Operation description for car

This is a RC toy. It contains wireless function which works in 2.4GHz ISM frequency band.

Car circuit description

The receiving car transmits data through 2.4G radio wave and matched with the remote controller so as to achieve the corresponding function of the remote controller.

The circuit consists of seven parts: Charging circuit, DC 3.7V power supply, LDO circuit, 2.4Gintegrated circuit (IC: 1628P2 works with a 16MHz crystal), power amplifier circuit, motor drive circuit and LED light.

Working principle: receiving car powered on, remote control corresponding to the left front,left rear, right front, right rear and other key instructions, receiving integratedcircuit IC: 1628P2 works with a 16MHz crystal) received instruction, through internal demodulation, through the drive power amplifier and the motor, thus completing the function.

Specification

Power supply:	Rechargeable battery DC3.7V, 100mAh for car,charged by DC 5V
Cable(s):	USB-C cable:about 30cm unshielded
Operation Frequency:	2404MHz-2478MHz
Modulation Type:	GFSK
Number of Channels:	20
Antenna Type:	Wire Antenna
Antenna Gain:	0.17dBi

Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2404	6	2422	11	2442	16	2462
2	2405	7	2426	12	2446	17	2466
3	2410	8	2430	13	2450	18	2470
4	2414	9	2434	14	2454	19	2474
5	2418	10	2438	15	2458	20	2478