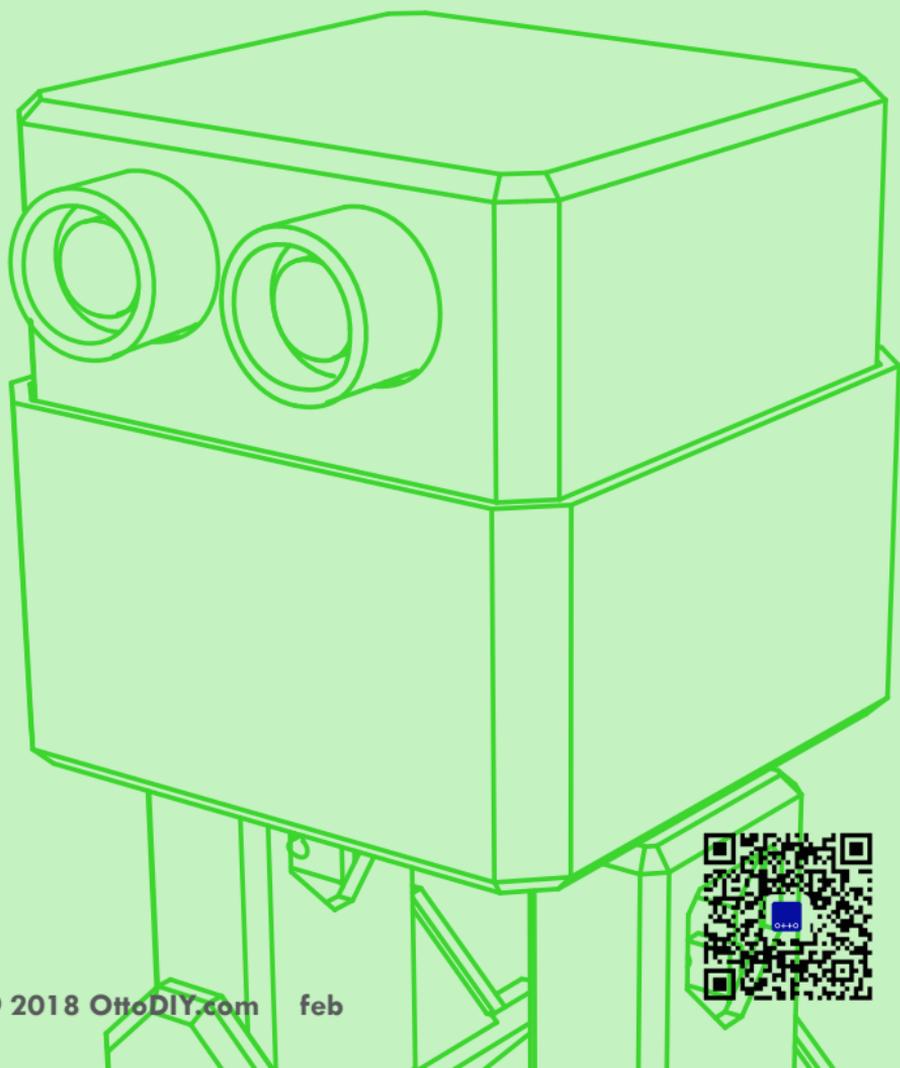




# INSTRUCTION MANUAL

# DIY



# build your own robot

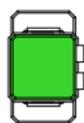


**Otto is an interactive robot that anyone can make!**

you will be able to build your own Otto in as little as two hours!  
easy to build and disassemble with a simple screwdriver.



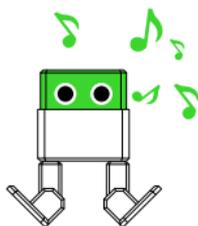
walk &  
dance



detect &  
avoid  
obstacles



easy to  
program

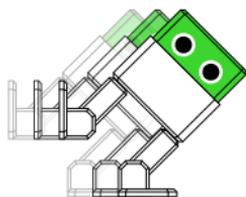


beeps &  
8bit music

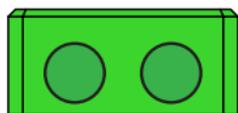


#OttoDIY

follow us!



