



DREAM CHEEKY™
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Dream Cheeky Ltd.

Big Red Button

Developer Manual v1.0

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Change Notes

Version	Dates	Descriptions
v1.0	12 Nov, 2010	First Release

1 INTRODUCTION

This product contains one cover key and one button. The cover and button status can be getting by PC through USB HID protocol.



2 TECHNICAL INFORMATION

2.1 USB Descriptor Information

The product is accessed through USB Human Interface Device (HID). To use the device, simply enumerate the USB device and find the device with the following VID and PID.

Name	Value
Vendor ID	0x1D34
Product ID	0x000D
Manufacturer String	
Product String	
Version	0x02
Serial Number	/

2.2 USB Packets

The USB report has the size of 8 bytes. The packets and commands are defined as follows.

Commands to the device

Command	Byte							
	0	1	2	3	4	5	6	7
Get Status	0x00	0x00	0x00	0x00	0x00	0x00	0x00	0x02

Response by device

Command	Byte							
	0	1	2	3	4	5	6	7
Acknowledge	/	Status	/	/	/	/	/	/

Status Define

	Bit number	Bit = 0	Bit = 1
Cover	1	Close	Open
Button	0	Press	Not Press

Example

Cover is closed and Button is not pressed: Byte 1 value = 0x15

Cover is open and Button is not pressed: Byte 1 value = 0x17

Cover is open and Button is pressed: Byte 1 value = 0x16

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