

## VB6 Interfacing the Keyboard

Malcolm Moore  
© 09-Aug-2011

### *The Keyboard Code-List*

With thanks to <http://www.rolbe.com/2009/03/03/vb-keycode-chart/> the Keyboard Key-Code list is rather useful in associating the various keyboard keys to numbers so that duality can be introduced in programming which makes applications particularly user-friendly, as the Keyboard can be used along with the Mouse.

One of the more common user-friendly sub-routine uses is to utilise the Enter Key to execute a common activity after moving a Cursor by the Up/Down Keys. These usability routines can make what is a somewhat awkward program application into an application that appears highly intuitive. A sample subroutine is shown later.

0	No key pressed
1	The LEFT MOUSE Button
2	The RIGHT MOUSE Button
3	CANCEL KEY
4	The MIDDLE MOUSE Button (three-button mouse)
5	The first x mouse button (five-button mouse)
6	The second x mouse button (five-button mouse)
7	Undefined
8	BACKSPACE
9	TAB
10	The LINEFEED key
11	Undefined
12	CLEAR key
13	RETURN/ENTER KEY (next to letters) also ENTER KEY (on number-pad)
14	Undefined
15	Undefined
16	SHIFT
17	CTRL
18	ALT
19	PAUSE / BREAK
20	CAPS LOCK
21	The IME Hanguel mode key / The IME Kana mode key
22	Undefined
23	The IME Junja mode key
24	The IME final mode key
25	The IME Hanja mode key / The IME Kanji mode key
26	Undefined
27	ESC
28	The IME convert key
29	The IME nonconvert key
30	The IME accept key
31	The IME mode change key
32	SPACE BAR
33	PAGE UP / PGUP KEY
34	PAGE DOWN / PGDN KEY
35	END
36	HOME
37	LEFT ARROW KEY
38	UP ARROW KEY
39	RIGHT ARROW KEY
40	DOWN ARROW KEY
41	The SELECT key
42	The PRINT key
43	The EXECUTE key
44	The PRINT SCREEN key
45	INSERT
46	DELETE
47	The HELP key
48	0/) KEY ON KEYBOARD (above letters)
49	1/! KEY ON KEYBOARD (above letters)
50	2/@ KEY ON KEYBOARD (above letters)
51	3/# KEY ON KEYBOARD (above letters)
52	4/\$ KEY ON KEYBOARD (above letters)
53	5/% KEY ON KEYBOARD (above letters)
54	6/^ KEY ON KEYBOARD (above letters)
55	7/& KEY ON KEYBOARD (above letters)

56 8/\* KEY ON KEYBOARD (above letters)  
57 9/( KEY ON KEYBOARD (above letters)  
58 Undefined  
59 Undefined  
60 Undefined  
61 Undefined  
62 Undefined  
63 Undefined  
64 Undefined  
65 A and a KEY  
66 B and b KEY  
67 C and c KEY  
68 D and d KEY  
69 E and e KEY  
70 F and f KEY  
71 G and g KEY  
72 H and h KEY  
73 I and i KEY  
74 J and j KEY  
75 K and k KEY  
76 L and l KEY  
77 M and m KEY  
78 N and n KEY  
79 O and o KEY  
80 P and p KEY  
81 Q and q KEY  
82 R and r KEY  
83 S and s KEY  
84 T and t KEY  
85 U and u KEY  
86 V and v KEY  
87 W and w KEY  
88 X and x KEY  
89 Y and y KEY  
90 Z and z KEY  
91 The left Windows logo key  
92 The right Windows logo key  
93 CONTEXT-MENU KEY (KEY WHICH SIMULATES A RIGHT-MOUSE CLICK)  
94 Reserved  
95 SLEEP/STANDBY KEY ON KEYBOARD  
96 0 KEY (on number-pad)  
97 1 KEY (on number-pad)  
98 2 KEY (on number-pad)  
99 3 KEY (on number-pad)  
100 4 KEY (on number-pad)  
101 5 KEY (on number-pad)  
102 6 KEY (on number-pad)  
103 7 KEY (on number-pad)  
104 8 KEY (on number-pad)  
105 9 KEY (on number-pad)  
106 \* KEY (on number-pad)  
107 + KEY (on number-pad)  
108 The separator key (ENTER key on number-pad)  
109 - KEY (on number-pad)  
110 . KEY (on number-pad)  
111 / KEY (on number-pad)  
112 F1  
113 F2  
114 F3  
115 F4  
116 F5  
117 F6  
118 F7  
119 F8  
120 F9  
121 F10  
122 F11  
123 F12  
124 F13  
125 F14  
126 F15  
127 F16  
128 F17  
129 F18  
130 F19  
131 F20  
132 F21  
133 F22  
134 F23  
135 F24

