

Equipment simple function instruction

Version: V 1.0.0

Definitions and Declarations

- A. The numbers in this paper are represented by hexadecimal except that they are represented by adding (DEC) after hexadecimal numbers
- B. An integer is represented by a high-order byte before the low-order byte
- C. None in the body of the following agreement means empty, and this field needs to be skipped
- D. XX in the following documents represents an unfixed dynamic value

Instruction description

Device beep CMD_BEEP

Describe

Make the device sound

Command message

Domain	Value	
STX	AA	
INX	XX	
LEN	LH: 00 LL: 06	
DEVICE	DH:XX DL: XX	
CMD	CH: FF CL: 00	
DATA	Time	2byte
CHK	XX	

Data domain

Time: Duration of ringing, unit: ms

Response data domain

Nothing

Example

Beep for 5ms

→ AA BB 00 06 00 00 FF 00 00 05 47

← AA BB 00 05 00 00 FF 00 00 41

Control LED CMD_LED

Describe

Control LED indicator (on or off)

Command message

Domain	Value	
STX	AA	
INX	XX	
LEN	LH: 00 LL: 06	
DEVICE	DH:XX DL: XX	
CMD	CH: FF CL: 01	
DATA	iLED	1byte
	fPower	1byte
CHK	XX	

Data domain

iLED: The serial number of the LED (the number of LEDs). 1-red, 2-green

fPower: Control action, 0 off, 1 on

Response data domain

Nothing

Example

Turn on the green indicator

→ AA BB 00 06 00 00 FF 01 02 01 40

← AA BB 00 05 00 00 FF 01 00 40

Get device power CMD_GET_POWER

Describe

Gets the percentage of battery power remaining in the current device

Command message

Domain	Value
STX	AA
INX	XX
LEN	LH: 00 LL: 04
DEVICE	DH:XX DL: XX
CMD	CH: FF CL: 10
DATA	none
CHK	XX

Data domain

Nothing

Response data domain

The data returned successfully are as follows:

Explain	Length (bytes)
Battery Percentage	1(dec)

Example

→ AA BB 00 04 00 00 FF 10 50

← AA BB 00 06 00 00 FF 10 00 50 02

Shut down CMD_POWER_OFF

Describe

Shut down the device. After receiving the command, the device returns the response first and then performs shutdown

Command message

Domain	Value
STX	AA
INX	XX
LEN	LH: 00 LL: 04
DEVICE	DH:XX DL: XX
CMD	CH: FF CL: FF
DATA	none
CHK	XX

Data domain

Nothing

Response data domain

Nothing

Example

→ AA BB 00 04 00 00 FF FF BF

← AA BB 00 05 00 00 00 FF 00 41

Set automatic shutdown time CMD_SET_PWR_OFF_TIME

Describe

Set the waiting time for automatic shutdown when the device is idle. When the device does not receive command action within this time, it will automatically perform shutdown

Command message

Domain	Value
STX	AA
INX	XX
LEN	LH: 00 LL: 05
DEVICE	DH:XX DL: XX
CMD	CH: FF CL: FE
DATA	Time
CHK	XX

Data domain

Time: Idle shutdown time, in seconds. When set to FE, never shut down.

Response data domain

Nothing

Example

Set idle time to shut down after 60 seconds

→ AA BB 00 05 00 00 FF FE 3C 83

← AA BB 00 05 00 00 FF FE 00 BF