| Item | example URL | example price | Aliexpress URL | Aliexpress price |
|---|---|---|---|---|
| Derailleur cable with hose & ends | https://www.bikester.be/706991.html | 7.99 € | | |
| cable adjuster | https://www.bikester.be/jagwire-index-adjusting-barrel-kruk-en-trapas-accessoires-zwart-zilver-626630.html | 5.95 € | | |
| Sensor | https://www.bikester.be/fietsaccessoires/fietscomputers/fietscomputers-accessoires/321498.html | 4.50 € | | |
| Magnet | https://www.conrad.be/p/tru-components-d10t5-m3-permanente-magneet-ring-n35-grenstemperatuur-max-80-c-1568107 | 2.12 € | | |
| | | **20.56 €** | | |

| Item | recommended brand&type | picture | example URL | price | AliExpress URL | price |
|------|------------------------|---------|-------------|-------|----------------|-------|
| Servo analog or | Power HD 1501MG | | https://amzn.to/2ExU4gd (17kg analog) | | https://s.click.aliexpress.com/e/_dVdMwgI (17kg analog) | |
| Servo digital (low energy) | Power HD LF-20MG | | https://amzn.to/2YQ52nZ (20kg digital 14.66€) | 14.99 € | https://s.click.aliexpress.com/e/_dSseepa (20kg digital 16.17€) | 10.67 € |
| Arduino Nano or 100% compatible | ATmega 328 (code A000005) | | https://www.conrad.be/p/arduino-board-nano-atmega328-1172623 | 23.49 € | https://s.click.aliexpress.com/e/_dZPwkR8 | 2.07 € |
| Toggle switch (on)off(on) | | | https://www.conrad.be/p/apem-5537a-55370003-tuimelschakelaar-250-vac-3-a-1x-aanuitaan-moment0moment-1-stuks-700351 | 2.68 € | https://s.click.aliexpress.com/e/_dTNvhgW (5PC) | 5.21 € |
| PCB board (island contacts) | | | https://www.conrad.be/p/rademacher-wr-typ-811-2-printplaat-hardpapier-l-x-b-100-mm-x-75-mm-35-m-rastermaat-254-mm-inhoud-1-stuks-529580 | 2.90 € | https://s.click.aliexpress.com/e/_d73hrcW | 1.10 € |
| 2X resistor 470 ohms 1/4W | | | https://www.conrad.be/p/te-connectivity-rox2sj470r-metaalfilmweerstand-470-axiaal-bedraad-2-w-5-1-stuks-1677278 | 0.22 € | https://s.click.aliexpress.com/e/_dYAoMHM (20PC) | 0.48 € |
| resistor 220 ohms 1/4W | | | https://www.conrad.be/p/te-connectivity-rox3sj220r-metaalfilmweerstand-220-axiaal-bedraad-3-w-5-1-stuks-1676926 | 0.12 € | https://s.click.aliexpress.com/e/_dYAoMHM (20PC) | 0.48 € |
| push-button w/ Led | Velleman R1396B | Pic_18.JPG | https://www.gotron.be/miniatuur-drukschakelaar-met-rode-led-spst-off-on.html | 4.20 € | | 4.20 € |
| buzzer | | | https://www.conrad.be/p/conrad-components-miniatuurzoemer-geluidsontwikkeling-85-db-spanning-5-v-1-stuks-1511468 | 0.67 € | https://s.click.aliexpress.com/e/_dXHzsWl (10PC) | 0.84 € |
| flex multicable | | | https://www.conrad.be/p/flatcable-10p-gekleurd.html | 1.16 € | https://s.click.aliexpress.com/e/_dWd2n1s (1m) | 1.74 € |
| solid cable | | | https://www.gotron.be/soepele-montagedraad-set-90m.html | 8.95 € | https://s.click.aliexpress.com/e/_dVI9d3I | 13.85 € |
| 4-pole cable | | | https://www.gotron.be/telefoniekabel-4-aders-voor-rj-connectoren-met-afscherming-zwart.html | 0.35 € | | 0.35 € |
