

FAQ ION - USB HID commands

Introduction

The host software indicates the status to Dongle through the HID protocol. Dongle transmits control commands and status to the host through the HID protocol.

HID Usage Tables

Telephony Device Page(0x0B) Usages Supported by Device			
Usage ID	Usage Name	Usage Type	Comments
01	Phone	CA(Collection Application)	
20	Hook Switch	OOC(On/Off control)	
97	Line Busy Tone	OOC(On/Off control)	
Button Page(0x09) Usages Support by Device			
07	Button 7	OOC(On/Off control)	Reject call
LED Page(0x08) Usages Supported by Device			
17	Off Hook	OOC	
18	Ring	OOC	
09	Mute	OOC	
20	Hold	OOC	

Protocol format								
Call State Indication(Output) PC=>Device								
Report ID(8bit)	Off-hook(1bit)	Mute(1bit)	Ring(1bit)	Hold(1bit)	Microphone(1bit)	ON_LINE(1bit)	RINGER(1bit)	Reserved(9bit)
Fixed(0x02)	1(off-hook)/0(on-hook)	1(mute)/0(unmute) By Microsoft Teams	1(Ring) /0(non-ring)	Not Used	1(mute)/0(unmute)	Not Used	Not Used	

Control command(Input) Device=>PC									
Report ID (8bit)	Hook Switch (1bit)	Busy (1bit)	Line (1bit)	Mute (1bit)	Flash (1bit)	Redail (1bit)	Speed Dial (1bit)	Reject (1bit)	Reserved (8bit)
Fixed(0x02)	1 valid	1(busy)/0(idle)	Not Used	1 valid	Not Used	Not Used	Not Used	1 valid	