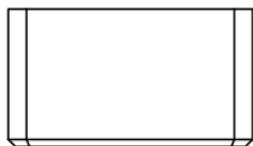
# PARTS



3D printed Head

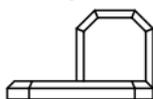


3D printed Leg x2

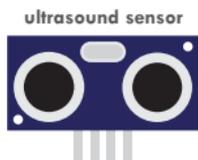
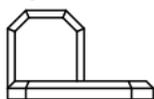


3D printed body

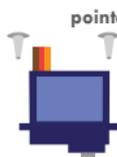
3D printed Right foot



3D printed Left foot



ultrasound sensor



pointed screw x8



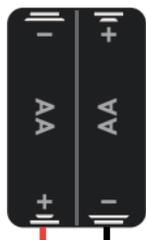
micro servo motor x4



short screw x4

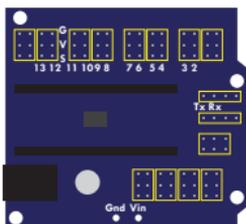


motor keys



AA battery case\*

\*AA batteries not included



Arduino NANO shield



Arduino NANO



mini usb cable



switch



buzzer

F/F connector cable x6

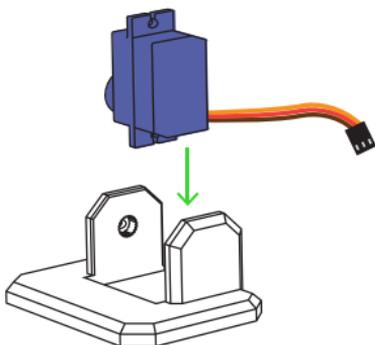


Phillips screwdriver

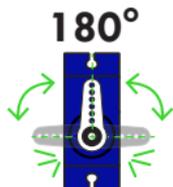
# 1



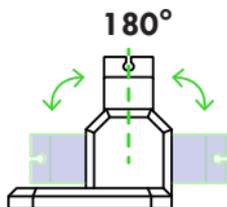
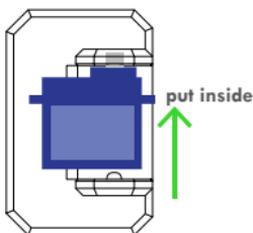
a



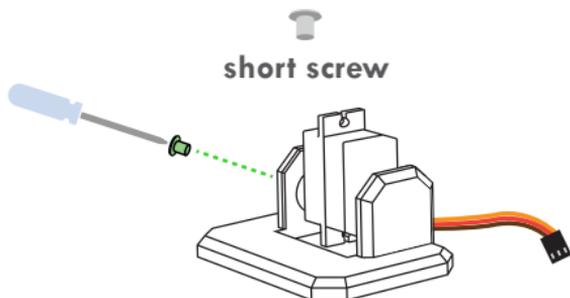
**ANGLE**  
IF FORCED IT WILL BREAK



b



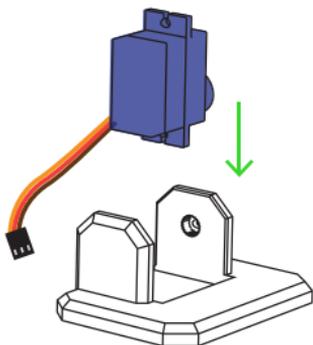
c



# 2

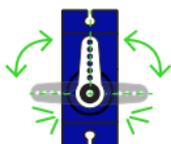


a

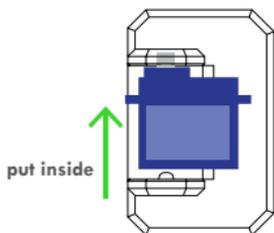


  
**ANGLE**  
IF FORCED IT WILL BREAK

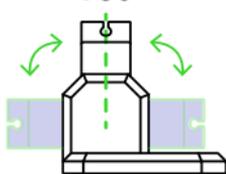
**180°**



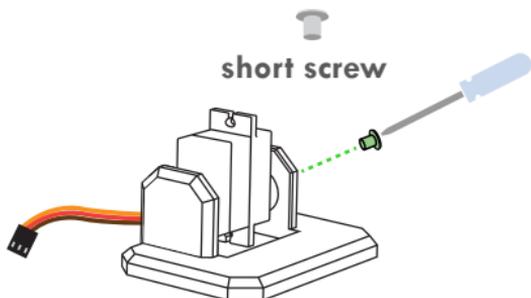
b



**180°**

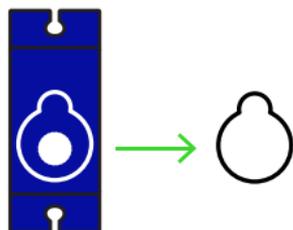
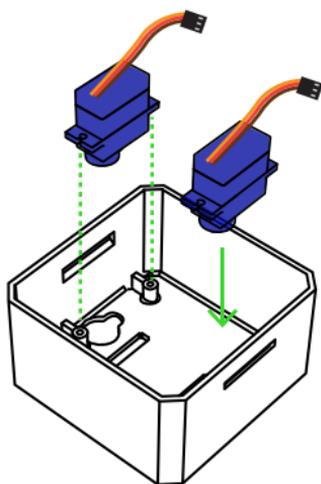


