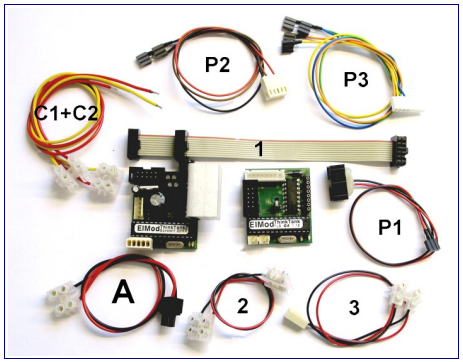
ThinkTank Prop C6
Instructions for assembly and handling

Please read this document carefully!

Think Tank Prop wire set is for connecting a common proportional RC-System.

Scope of delivery

One ThinkTank Booster PCB
One ThinkTank TLS C4 PCB
One power supply cable A
Two motor cables C1 and C2
One grey EMNet cable (1),
One lengthening cable white/red (2),
One rear light cable black/red (3)
One BEC cable P1
One booster proportional cable P2
One TLS proportional cable P3

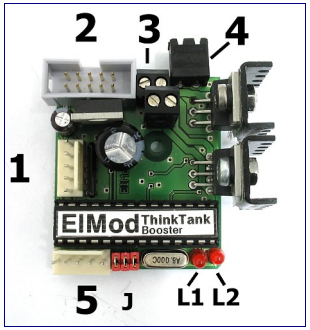


Functionalities

- connection of the ThinkTank Booster and ThinkTank TLS with a standard 6 channel radio receiver (e. g. Futaba, Jamara, Robbe and Graupner/JR).
- full proportional drive control with mass inert simualtion and control of turret, light and shot functions.

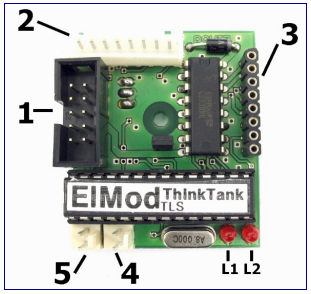
Overview of connectors

ThinkTank Booster



1 receiver input (channels 1 and 2)
2 EMNet connection for further TT-modules
3 motor connection (cable C1 and C2)
4 power supply connection (connector cable A)
5 connection for ThinkTank Drive
J jumper for tank model configuration
L1 power LED
L2 command LED

ThinkTank TLS

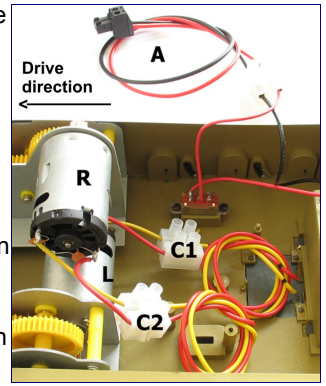


1 EMNet-Connection (cable 1)
2 receiver input (channels 3 to 6)
3 supply for turret unit
4 reseved for further light group / rear light (cable 3)
5 optional muzzle flash (any LED can be connected directly)
L1 power LED
L2 command LED

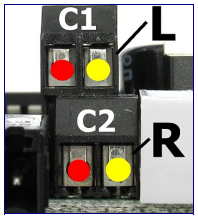
Assembly and connection

Please read the following instructions very carefully! After the assembly all wires have to be connected exactly as it can be seen on the related pictures!

- Cut through the power supply leading to the HL-PCB as well as the supply cables for the motors
- Disconnect the original electronic parts from their supply cables or remove them completely
- Connect cable A with the "-" cable of the rechargeable battery and the "+" cable from the power switch
- The cables C have to be connected with the motors
- Please keep in mind that the colours of the cables in your tank can vary! Always connect light-coloured with light-coloured and dark-coloured with dark-coloured
- Cable C which is connected to the motor driving the LEFT chain (in direction of motion) is called cable C1. The other one C2.

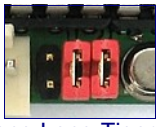


Connection to ThinkTank Booster

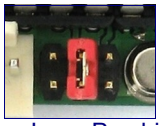


- Cable A has to be connected with connection 4
- Cable C1 and C2 have to be connected with connection 3 of the Booster as indicated on the picture
- Cable P2 has to be connected to connector 1 (channel 1 and 2 of the receiver (right stick)).
- Put the jumper on the ThinkTank Booster due to your tank model:

Pure Tank (no simulation of mass inertia. Not recommended.)



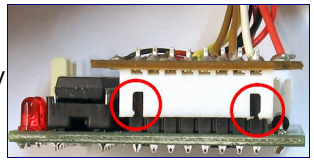
Heng Long Tiger or Panther



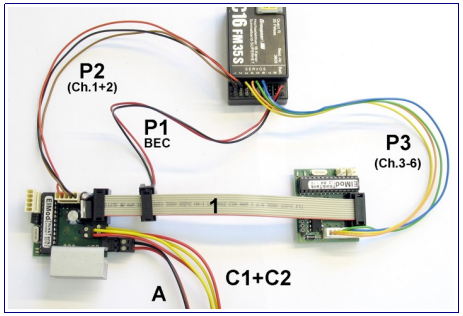
Heng Long Pershing or Walker Bulldog

WSN T-34 (an additional wire set is needed)

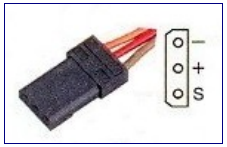
Connection to ThinkTank TLS



- Remove the Jumper from TLS if you don't intend to use a third party recoil unit.
- Fix the 8-pin plug of the turret unit to connection 3 of the TLS. Please make sure that the indentations point to the edge of the cirquit board! (see picture)
- In case the cables from the turret motor are too short, lengthen them with cable 2.
- Cable P3 has to be fixed with connector 2 (channels 3 to 6 of the receiver).
- The EMNet-cable (1) should connect the ThinkTank Booster and the ThinkTank TLS. The third connector of the cable is for cable P1. It is used as power supply for the receiver (BEC)



Connection to the receiver



- Fix cable P1 to the power connector of the receiver.
- Connect the four cables of the multi-connector cable P2 in the following way:

  cable black/brown: channel 1, acceleration

  cable red: channel 2, steering

  cable yellow: channel 3, canon lift

  cable orange: channel 4, turret rotation

  cable green: channel 5, shot (down: MG, up: main gun)

  cable blue: channel 6, light (full down: front light, half down: rear light, full up (only when ThinkTank Blaster is installed): engine on/off)

The plugs are not polarity proof! Make sure that the black cable ist connected to the ground

Initiation

- Make sure that all wires have been put in correctly, that all connections are well fixed and that no conductive parts can touch each other.
- Swich on the remote control, the receiver and the tank exactly in this order.
- Both power LEDs should go on.
- Move the right lever of the remote control. The tank starts moving.
- Depending on the receiver it may be necessary to adjust the channels, their polarity or the neutral position of the sticks.

Operation state LEDs

Power-LED	lights	Booster is operational
	Blinks one to four times after having been switched on (depending on the tank model)	Looking for connected ThinkTank modules
Command-LED	Joystick not in a neutral position or received command from radio	Used to recognize operational capability and used to control the neutral position

A fast-blinking power LED means that there is no connection to the sender or that the transmission path between sender and receiver is disrupted. Please check if the sender is switched on and if it is connected to a charged battery. If necessary check the operability of sender and receiver with a servo motor.

Brakes

With the ThinkTank Booster module the tank disposes of three degrees of brakes:

Motor brake	Chain brake	Emergency brake
Put the lever in neutral position.	move the stick half-way to opposite direction	move the stick completely to opposite direction
Rolling out	Full brake	Immediate halt

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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