engine. If another function shows up, check the wiring of the receiver and the setup of your radio! Disable all mixers in the radio. If necessary check the function and mapping of the radio channels with a common servo
- adjust the volume if you don't hear the engine noise
- check the drive, steering and light functions
- switch the power off and attach the turret section
- power on the board and check the turret functions (rotation, elevation, shot) with the left stick of the radio
- the vehicle is now operable

- use the included EIMod Configurator with your Windows® or Apple® computer to fine tune the module's settings

## Steering and control

To accelerate and brake move the right stick in the vertical axis. To drive left or right, move the right stick in the horizontal axis.

The light, turret and special functions are mapped to the left stick as listed in the following table.

↔	Full deflection	Turret rotation	↶	Fast movement	User sound 1
↕	Up to 66% deflection	AA-gun elevation	↷	Fast movement	Light on/off
↑	Full deflection	Shot on/off	↶	Fast movement	User sound 2
↓	Full deflection	Engine on/off	↷	Fast movement	User sound 3

Nicht geeignet für Kinder unter 14 Jahren.

**Not suitable for Children under 14 years.**

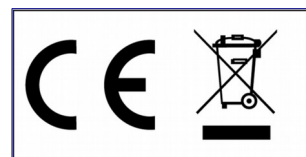
**Ne convient pas pour des enfants de moins de 14 ans.**

**Niet geschikt voor kinderen onder de 14 jaar.**

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