



Appendix. USB Keydown and Keyup codes

Key Name	USB HID code
a A	04
b B	05
c C	06
d D	07
e E	08
f F	09
g G	0A
h H	0B
i I	0C
j J	0D
k K	0E
l L	0F
m M	10
n N	11
o O	12
p P	13
q Q	14
r R	15
s S	16
t T	17
u U	18
v V	19
w W	1A
x X	1B
y Y	1C
z Z	1D
1 !	1E
2 @	1F
3 #	20
4 \$	21
5 %	22
6 ^	23
7 &	24
8 *	25
9 (26
0)	27
Return	28
Escape	29
Backspace	2A
Tab	2B
Space	2C
- _	2D
= +	2E
[{	2F
] }	30
\	31
Europe 1 (<i>See notes</i>)	32
;	33
' "	34
` ~	35
, <	36
. >	37
/ ?	38
Caps Lock	39
F1	3A
F2	3B
F3	3C
F4	3D
F5	3E
F6	3F
F7	40



F8	41
F9	42
F10	43
F11	44
F12	45
Print Screen	46
Scroll Lock	47
Break (Ctrl-Pause)	48
Pause	48
Insert	49
Home	4A
Page Up	4B
Delete	4C
End	4D
Page Down	4E
Right Arrow	4F
Left Arrow	50
Down Arrow	51
Up Arrow	52
Num Lock	53
Keypad /	54
Keypad *	55
Keypad -	56
Keypad +	57
Keypad Enter	58
Keypad 1 End	59
Keypad 2 Down	5A
Keypad 3 PageDn	5B
Keypad 4 Left	5C
Keypad 5	5D
Keypad 6 Right	5E
Keypad 7 Home	5F
Keypad 8 Up	60
Keypad 9 PageUp	61
Keypad 0 Insert	62
Keypad . Delete	63
Europe 2 (<i>See notes</i>)	64
Keypad =	67
F13	68
F14	69
F15	6A
F16	6B
F17	6C
F18	6D
F19	6E
F20	6F
F21	70
F22	71
F23	72
F24	73
Keyboard Execute	74
Keyboard Help	75
Keyboard Menu	76
Keyboard Select	77
Keyboard Stop	78
Keyboard Again	79
Keyboard Undo	7A
Keyboard Cut	7B
Keyboard Copy	7C
Keyboard Paste	7D
Keyboard Find	7E
Keyboard Mute	7F
Keyboard Volume Up	80
Keyboard Volume Dn	81
Keyboard Locking Caps Lock	82



Keyboard Locking Num Lock	83
Keyboard Locking Scroll Lock	84
Keypad , (Brazilian Keypad .)	85
Keyboard Equal Sign	86
Keyboard Int'l 1 (Ro)	87
Keyboard Int'l 2 (Katakana/Hiragana)	88
Keyboard Int'l 2 ¥ (Yen)	89
Keyboard Int'l 4 (Henkan)	8A
Keyboard Int'l 5 (Muhenkan)	8B
Keyboard Int'l 6 (PC9800 Keypad ,)	8C
Keyboard Int'l 7	8D
Keyboard Int'l 8	8E
Keyboard Int'l 9	8F
Keyboard Lang 1 (Hanguel/English)	90
Keyboard Lang 2 (Hanja)	91
Keyboard Lang 3 (Katakana)	92
Keyboard Lang 4 (Hiragana)	93
Keyboard Lang 5 (Zenkaku/Hankaku)	94
Keyboard Lang 6	95
Keyboard Lang 7	96
Keyboard Lang 8	97
Keyboard Lang 9	98
Keyboard Alternate Erase	99
Keyboard SysReq/Attention	9A
Keyboard Cancel	9B
Keyboard Clear	9C
Keyboard Prior	9D
Keyboard Return	9E
Keyboard Separator	9F
Keyboard Out	A0
Keyboard Oper	A1
Keyboard Clear/Again	A2
Keyboard CrSel/Props	A3
Keyboard ExSel	A4
Left Control	E0
Left Shift	E1
Left Alt	E2
Left GUI	E3
Right Control	E4
Right Shift	E5
Right Alt	E6
Right GUI	E7

NOTES

These keys have various legends depending upon the locale for which the keyboard is manufactured. Europe 1 is typically in AT-101 Key Position 42 next to the Enter key. Europe 2 is typically in AT-101 Key Position 45, between the Left Shift and Z keys.