c

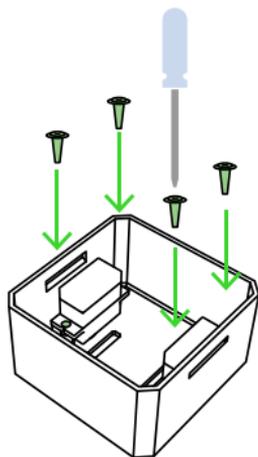




a



b

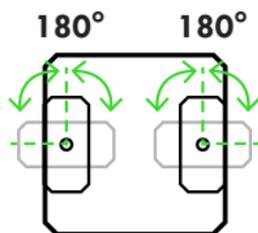
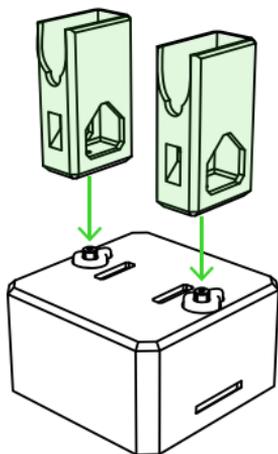


  
pointed screw

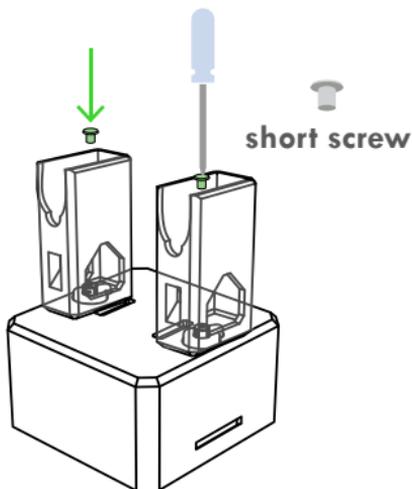
# 4



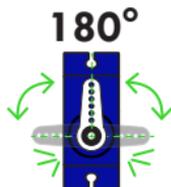
a



b



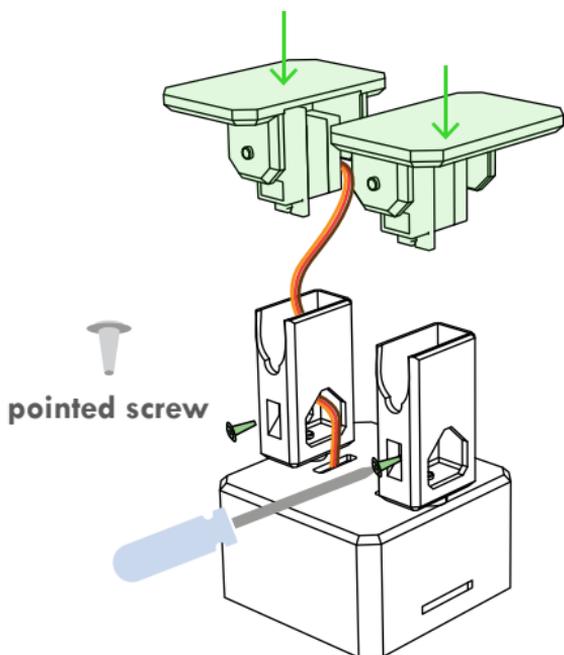
  
**ANGLE**  
IF FORCED IT WILL BREAK



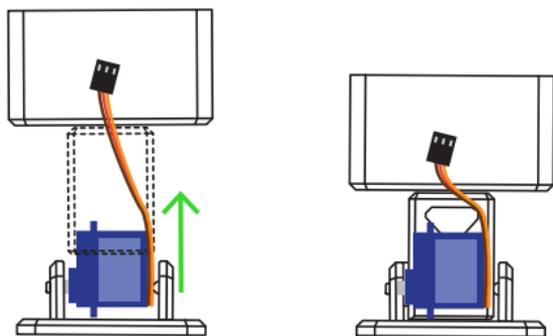
# 5



a



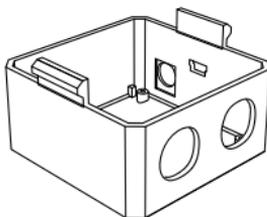
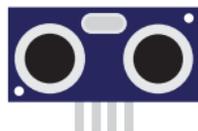
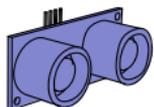
b