136 Unassigned  
137 Unassigned  
138 Unassigned  
139 Unassigned  
140 Unassigned  
141 Unassigned  
142 Unassigned  
143 Unassigned  
144 NUM LOCK  
145 SCROLL LOCK  
146 OEM specific  
147 OEM specific  
148 OEM specific  
149 OEM specific  
150 OEM specific  
151 Unassigned  
152 Unassigned  
153 Unassigned  
154 Unassigned  
155 Unassigned  
156 Unassigned  
157 Unassigned  
158 Unassigned  
159 Unassigned  
160 The left SHIFT key  
161 The right SHIFT key  
162 The left CTRL key  
163 The right CTRL key  
164 The left ALT key  
165 The right ALT key  
166 BROWSER BACK KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
167 BROWSER FORWARD KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
168 BROWSER REFRESH KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
169 BROWSER STOP KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
170 BROWSER SEARCH KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
171 BROWSER FAVORITES KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
172 BROWSER HOME KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
173 MUTE KEY ON KEYBOARD / MEDIA-CONTROL (Windows 2000 or later)  
174 VOLUME DOWN KEY ON KEYBOARD / MEDIA-CONTROL (Windows 2000 or later)  
175 VOLUME UP KEY ON KEYBOARD / MEDIA-CONTROL (Windows 2000 or later)  
176 The media next track key (Windows 2000 or later)  
177 The media previous track key (Windows 2000 or later)  
178 The media Stop key (Windows 2000 or later)  
179 The media play pause key (Windows 2000 or later)  
180 The launch mail key / E-MAIL KEY ON KEYBOARD / INTERNET-CONTROL (Windows 2000 or later)  
181 The select media key / MEDIA KEY ON KEYBOARD / MEDIA-CONTROL (Windows 2000 or later)  
182 The start application one key (Windows 2000 or later)  
183 The start application two key (Windows 2000 or later)  
184 Reserved  
185 Reserved  
186 Semicolon ; and Colon : KEY  
187 =/+ KEY ON KEYBOARD (above letters)  
188 Comma , and < KEY  
189 -/\_ KEY ON KEYBOARD (above letters)  
190 Period . and > KEY  
191 / and ? KEY  
192 ~ and ` KEY ON KEYBOARD  
193 Reserved  
194 Reserved  
195 Reserved  
196 Reserved  
197 Reserved  
198 Reserved  
199 Reserved  
200 Reserved  
201 Reserved  
202 Reserved  
203 Reserved  
204 Reserved  
205 Reserved  
206 Reserved  
207 Reserved  
208 Reserved  
209 Reserved  
210 Reserved  
211 Reserved  
212 Reserved  
213 Reserved  
214 Reserved  
215 Reserved

216 Unassigned  
 217 Unassigned  
 218 Unassigned  
 219 [ and { KEY  
 220 and | KEY  
 221 ] and } KEY  
 222 Apostrophe ' and Inverted Commas " KEY  
 223 Used for miscellaneous characters; it can vary by keyboard  
 224 Reserved  
 225 OEM specific  
 226 The OEM angle bracket or backslash key on the RT 102 key keyboard (Windows 2000 or later)  
 227 OEM specific  
 228 OEM specific  
 229 The PROCESS KEY key (IME PROCESS KEY)  
 230 Oem specific  
 231 Used to pass Unicode characters as if they were keystrokes (Windows 2000 or later)  
 232 Unassigned  
 233 OEM specific  
 234 OEM specific  
 235 OEM specific  
 236 OEM specific  
 237 OEM specific  
 238 OEM specific  
 239 OEM specific  
 240 OEM specific  
 241 OEM specific  
 242 OEM specific  
 243 OEM specific  
 244 OEM specific  
 245 OEM specific  
 246 The ATTN key  
 247 The CRSEL key  
 248 The EXSEL key  
 249 The ERASE EOF key  
 250 The PLAY key  
 251 The ZOOM key  
 252 Reserved for future use  
 253 The PA1 key  
 254 The CLEAR key  
 255 OTHER / MISC KEY ON KEYBOARD

### ***An Interfacing Subroutine***

This little subroutine makes it possible to cause screen activities without waiting to use the mouse:

```

Private Sub HScroll12_KeyDown(KeyCode As Integer, Shift As Integer)
  'This is the Scroll Control on the Bottom Right
  If KeyCode = 37 Then ' Arrow Left
    'Scroll chart to the Left
    ScrollLeft
  ElseIf KeyCode = 39 Then ' Arrow Right
    'Scroll Chart to the Right
    ScrollRight
  ElseIf KeyCode = 38 Then ' Arrow Up
    'Decrease Span (Zoom In)
    ZoomIn
  ElseIf KeyCode = 40 Then ' Arrow Down
    'Increase Span (Zoom Out)
    ZoomOut
  ElseIf KeyCode = 33 Then ' Page Up
    'Move up the Recent List
    frmRecent1.RecentStep (-1)
    UpdateScreen
  ElseIf KeyCode = 34 Then ' Page Down
    'Move down the Recent list
    frmRecent1.RecentStep (1)
    UpdateScreen
  End If
End Sub
  
```