

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

## Electronics

Item	recommended brand&type	picture	example URL	price	AliExpress URL*	price
Servo	Power HD 1501MG		<a href="https://www.amazon.com/Kityssp-Power-1501MG-Torque-Servo/dp/B07SG87V4W">https://www.amazon.com/Kityssp-Power-1501MG-Torque-Servo/dp/B07SG87V4W</a>	24.98 €	<a href="https://s.click.aliexpress.com/e/_dVdMwgl">https://s.click.aliexpress.com/e/_dVdMwgl</a>	10.67 €
Arduino Nano or 100% compatible	ATmega 328 (code A000005)		<a href="https://www.amazon.com/-/de/dp/B07SBW4W7Q/">https://www.amazon.com/-/de/dp/B07SBW4W7Q/</a>	23.49 €	<a href="https://s.click.aliexpress.com/e/_dZPwKR8">https://s.click.aliexpress.com/e/_dZPwKR8</a>	2.07 €
Toggle switch (on)off(on)			<a href="https://www.conrad.be/plarduino-board-nano-atmega328-1172623">https://www.conrad.be/plarduino-board-nano-atmega328-1172623</a>	2.68 €	<a href="https://s.click.aliexpress.com/e/_dTnhvhw(5PC)">https://s.click.aliexpress.com/e/_dTnhvhw(5PC)</a>	5.21 €
PCB board (island contacts)			<a href="https://www.conrad.be/plrademacher-wr-typ-811-2-printplaat-hardpapier-l-x-b-100-mm-x-75-mm-35-m-rastermaat-254-mm-inhoud-1-stuks-529580">https://www.conrad.be/plrademacher-wr-typ-811-2-printplaat-hardpapier-l-x-b-100-mm-x-75-mm-35-m-rastermaat-254-mm-inhoud-1-stuks-529580</a>	2.90 €	<a href="https://s.click.aliexpress.com/e/_d73hrcw">https://s.click.aliexpress.com/e/_d73hrcw</a>	1.10 €
2X resistor 470 ohms 1/4W			<a href="https://www.conrad.be/p/te-connectivity-rox2sj470r-metaalfilmweerstand-470-axiaal-bedraad-2-w-5-1-stuks-1677278">https://www.conrad.be/p/te-connectivity-rox2sj470r-metaalfilmweerstand-470-axiaal-bedraad-2-w-5-1-stuks-1677278</a>	0.22 €	<a href="https://s.click.aliexpress.com/e/_dYAoMHM(20PC)">https://s.click.aliexpress.com/e/_dYAoMHM(20PC)</a>	0.48 €
resistor 220 ohms 1/4W			<a href="https://www.conrad.be/p/te-connectivity-rox3sj220r-metaalfilmweerstand-220-axiaal-bedraad-3-w-5-1-stuks-1676926">https://www.conrad.be/p/te-connectivity-rox3sj220r-metaalfilmweerstand-220-axiaal-bedraad-3-w-5-1-stuks-1676926</a>	0.12 €	<a href="https://s.click.aliexpress.com/e/_dYAoMHM(20PC)">https://s.click.aliexpress.com/e/_dYAoMHM(20PC)</a>	0.48 €
push-button w/ Led	Velleman R1396B	Pic_18.JPG	<a href="https://www.gotron.be/miniatuur-drukschakelaar-met-rode-led-spst-off-on.html">https://www.gotron.be/miniatuur-drukschakelaar-met-rode-led-spst-off-on.html</a>	4.20 €		4.20 €
buzzer			<a href="https://www.conrad.be/plconrad-components-miniaturzoemer-geluidsontwikkeling-85-db-spanning-5-v-1-stuks-1511468">https://www.conrad.be/plconrad-components-miniaturzoemer-geluidsontwikkeling-85-db-spanning-5-v-1-stuks-1511468</a>	0.67 €	<a href="https://s.click.aliexpress.com/e/_dXHszW(10PC)">https://s.click.aliexpress.com/e/_dXHszW(10PC)</a>	0.84 €
flex multicable			<a href="https://www.gotron.be/flatcable-10p-gekleurd.html">https://www.gotron.be/flatcable-10p-gekleurd.html</a>	1.16 €	<a href="https://s.click.aliexpress.com/e/_dWd2n1s(1m)">https://s.click.aliexpress.com/e/_dWd2n1s(1m)</a>	1.74 €
solid cable			<a href="https://www.gotron.be/soepele-montagedraad-set-90m.html">https://www.gotron.be/soepele-montagedraad-set-90m.html</a>	8.95 €	<a href="https://s.click.aliexpress.com/e/_dVl9d3l">https://s.click.aliexpress.com/e/_dVl9d3l</a>	13.85 €
4-pole cable			<a href="https://www.gotron.be/telefoniekabel-4-aders-voor-rj-connectoren-met-afscherming-zwart.html">https://www.gotron.be/telefoniekabel-4-aders-voor-rj-connectoren-met-afscherming-zwart.html</a>	0.35 €		0.35 €
6V accupack			<a href="https://www.conrad.be/plnimh-accupack-6-v-2200-mah-aa-penlite-z-soldeerlip-emmerich-readytouse-5aa-zlf-255070">https://www.conrad.be/plnimh-accupack-6-v-2200-mah-aa-penlite-z-soldeerlip-emmerich-readytouse-5aa-zlf-255070</a>	24.49 €	<a href="https://s.click.aliexpress.com/e/_d6lRgAs(2PC+Lader 3500mAh)">https://s.click.aliexpress.com/e/_d6lRgAs(2PC+Lader 3500mAh)</a>	12.83 €