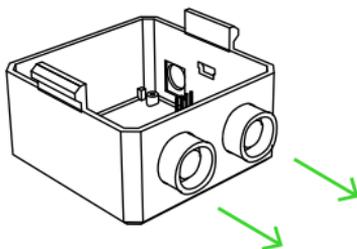
# 6



a



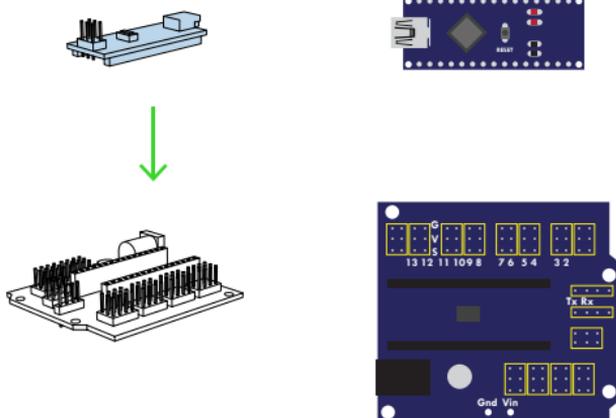
b



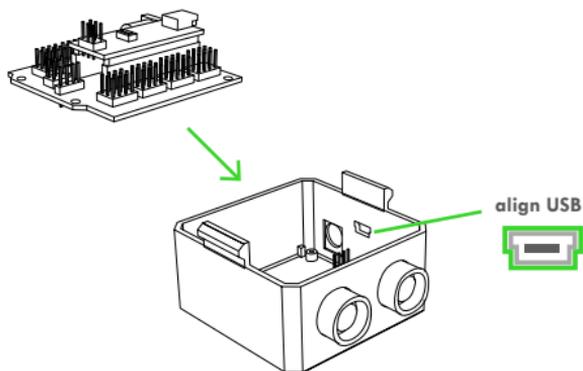
# 7



a



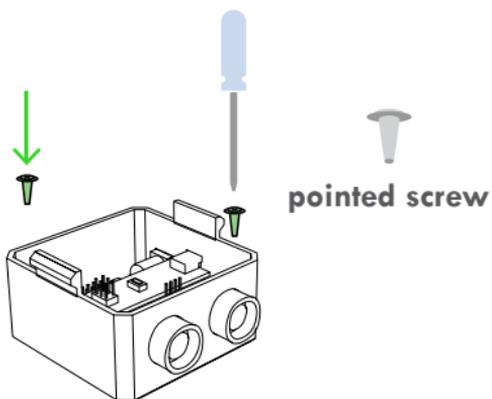
b



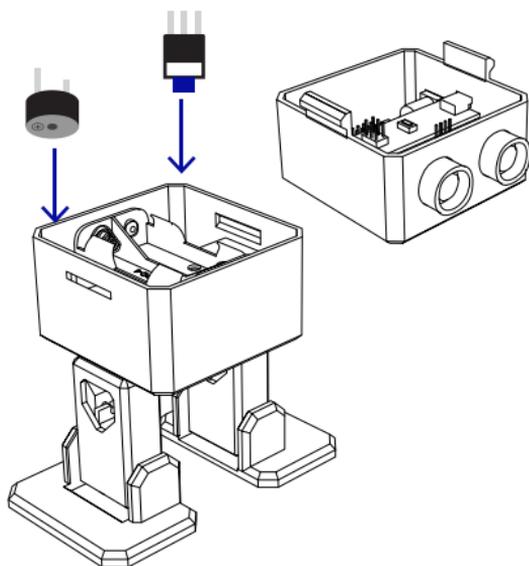
# 8



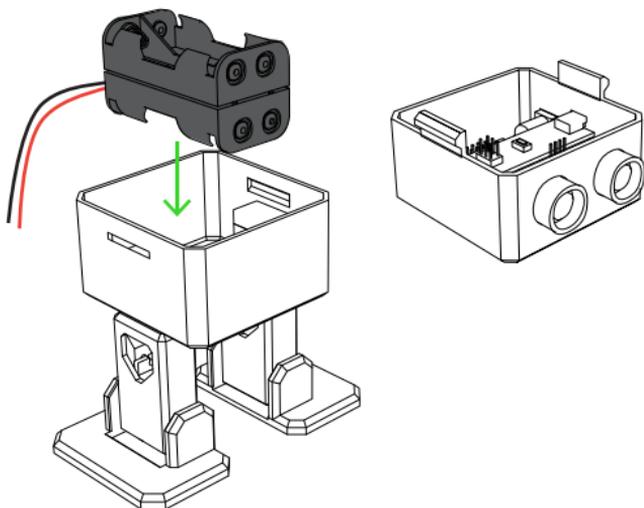
a



b

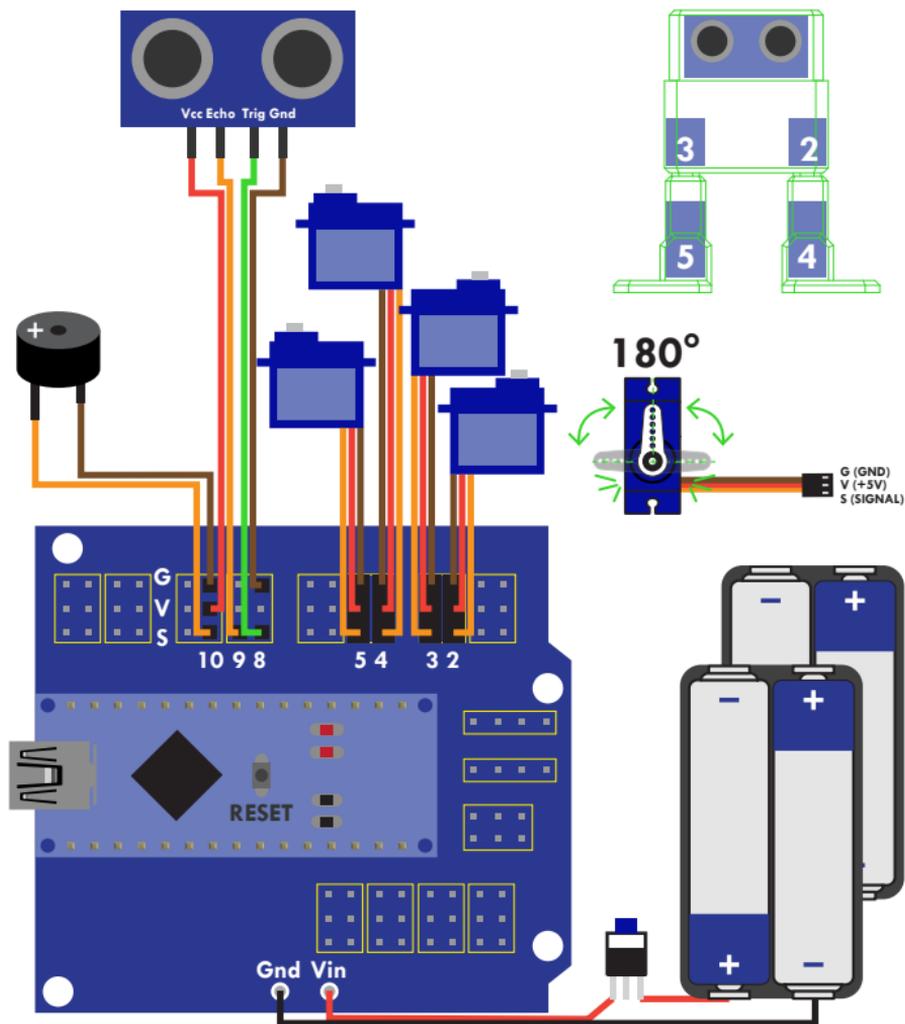