| 6V accupack | | | https://www.conrad.be/p/nimh-accupack-6-v-2200-mah-aa-penlite-z-soldeerlip-emmerich-readytouse-5aa-zlf-255070 | 24.49 € | https://s.click.aliexpress.com/e/_d6IRgAs (2PC+Lader 3500mAH) | 12.83 € |
| 2.4V accupack | | | https://www.conrad.be/p/nimh-accupack-24-v-750-mah-aaa-potlood-z-soldeerlip-panasonic-eneloop-reihe-f1x2-251957 | 8.18 € | https://s.click.aliexpress.com/e/_dZB0umg (800mAH) | 5.84 € |
| charger | | | https://www.conrad.be/p/modelbouw-oplader-220-v-1-a-voltcraft-mw6168v-nicd-nimh-237739 | 16.49 € | | 16.49 € |
| servo female connector (or row pin connectors) | | | https://www.gotron.be/extra-lange-afbreekbare-vergulde-contacten-16-pins-mannelijk-mannelijk-5-pcs.html | 3.94 € | | 3.94 € |
| mono jack male plug 3.5mm | | Pic_19.JPG | https://www.conrad.be/p/tru-components-jackplug-35-mm-stekker-recht-aantal-polen-2-mono-zwart-1-stuks-1564577 | 2.04 € | https://s.click.aliexpress.com/e/_dTggrLQ (2PC) | 1.58 € |
| mono jack female chassis 3.5mm | | | https://www.conrad.be/p/bkl-electronic-072314-jackplug-35-mm-bus-inbouw-verticaal-aantal-polen-2-mono-zilver-1-stuks-733121 | 1.40 € | https://s.click.aliexpress.com/e/_dV7PpWU (10PC) | 3.31 € |
| stereo jack male plug 3.5mm | | | https://www.conrad.be/p/tru-components-jackplug-3.5-mm-stekker-recht-aantal-polen-3-stereo-zwart-1-stuk-s-1559784 | 0.74 € | https://s.click.aliexpress.com/e/_d7M1EzE (5PC) | 0.51 € |
| stereo jack 3.5 PCB | | | https://www.conrad.be/p/cliff-fcr1295-jackplug-35-mm-bus-inbouw-horizontaal-aantal-polen-3-stereo-zwart-1-stuks-705830 | 2.82 € | https://s.click.aliexpress.com/e/_Bf8PyEsY (10PC) | 2.72 € |
| charger plug chassis 5.5x2.5mm | | Pic_20.JPG | https://www.conrad.be/p/cliff-scd-026a-laagspannings-connector-bus-inbouw-verticaal-55-mm-25-mm-1-stuks-735627 | 3.25 € | https://s.click.aliexpress.com/e/_dZiBm3W (w/ waterproof) | 1.92 € |
| double pole key-switch (19mm diameter) | | Pic_21.JPG | https://www.gotron.be/sleutelschakelaar-dubbelpolig-on-off-2a-250v-d-19mm.html | 7.50 € | https://s.click.aliexpress.com/e/_d7c1by8 | 3.54 € |
| DIN chassis male 4-pole | | Pic_22.JPG | https://www.gotron.be/4-polige-cb-din-stekker-mannelijk-chassismontage.html | 1.75 € | https://s.click.aliexpress.com/e/_dY64CCY (set w/ pastic lid cap) | 0.74 € |
| DIN plug female 4-pole | | | https://www.gotron.be/4-polige-cb-din-stekker-vrouwelijk-kabelmontage.html | 1.75 € | (already incl. In above) | 0.00 € |
| screw terminals | | | https://www.gotron.be/lusterklem-1-5-6mm-15a-in-latten-van-12-polen.html | 1.21 € | | 1.21 € |
| 1 metal screw 3mm (if the one that comes with the servo is not long enough) | | | | | | |
| 4 self-tapping wood screws to mount the servo (3mm) | | | | | | |
| 6 self-tapping wood screw to mount the BigBox top (2.5mm) | | | | | | |
| | | | | 135.29 € | | 95.62 € |

* The links above usually are affiliate links which support the project (no additional cost for you).