

Rowerowa orkiestra

DYNAMO POWERED * MUSIC TOY * KIT

NO BATTERIES
WWW.OOOOO.BE/ROWEROWA-ORKIESTRA
WITH PEDAL POWER



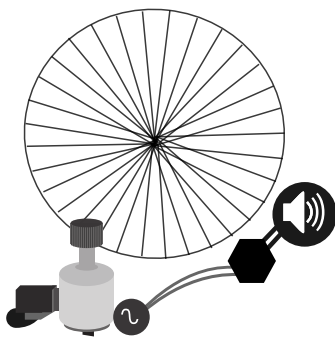
**MUSIC TOY
BATTERY OPERATED
MAX 4,5 V**

WATCH THE POLARITY



DIRECT CURRENT

3 V



4,5 V



ALTERNATE CURRENT



**CYCLIC
DYNAMO GENERATOR**

STEP 1 GATHER & UPCYCLE TOYS



Collect music toys with 2 or 3 batteries maximum.

STEP 2 CHECK BATTERY USE

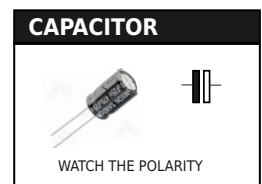
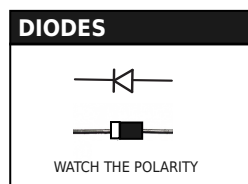
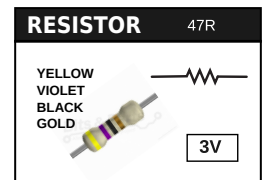
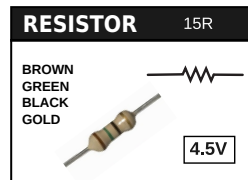


Open the battery casing of a music toy and check voltage. Add voltage to get the total amount. Use a multimeter to check the polarity (+ and -) of the electronic circuit. Use soldering device to connect wires to + (red) and - (black).

STEP 3 MAKE ELECTRONIC CIRCUIT



Change alternate current (dynamo) into direct current by building a circuit with the diodes, capacitor and resistor. Follow the schematic. Use a soldering device to connect the + (red) and - (black) wires to the music toy. Caution for polarity!



STEP 4 MOUNT MECHANICS



Attach a dynamo to the front or back of a wheel. Attach the music toy on a save and functional place. Connect the coloured wires to the dynamo.

STEP 5 COMPOSE MUSIC



Turn the wheel and tune in