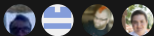


# Virtual-Key Codes

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The following table shows the symbolic constant names, hexadecimal values, and mouse or keyboard equivalents for the virtual-key codes used by the system. The codes are listed in numeric order.

Constant/value	Description
<b>VK_LBUTTON</b> 0x01	Left mouse button
<b>VK_RBUTTON</b> 0x02	Right mouse button
<b>VK_CANCEL</b> 0x03	Control-break processing
<b>VK_MBUTTON</b> 0x04	Middle mouse button (three-button mouse)
<b>VK_XBUTTON1</b> 0x05	X1 mouse button
<b>VK_XBUTTON2</b> 0x06	X2 mouse button
- 0x07	Undefined

Constant/value	Description
<b>VK_BACK</b> 0x08	BACKSPACE key
<b>VK_TAB</b> 0x09	TAB key
- 0x0A-0B	Reserved
<b>VK_CLEAR</b> 0x0C	CLEAR key
<b>VK_RETURN</b> 0x0D	ENTER key
- 0x0E-0F	Undefined
<b>VK_SHIFT</b> 0x10	SHIFT key
<b>VK_CONTROL</b> 0x11	CTRL key
<b>VK_MENU</b> 0x12	ALT key
<b>VK_PAUSE</b> 0x13	PAUSE key
<b>VK_CAPITAL</b> 0x14	CAPS LOCK key

Constant/value	Description
<b>VK_KANA</b> 0x15	IME Kana mode
<b>VK_HANGUEL</b> 0x15	IME Hanguel mode (maintained for compatibility; use <b>VK_HANGUL</b> )
<b>VK_HANGUL</b> 0x15	IME Hangul mode
<b>VK_IME_ON</b> 0x16	IME On
<b>VK_JUNJA</b> 0x17	IME Junja mode
<b>VK_FINAL</b> 0x18	IME final mode
<b>VK_HANJA</b> 0x19	IME Hanja mode
<b>VK_KANJI</b> 0x19	IME Kanji mode
<b>VK_IME_OFF</b> 0x1A	IME Off
<b>VK_ESCAPE</b> 0x1B	ESC key
<b>VK_CONVERT</b> 0x1C	IME convert

Constant/value	Description
<b>VK_NONCONVERT</b> 0x1D	IME nonconvert
<b>VK_ACCEPT</b> 0x1E	IME accept
<b>VK_MODECHANGE</b> 0x1F	IME mode change request
<b>VK_SPACE</b> 0x20	SPACEBAR
<b>VK_PRIOR</b> 0x21	PAGE UP key
<b>VK_NEXT</b> 0x22	PAGE DOWN key
<b>VK_END</b> 0x23	END key
<b>VK_HOME</b> 0x24	HOME key
<b>VK_LEFT</b> 0x25	LEFT ARROW key
<b>VK_UP</b> 0x26	UP ARROW key
<b>VK_RIGHT</b> 0x27	RIGHT ARROW key

Constant/value	Description
<b>VK_DOWN</b> 0x28	DOWN ARROW key
<b>VK_SELECT</b> 0x29	SELECT key
<b>VK_PRINT</b> 0x2A	PRINT key
<b>VK_EXECUTE</b> 0x2B	EXECUTE key
<b>VK_SNAPSHOT</b> 0x2C	PRINT SCREEN key
<b>VK_INSERT</b> 0x2D	INS key
<b>VK_DELETE</b> 0x2E	DEL key
<b>VK_HELP</b> 0x2F	HELP key
0x30	0 key
0x31	1 key
0x32	2 key
0x33	3 key

Constant/value	Description
0x34	4 key
0x35	5 key
0x36	6 key
0x37	7 key
0x38	8 key
0x39	9 key
- 0x3A-40	Undefined
0x41	A key
0x42	B key
0x43	C key
0x44	D key
0x45	E key
0x46	F key
0x47	G key
0x48	H key

