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Motion State SensorsUSB Data Interface

Ver: 0.01

1 Download (USB)

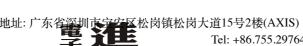
Byte	Describe	Status
00	0x53	Head Code
01	NRF51822—LED Status	RESERVE
02	LGamePadLED Status	RESERVE
03	RGamePadLED Status	RESERVE
04	BeltLED Status	RESERVE
05-06	LED Strip control 060X08 Green 0X10 Red 0x20Blue 0x40White	05—RESERVE 06LED
07	Resistance control (0x00-0x65)	
08-09	Left Handle Motor	RESERVE
10-11	Right Handle Motor	RESERVE
12	USB HID and BLE Switch	RESERVE
13-31	0x00	RESERVE



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2 upload (USB)

Describe	Status
0x53	
,	High Byte Middle Byte Low Byte
<u> </u>	High Byte Middle Byte Low Byte
, , ,	High Byte Middle Byte Low Byte
<u> </u>	High Byte Middle Byte Low Byte
` · · · ·	Ing.: 2)to medic 2)to 2011 2)to
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
Button -(NRF51822)	
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
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
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
Sensor_1 value(3Byte)	High Byte Middle Byte Low Byte
Sensor_2 value(3Byte)	High Byte Middle Byte Low Byte
(2D-t-)	High Byte Middle Byte Low Byte
	Ox53 Left Handle Version Right Handle Version Belt Version Walking Machine Version Host Version(NRF51822) Sensor_1 value(3Byte) Sensor_2 value(3Byte) Sensor_3 value(3Byte) Sensor_4 value(3Byte) Walking Machine Rate Working Status-(NRF51822) Battery (NRF51822) Battery (NRF51822) Sensor_accelerator_X Sensor_accelerator_Y Sensor_accelerator_Z Sensor_gyroscope_X Sensor_gyroscope_Z Sensor_magnetometer_X Sensor_magnetometer_X Sensor_magnetometer_X Sensor_magnetometer_Z Sensor_magnetometer_Z Sensor_magnetometer_Z Sensor_magnetometer_Z Sensor_magnetometer_Z





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

Revision history: V1.00: (1)20190104: V1.01: (1)20190114: Add WM LED And PWM Explain