## 2. Voice control of car movement

Take our company's product Rosmaster-X3 as an example to illustrate how to call Speech in the program\_ The Lib library performs speech recognition to control the motion of the car/robot. This course needs to be combined with the hardware of the Rosmaster-X3 car, and only code analysis will be done here. Firstly, let's take a look at the built-in voice commands,

functional word	Speech recognition results	Voice broadcast content
Stop	2	OK , I'm stop
Go ahead	4	OK , let's go.
Back	5	OK , I'm back.
Turn left	6	OK , I'm turning left.
Turn right	7	OK , I'm turning right.
Close light	10	OK, light is closed.
Red light up	11	OK, red light is on
Green light up	12	OK, green light is on.
Blue light up	13	OK, blue light is on.
Yellow light up	14	OK, yellow light is on.
light A	15	OK, light A is on.
lightB	16	OK, light B is on.
light C	17	OK, light C is on.
display power	18	OK, battery value has been display .

## 1. Start program

Terminal input,

roslaunch yahboomcar\_voice\_ctrl voice\_ctrl\_yahboomcar.launch

## 2、Core code

code path: ~/driver\_ws/src/yahboomcar\_voice\_ctrl/scripts/voice\_Ctrl\_Mcnamu\_driver.py

```
#Import a library for speech recognition
from Speech_Lib import Speech
from Rosmaster_Lib import Rosmaster
#Creating objects and driving control objects for speech recognition
spe = Speech()
car = Rosmaster()
#Reading the content of speech recognition
speech_r = spe.speech_read()
#Send voice broadcast content
spe.void_write(speech_r)
```