Constant/value	Description
0x49	I key
0x4A	J key
0x4B	K key
0x4C	L key
0x4D	M key
0x4E	N key
0x4F	O key
0x50	P key
0x51	Q key
0x52	R key
0x53	S key
0x54	T key
0x55	U key
0x56	V key
0x57	W key
0x58	X key

Constant/value	Description
0x59	Y key
0x5A	Z key
<b>VK_LWIN</b> 0x5B	Left Windows key (Natural keyboard)
<b>VK_RWIN</b> 0x5C	Right Windows key (Natural keyboard)
<b>VK_APPS</b> 0x5D	Applications key (Natural keyboard)
- 0x5E	Reserved
<b>VK_SLEEP</b> 0x5F	Computer Sleep key
<b>VK_NUMPAD0</b> 0x60	Numeric keypad 0 key
<b>VK_NUMPAD1</b> 0x61	Numeric keypad 1 key
<b>VK_NUMPAD2</b> 0x62	Numeric keypad 2 key
<b>VK_NUMPAD3</b> 0x63	Numeric keypad 3 key



Constant/value	Description
<b>VK_NUMPAD4</b> 0x64	Numeric keypad 4 key
<b>VK_NUMPAD5</b> 0x65	Numeric keypad 5 key
<b>VK_NUMPAD6</b> 0x66	Numeric keypad 6 key
<b>VK_NUMPAD7</b> 0x67	Numeric keypad 7 key
<b>VK_NUMPAD8</b> 0x68	Numeric keypad 8 key
<b>VK_NUMPAD9</b> 0x69	Numeric keypad 9 key
<b>VK_MULTIPLY</b> 0x6A	Multiply key
<b>VK_ADD</b> 0x6B	Add key
<b>VK_SEPARATOR</b> 0x6C	Separator key
<b>VK_SUBTRACT</b> 0x6D	Subtract key
<b>VK_DECIMAL</b> 0x6E	Decimal key

Constant/value	Description
<b>VK_DIVIDE</b> 0x6F	Divide key
<b>VK_F1</b> 0x70	F1 key
<b>VK_F2</b> 0x71	F2 key
<b>VK_F3</b> 0x72	F3 key
<b>VK_F4</b> 0x73	F4 key
<b>VK_F5</b> 0x74	F5 key
<b>VK_F6</b> 0x75	F6 key
<b>VK_F7</b> 0x76	F7 key
<b>VK_F8</b> 0x77	F8 key
<b>VK_F9</b> 0x78	F9 key
<b>VK_F10</b> 0x79	F10 key

Constant/value	Description
<b>VK_F11</b> 0x7A	F11 key
<b>VK_F12</b> 0x7B	F12 key
<b>VK_F13</b> 0x7C	F13 key
<b>VK_F14</b> 0x7D	F14 key
<b>VK_F15</b> 0x7E	F15 key
<b>VK_F16</b> 0x7F	F16 key
<b>VK_F17</b> 0x80	F17 key
<b>VK_F18</b> 0x81	F18 key
<b>VK_F19</b> 0x82	F19 key
<b>VK_F20</b> 0x83	F20 key
<b>VK_F21</b> 0x84	F21 key

Constant/value	Description
<b>VK_F22</b> 0x85	F22 key
<b>VK_F23</b> 0x86	F23 key
<b>VK_F24</b> 0x87	F24 key
- 0x88-8F	Unassigned
<b>VK_NUMLOCK</b> 0x90	NUM LOCK key
<b>VK_SCROLL</b> 0x91	SCROLL LOCK key
0x92-96	OEM specific
- 0x97-9F	Unassigned
<b>VK_LSHIFT</b> 0xA0	Left SHIFT key
<b>VK_RSHIFT</b> 0xA1	Right SHIFT key
<b>VK_LCONTROL</b> 0xA2	Left CONTROL key