2.4V accupack			<a href="https://www.conrad.be/plnimh-accupack-24-v-750-mah-aaa-potlood-z-soldeerlip-panasonic-eneloop-reihe-f1x2-251957">https://www.conrad.be/plnimh-accupack-24-v-750-mah-aaa-potlood-z-soldeerlip-panasonic-eneloop-reihe-f1x2-251957</a>	8.18 €	<a href="https://s.click.aliexpress.com/e/_dZB0umg(800mAh)">https://s.click.aliexpress.com/e/_dZB0umg(800mAh)</a>	5.84 €
charger			<a href="https://www.conrad.be/plmodelbouw-oplader-220-v-1-a-voltcraft-mw6168v-nicd-nimh-237739">https://www.conrad.be/plmodelbouw-oplader-220-v-1-a-voltcraft-mw6168v-nicd-nimh-237739</a>	16.49 €		16.49 €
servo female connector (or row pin connectors)			<a href="https://www.gotron.be/extra-lange-afbreekbare-verguldde-contacten-16-pins-mannelijk-mannelijk-5-pcs.html">https://www.gotron.be/extra-lange-afbreekbare-verguldde-contacten-16-pins-mannelijk-mannelijk-5-pcs.html</a>	3.94 €		3.94 €
mono jack male plug 3.5mm		Pic_19.JPG	<a href="https://www.conrad.be/pltru-components-jackplug-35-mm-stekker-recht-aantal-polen-2-mono-zwart-1-stuks-1564577">https://www.conrad.be/pltru-components-jackplug-35-mm-stekker-recht-aantal-polen-2-mono-zwart-1-stuks-1564577</a>	2.04 €	<a href="https://s.click.aliexpress.com/e/_dTggrLQ(2PC)">https://s.click.aliexpress.com/e/_dTggrLQ(2PC)</a>	1.58 €
mono jack female chassis 3.5mm			<a href="https://www.conrad.be/plbkl-electronic-072314-jackplug-35-mm-bus-inbouw-verticaal-aantal-polen-2-mono-zilver-1-stuks-733121">https://www.conrad.be/plbkl-electronic-072314-jackplug-35-mm-bus-inbouw-verticaal-aantal-polen-2-mono-zilver-1-stuks-733121</a>	1.40 €	<a href="https://s.click.aliexpress.com/e/_dV7PpWU(10PC)">https://s.click.aliexpress.com/e/_dV7PpWU(10PC)</a>	3.31 €
stereo jack male plug 3.5mm			<a href="https://www.conrad.be/pltru-components-jackplug-3.5-mm-stekker-recht-aantal-polen-3-stereo-zwart-1-stuk-s-1559784">https://www.conrad.be/pltru-components-jackplug-3.5-mm-stekker-recht-aantal-polen-3-stereo-zwart-1-stuk-s-1559784</a>	0.74 €	<a href="https://s.click.aliexpress.com/e/_d7M1EzE(5PC)">https://s.click.aliexpress.com/e/_d7M1EzE(5PC)</a>	0.51 €
stereo jack 3.5 PCB			<a href="https://www.conrad.be/plcliff-fcr1295-jackplug-35-mm-bus-inbouw-horizontaal-aantal-polen-3-stereo-zwart-1-stuks-705830">https://www.conrad.be/plcliff-fcr1295-jackplug-35-mm-bus-inbouw-horizontaal-aantal-polen-3-stereo-zwart-1-stuks-705830</a>	2.82 €	<a href="https://s.click.aliexpress.com/e/_d8l8PyEsY(10PC)">https://s.click.aliexpress.com/e/_d8l8PyEsY(10PC)</a>	2.72 €
charger plug chassis 5.5x2.5mm		Pic_20.JPG	<a href="https://www.conrad.be/plcliff-scd-026a-laagspannings-connector-bus-inbouw-verticaal-55-mm-25-mm-1-stuks-735627">https://www.conrad.be/plcliff-scd-026a-laagspannings-connector-bus-inbouw-verticaal-55-mm-25-mm-1-stuks-735627</a>	3.25 €	<a href="https://s.click.aliexpress.com/e/_dZlBm3W(w/ waterproof)">https://s.click.aliexpress.com/e/_dZlBm3W(w/ waterproof)</a>	1.92 €
double pole key-switch (19mm diameter)		Pic_21.JPG	<a href="https://www.gotron.be/sleutelschakelaar-dubbelpolig-on-off-2a-250v-d-19mm.html">https://www.gotron.be/sleutelschakelaar-dubbelpolig-on-off-2a-250v-d-19mm.html</a>	7.50 €	<a href="https://s.click.aliexpress.com/e/_d7c1by8">https://s.click.aliexpress.com/e/_d7c1by8</a>	3.54 €
DIN chassis male 4-pole		Pic_22.JPG	<a href="https://www.gotron.be/4-polige-cb-din-stekker-mannelijk-chassismontage.html">https://www.gotron.be/4-polige-cb-din-stekker-mannelijk-chassismontage.html</a>	1.75 €	<a href="https://s.click.aliexpress.com/e/_dY64CCY(set w/ pastic lid cap)">https://s.click.aliexpress.com/e/_dY64CCY(set w/ pastic lid cap)</a>	0.74 €
DIN plug female 4-pole			<a href="https://www.gotron.be/4-polige-cb-din-stekker-vrouwelijk-kabelmontage.html">https://www.gotron.be/4-polige-cb-din-stekker-vrouwelijk-kabelmontage.html</a>	1.75 €	(already incl. in above)	0.00 €
screw terminals			<a href="https://www.gotron.be/lusterklem-1-5-6mm-15a-in-latten-van-12-polen.html">https://www.gotron.be/lusterklem-1-5-6mm-15a-in-latten-van-12-polen.html</a>	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)						
* The links above usually are affiliate links which support the project (no additional cost for you).				145.28 €		95.62 €