

# TRIK

**TRIK Kit**

# Advanced

**Parts List**

2023.1



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## Controller

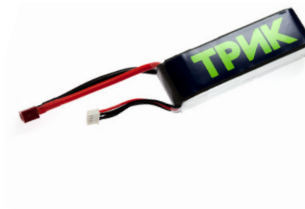


1 x TRIK Controller

## Power supply kit, compatible with the controller



1 x 5A power adapter, 220V mains, with 2.5mm connector cable



1 x LiPo battery, 2200mAh, 3S



1 x Charger

## Memory

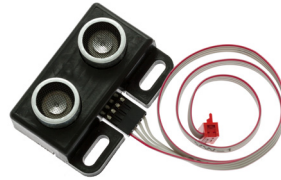


1 x microSD card with adapter

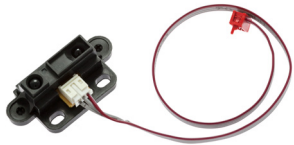


1 x USB adapter for microSD

## Sensor kit, compatible with the controller



- 2 x IR line sensor with connector cable 1 x Touch sensor with connector cable 1 x Ultrasonic distance sensor with connector cable. Range 10–256 cm, accuracy 1 cm



- 1 x IR distance sensor with connector cable. Range 10–80 cm, accuracy 1 cm 1 x OV7670 camera module with mount and connector cable. Resolution 640×480, 30 fps 1 x LED strip, 20 cm



- 1 x Lidar with connector cable 1 x Thermal imager with connector cable

## Actuator kit, compatible with the controller



- 4 x Digital servo, 180° range, with 1 x Gripper attachment connector cable. Output torque 0.95 N m, metal gear train



- 4 x Power motor with encoder and 4 x Servo flange coupling connector cable. Gear motor, 160 rpm at 12V

## Wheel kit



2 x Small wheel



4 x Large wheel



2 x Mecanum wheel, left



2 x Mecanum wheel, right



2 x Hub, 30 mm



4 x Hub, 18 mm



1 x Swivel caster wheel

## Fastener kit



10 x M4 lock nut



30 x M4 self-locking nut



150 x M4 flange nut



10 x M3 nut



150 x M4x8 screw



50 x M4x16 screw



10 x M4x30 screw



4 x DIN466 nut



20 x Nylon washer



1 x Cable ties (pack of 100)



5 x Magnetic washer



30 x M3x6 screw



2 x DIN 464 M4x8 screw



4 x M4x35 male-female standoff

## Tool kit



1 x 2.0 mm L-hex key



1 x 2.5 mm L-hex key



1 x Combination wrench (7 mm)

## Plastic parts kit



10 x Plastic ring, 3.4 mm



20 x Plastic ring, 5 mm



2 x 3x1x1 block



1 x Servo adapter: plastic square

## Metal parts kit



1 X Body base (3\_15\_3) x 10



4 X 25D power motor bracket (1\_3\_1) x (1\_3\_1)



4 X 25D flat power motor bracket 3 x 5



4 X Beam (1\_2\_1) x 20



4 X Bracket (2\_2) x 20



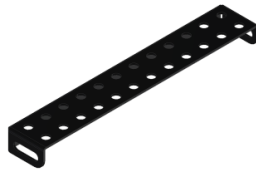
4 X Bracket (2\_3) x 10



2 X Servo motor bracket 3 x 9



4 X Beam (2\_3\_2) x 7



4 X Beam (1\_2) x (1\_12\_1)



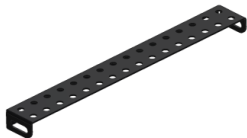
4 X Bracket (3\_5) x 10



4 X Bracket (1\_1) x 3



4 X Bracket (1\_1) x 5



4 X Beam (1\_2) x (1\_16\_1)



4 X Beam (1\_2\_1) x 10



4 X Beam (1\_2\_1) x 15



4 X Flat bracket 135° 3 x 3



4 X Flat bracket 135° 5 x 5



4 X Flat bracket 90° 5 x 5



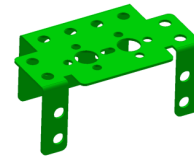
4 X Plate 1x5



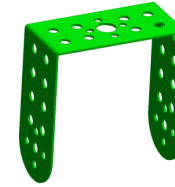
4 X Plate 1x10



8 X Plate 1x30



4 X Servo adapter  
Adaptor servo bracket



4 X Servo adapter  
Adaptor servo pivot



4 X Plate 2x10



4 X Triangle 4x4



1 X Plate 10x15

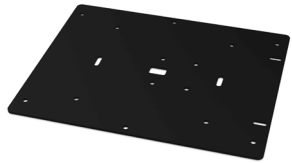


1 X Small gripper servo adapter  
Adaptor claw (1\_1)\*2



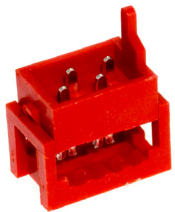
1 X Large gripper  
servo adapter  
Adaptor claw  
(2\_2\_2)\*1

## Plates



2 x Landing pad, 170×210 mm

## Miscellaneous



5 x Micro-Match connector



20 x Male-female cable

1 x UART serial port  
with connector  
cable



1 x Quick reference (basic external  
device wiring)

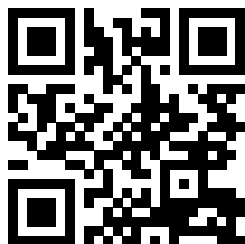


1 x Quick start guide



1 x Instruction book

# TRIK



[support@trikset.com](mailto:support@trikset.com)  
[trikset.com](https://trikset.com)



**trikset**

Component photos may differ from the actual items.  
For questions about kit contents, contact [support@trikset.com](mailto:support@trikset.com)