Constant/value	Description
<b>VK_RCONTROL</b> 0xA3	Right CONTROL key
<b>VK_LMENU</b> 0xA4	Left MENU key
<b>VK_RMENU</b> 0xA5	Right MENU key
<b>VK_BROWSER_BACK</b> 0xA6	Browser Back key
<b>VK_BROWSER_FORWARD</b> 0xA7	Browser Forward key
<b>VK_BROWSER_REFRESH</b> 0xA8	Browser Refresh key
<b>VK_BROWSER_STOP</b> 0xA9	Browser Stop key
<b>VK_BROWSER_SEARCH</b> 0xAA	Browser Search key
<b>VK_BROWSER_FAVORITES</b> 0xAB	Browser Favorites key
<b>VK_BROWSER_HOME</b> 0xAC	Browser Start and Home key
<b>VK_VOLUME_MUTE</b> 0xAD	Volume Mute key

Constant/value	Description
<b>VK_VOLUME_DOWN</b> 0xAE	Volume Down key
<b>VK_VOLUME_UP</b> 0xAF	Volume Up key
<b>VK_MEDIA_NEXT_TRACK</b> 0xB0	Next Track key
<b>VK_MEDIA_PREV_TRACK</b> 0xB1	Previous Track key
<b>VK_MEDIA_STOP</b> 0xB2	Stop Media key
<b>VK_MEDIA_PLAY_PAUSE</b> 0xB3	Play/Pause Media key
<b>VK_LAUNCH_MAIL</b> 0xB4	Start Mail key
<b>VK_LAUNCH_MEDIA_SELECT</b> 0xB5	Select Media key
<b>VK_LAUNCH_APP1</b> 0xB6	Start Application 1 key
<b>VK_LAUNCH_APP2</b> 0xB7	Start Application 2 key
- 0xB8-B9	Reserved

Constant/value	Description
<b>VK_OEM_1</b> 0xBA	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the ';' key
<b>VK_OEM_PLUS</b> 0xBB	For any country/region, the '+' key
<b>VK_OEM_COMMA</b> 0xBC	For any country/region, the ',' key
<b>VK_OEM_MINUS</b> 0xBD	For any country/region, the '-' key
<b>VK_OEM_PERIOD</b> 0xBE	For any country/region, the '.' key
<b>VK_OEM_2</b> 0xBF	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '/' key
<b>VK_OEM_3</b> 0xC0	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '~' key
- 0xC1-D7	Reserved
- 0xD8-DA	Unassigned
<b>VK_OEM_4</b> 0xDB	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '[' key
<b>VK_OEM_5</b> 0xDC	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '\ ' key

Constant/value	Description
<b>VK_OEM_6</b> 0xDD	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '}]' key
<b>VK_OEM_7</b> 0xDE	Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the 'single-quote/double-quote' key
<b>VK_OEM_8</b> 0xDF	Used for miscellaneous characters; it can vary by keyboard.
- 0xE0	Reserved
0xE1	OEM specific
<b>VK_OEM_102</b> 0xE2	Either the angle bracket key or the backslash key on the RT 102-key keyboard
0xE3-E4	OEM specific
<b>VK_PROCESSKEY</b> 0xE5	IME PROCESS key
0xE6	OEM specific
<b>VK_PACKET</b> 0xE7	Used to pass Unicode characters as if they were keystrokes. The VK_PACKET key is the low word of a 32-bit Virtual Key value used for non-keyboard input methods. For more information, see Remark in <a href="#">KEYBDINPUT</a> , <a href="#">SendInput</a> , <a href="#">WM_KEYDOWN</a> , and <a href="#">WM_KEYUP</a>
- 0xE8	Unassigned
0xE9-F5	OEM specific



Constant/value	Description
<b>VK_ATTN</b> 0xF6	Attn key
<b>VK_CRSEL</b> 0xF7	CrSel key
<b>VK_EXSEL</b> 0xF8	ExSel key
<b>VK_EREOF</b> 0xF9	Erase EOF key
<b>VK_PLAY</b> 0xFA	Play key
<b>VK_ZOOM</b> 0xFB	Zoom key
<b>VK_NONAME</b> 0xFC	Reserved
<b>VK_PA1</b> 0xFD	PA1 key
<b>VK_OEM_CLEAR</b> 0xFE	Clear key

# Requirements

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