

send command components

BaotouFD FC FB FA

Intra-frame data length (two bytes)

Intra frame data (Command value two bytes +parameter value*Nbyte)

wrap tail04 03 02 01

Receive command components

BaotouFD FC FB FA

Intra-frame data length (two bytes)

return value (two bytes) 00 indicates success, others indicate failure

Intra frame data (Return command value two bytes +return value*N

byte) wrap tail04 03 02 01

Command value:

command type	Command value (two bytes)	command data*N
Module open command mode	0xFF	2Byte host computer version, default01
Module shutdown command mode	0xFE	none
read version number	0x00	none
restart module	0x68	none
Read module configuration parameters	0x08	(2byte parameter name) *N <u>Parameter name see table2</u>
Set module configuration parameters	0x07	(2byte parameter name +4Byte parameter value) * N <u>Parameter name parameter value see table2</u>

surface1

parameter name:

command type	Parameter name (two bytes)	parameter value (4byte)
Minimum detection distance gate	0x00	scope0x00-0x0F
Maximum Detection Range Gate	0x01	scope0x00-0x0F
delay	0x04	scope0x00-0xFF
trigger threshold	0x10-0x1F	scope0-65536
hold threshold	0x20-0x2F	scope0-65536

surface2

Command instructions and parameter values are small fields first

Example: restart module command68, command value0x68 0x00

example:

Query trigger threshold00value, send:FD FC FB FA04 0008 00 10 0004 03 02 01

return:FD FC FB FA08 0008 01 0000 40 9C 00 0004 03 02 01

Parse:

BaotouFD FC FB FAparameter data length08 00return command value08 01 parameter value40 9C 00 00wrap tail04 03

02 01

The read value of the trigger threshold is16Hexadecimal, small field first,9C 40, so the value is60000.

sample command

open command modeFD FC FB FA04 00FF 00 01 0004 03 02 01

reply: FD FC FB FA08 00FF 01 00 00 02 00 20 0004 03 02 01

Disable command modeFD FC FB FA02 00FE 00 04 03 02 01

reply: FD FC FB FA04 00FE 01 00 0004 03 02 01

read version numberFD FC FB FA02 0000 00 04 03 02 01

reply:FD FC FB FA0C 0000 01 00 00 06 00 76 31 2E 35 2E 3404 03 02 01

restart moduleFD FC FB FA02 0068 0004 03 02 01

Read module parameters (minimum distance)FD FC FB FA04 0008 00 00 0004 03 02 01

reply:FD FC FB FA08 0008 01 _____ 0000 00 00 00 0004 03 02 01

Set module parameters (minimum distance00)FD FC FB FA08 0007 00 00 0000 00 00 0004 03 02 01

Successful reply:FD FC FB FA04 0007 01 _____ 0000 04 03 02 01

Read module parameters (maximum distance)FD FC FB FA04 0008 00 01 0004 03 02 01

reply:FD FC FB FA08 0008 01 _____ 0000 0C 00 00 0004 03 02 01

Set module parameters (maximum distance12)FD FC FB FA08 0007 00 01 000C 00 00 0004 03 02 01

Successful reply:FD FC FB FA04 0007 01 _____ 0000 04 03 02 01

Read module parameters (delay time)FD FC FB FA04 0008 00 04 0004 03 02

01 reply:FD FC FB FA08 0008 01 _____ 0000 1E 00 00 0004 03 02 01

Set module parameters (delay time)FD FC FB FA08 0007 00 04 001A 00 00 0004 03 02 01

Successful reply:FD FC FB FA04 0007 01 _____ 0000 04 03 02 01

Read module parameters (hold threshold00)FD FC FB FA04 0008 00 20 0004 03 02 01

reply:FD FC FB FA08 0008 01 _____ 0000 40 9C 00 0004 03 02 01

Set module parameters (hold threshold00)FD FC FB FA08 0007 00 20 0050 C3 00 0004 03 02 01

Successful reply:FD FC FB FA04 0007 01 _____ 0000 04 03 02 01

Read module parameters (trigger threshold00)FD FC FB FA04 0008 00 10 0004 03 02

01 reply:FD FC FB FA08 0008 01 _____ 0000 40 9C 00 0004 03 02 01

Set module parameters (trigger threshold00)FD FC FB FA08 0007 00 10 0050 9C 00 0004 03 02 01

Successful reply:FD FC FB FA04 0007 01 _____ 0000 04 03 02 01

Read module parameters (trigger threshold00-05)

FD FC FB FA0E 0008 00 10 00 11 00 12 00 13 00 14 00 15 0004 03 02 01

Successful reply:FD FC FB FA1C 0008 010000 60 EA 00 00 30 75 00 00 B8 0B 00 00 D0 07 00 00 F4 01
00 00 90 01 00 0004 03 02 01

Set module parameters (trigger threshold00-05)

FD FC FB FA24 0007 00 10 00 60 EA 00 00 11 00 30 75 00 00 12 00 B8 0B 00 00 13 00 D0 07 00 00 14 00 F4
01 00 00 15 00 90 0104 03 02 01 Successful reply:FD FC FB FA04 0007 01
_____ 0000 04 03 02 01