

地址: 广东省深圳市宝安区松岗镇松岗大道15号2楼(Axis)



Tel: +86.755.29764899 Fax: +86.755.29764299
Address: 2th Floor, Zai Ronglida, East Second Industrial District, 15
Songgang Road, Bao'an, Shen Zhen, China.

Motion State SensorsUSB Data Interface

Ver: 0.01

1 Download (USB)

Byte	Describe	Status
00	0x53	Head Code
01	NRF51822—LED Status	RESERVE
02	LGamePad---LED Status	RESERVE
03	RGamePad---LED Status	RESERVE
04	Belt ---LED Status	RESERVE
05-06	LED Strip control 06-----0X08-- Green 0X10-- Red 0x20--Blue 0x40--White	05—RESERVE 06--LED
07	Resistance control (0x00-0x65)	
08-09	Left Handle Motor	RESERVE
10-11	Right Handle Motor	RESERVE
12	USB HID and BLE Switch	RESERVE
13-31	0x00	RESERVE

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2 upload (USB)

Byte	Describe	Status
0	0x53	
1-2	Left Handle Version	
3-4	Right Handle Version	
5-6	Belt Version	
7-8	Walking Machine Version	
9-10	Host Version(NRF51822)	
11-12-13	Sensor_1 value(3Byte)	High Byte Middle Byte Low Byte
14-15-16	Sensor_2 value(3Byte)	High Byte Middle Byte Low Byte
17-18-19	Sensor_3 value(3Byte)	High Byte Middle Byte Low Byte
20-21-22	Sensor_4 value(3Byte)	High Byte Middle Byte Low Byte
23-24	Walking Machine Rate	
25	Working Status-(NRF51822)	
26	Battery (NRF51822)	A:BAT>=0x7f(3.6V) Normal B: BAT>=0x75(3.3V) Low Battery C: BAT<0x75(3.3V) turn off Battery Voltage=(BAT/0xFF)*3.6*2
27	Button -(NRF51822)	
28-29 30-31 32-33	Sensor_accelerator_X Sensor_accelerator_Y Sensor_accelerator_Z	28 : X_High Byte 29 :X_Low Byte 30 : Y_High Byte 31 : Y_Low Byte 32 : Z_High Byte 33 : Z_Low Byte
34-35 36-37 38-39	Sensor_gyroscope_X Sensor_gyroscope_Y Sensor_gyroscope_Z	34 : X_High Byte 35 :X_Low Byte 36 : Y_High Byte 37 : Y_Low Byte 38 : Z_High Byte 39 : Z_Low Byte
40-41 42-43 44-45	Sensor_magnetometer_X Sensor_magnetometer_Y Sensor_magnetometer_Z	40 : X_High Byte 41 :X_Low Byte 42 : Y_High Byte 43 : Y_Low Byte 44 : Z_High Byte 45 : Z_Low Byte
46-47-48	Sensor_1 value(3Byte)	High Byte Middle Byte Low Byte
49-50-51	Sensor_2 value(3Byte)	High Byte Middle Byte Low Byte
52-53-54	Sensor_3 value(3Byte)	High Byte Middle Byte Low Byte

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55-56-57	Sensor_4 value(3Byte)	High Byte Middle Byte Low Byte
58	Left Handle---Button Value	
59-60	Left Handle---Rocker Value	
61	Right Handle---Button Value	
62-63	Right Handle---Rocker Value	

Revision history:

V1.00 : (1)20190104:

V1.01 : (1)20190114: Add WM LED And PWM Explain