# 9



\*cable colors may vary

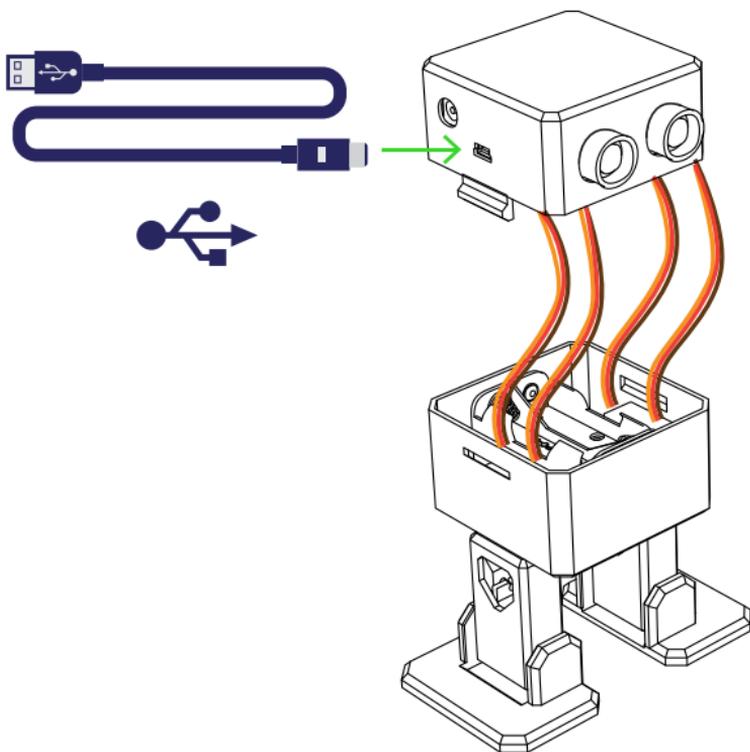
# 10



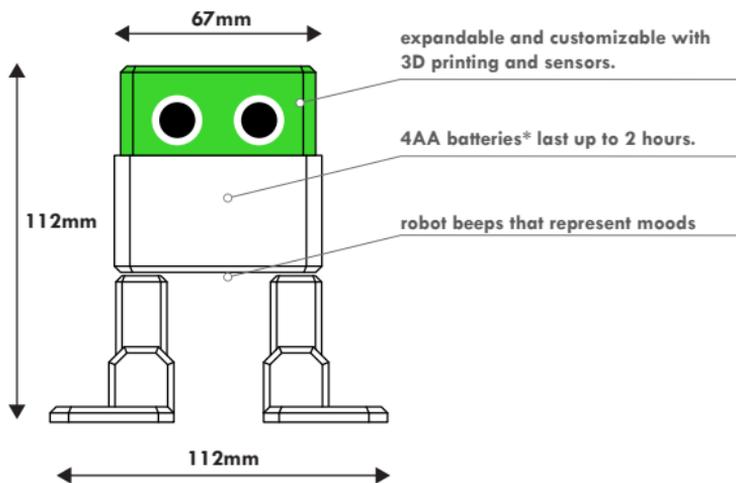
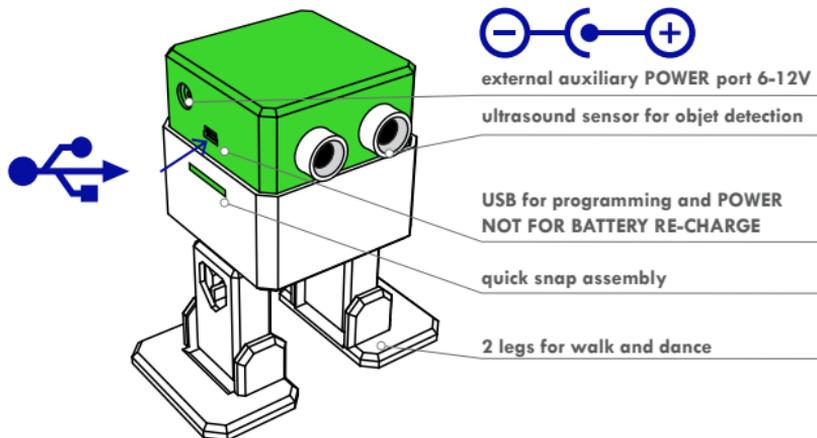
\*cable colors may vary \*AA batteries not included  
before using batteries test with USB first



connect and power with USB and test movements  
before close and using AA batteries



# 12



\*AA batteries not included

# 13

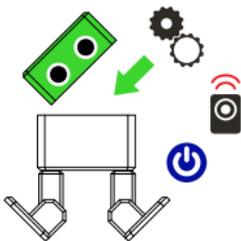


post your creations online



#OttoDIY share!

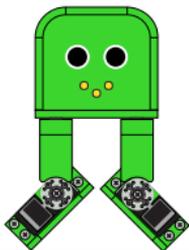
expand...



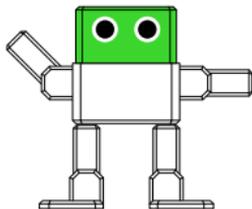
customize



remix



modify





# wanted Otto builders

do you have what it takes?

[ottodiy.com](http://ottodiy.com)

