ThinkTank Blaster IV
detailed instructions for assembly and operation

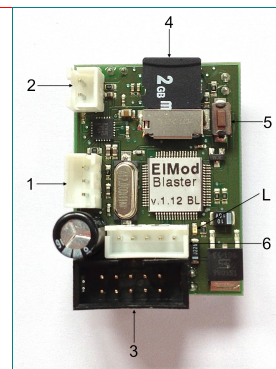**Please read these instructions carefully before assembling the parts.**

Product contents

- ThinkTank Blaster PCB
- volume control cable
- speaker cable
- microSD-card

Overview of connectors

1 connector for volume control	2 speaker connector
3 EMNet-connector	4 microSD card with sample sets
5 pushbutton for test mode and bootloader	6 connector for PC Configurator
L status LED	

Assembly and connection

Faulty wiring may cause permanent damage to the electronics! If anything is unclear, please send us an email!

- Plug the ThinkTank Blaster PCB on the ThinkTank Tank Module, so the pins of the Blaster exactly fit to the red marked counterparts on the Tank Module.

Make sure that ALL four connections are mechanically secured! Otherway the electronics may be damaged or destroyed!

- Plug the volume control cable
- Solder a suitable 8 Ohms speaker to the included speaker cable. Plug the cable to the corresponding connector on the Blaster board. The polarity (+/-) makes no difference.

First run

It is essential for proper function of the module that the tank itself and all other modules are installed correctly!

- Make sure all cables have been installed as described above.
- Make sure that the SD card is well fixed.
- Put in a full charged battery and switch on the tank.
- The status LED starts blinking for a short time and remains on.
- For a function test, press the pushbutton. A sound is played every couple of seconds. If you cannot hear anything, adjust the volume with the volume control

Status LED

on	Blaster is operational
blinking	Blaster cannot establish connection to the central unit
off	SD card missing or faulty
flickering	a sound is being played
blinks exactly 3 times	Bootloader active and ready for firmware update

Motor ignition

After the installation of the ThinkTank blaster, the engine is switched off after power up by default. See the manual of your central unit to find out what stick/switch position on the radio is assigned to the ignition function.
This procedure switches the tank alternately on and off. You cannot move the tank when the engine is off.

Setting up a sample set

The included microSD card includes several ready-to-use sample sets. For activation of a sample set, insert the card in a suitable card reader in a personal computer and start the file "setup.exe" which is located in the root directory of the SD card.

User defined samples

Up to four samples per sample set can be used as free defined sounds, which may be triggered by two free channels of the proportional receiver. See the manual of your central unit for details how the samples are triggered..

The included microSD card includes several third-party sample sets. We give no guarantee for the quality or content of the sample sets!

Configuration and update

An optionally available USB cable, the PC Configurator allows a very detailed configuration and setup of the Blaster. To run the configuration download and install the PC Configurator Software from our web site, attach the USB cable and power up the central unit.

If a new firmware version for the Blaster is released, it may also be uploaded with the PC Configurator. To activate the update process download and install the current version of the PC Configurator Software, attach the USB cable, press and hold the pushbutton on the Blaster and switch on the power. The LED on the Blaster blinks exactly 3 times. Follow the directions shown by the PC Configurator Software.

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