

Virtual-Key Codes

 docs.microsoft.com/en-us/windows/desktop/inputdev/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 |
|----------------------------|--|
| VK_LBUTTON 0x01 | Left mouse button |
| VK_RBUTTON 0x02 | Right mouse button |
| VK_CANCEL 0x03 | Control-break processing |
| VK_MBUTTON 0x04 | Middle mouse button (three-button mouse) |
| VK_XBUTTON1 0x05 | X1 mouse button |
| VK_XBUTTON2 0x06 | X2 mouse button |
| - 0x07 | Undefined |
| VK_BACK 0x08 | BACKSPACE key |
| VK_TAB 0x09 | TAB key |
| - 0x0A-0B | Reserved |
| VK_CLEAR 0x0C | CLEAR key |

| Constant/value | Description |
|---------------------------|---|
| VK_RETURN 0x0D | ENTER key |
| - 0x0E-0F | Undefined |
| VK_SHIFT 0x10 | SHIFT key |
| VK_CONTROL 0x11 | CTRL key |
| VK_MENU 0x12 | ALT key |
| VK_PAUSE 0x13 | PAUSE key |
| VK_CAPITAL 0x14 | CAPS LOCK key |
| VK_KANA 0x15 | IME Kana mode |
| VK_HANGUEL 0x15 | IME Hanguel mode (maintained for compatibility; use VK_HANGUL) |
| VK_HANGUL 0x15 | IME Hangul mode |
| - 0x16 | Undefined |
| VK_JUNJA 0x17 | IME Junja mode |
| VK_FINAL 0x18 | IME final mode |
| VK_HANJA 0x19 | IME Hanja mode |

| Constant/value | Description |
|------------------------------|-------------------------|
| VK_KANJI 0x19 | IME Kanji mode |
| - 0x1A | Undefined |
| VK_ESCAPE 0x1B | ESC key |
| VK_CONVERT 0x1C | IME convert |
| VK_NONCONVERT 0x1D | IME nonconvert |
| VK_ACCEPT 0x1E | IME accept |
| VK_MODECHANGE 0x1F | IME mode change request |
| VK_SPACE 0x20 | SPACEBAR |
| VK_PRIOR 0x21 | PAGE UP key |
| VK_NEXT 0x22 | PAGE DOWN key |
| VK_END 0x23 | END key |
| VK_HOME 0x24 | HOME key |
| VK_LEFT 0x25 | LEFT ARROW key |
| VK_UP 0x26 | UP ARROW key |

| Constant/value | Description |
|-----------------------------------|------------------|
| VK_RIGHT 0x27 | RIGHT ARROW key |
| VK_DOWN 0x28 | DOWN ARROW key |
| VK_SELECT 0x29 | SELECT key |
| VK_PRINT 0x2A | PRINT key |
| VK_EXECUTE 0x2B | EXECUTE key |
| VK_SNAPSHOT 0x2C | PRINT SCREEN key |
| VK_INSERT 0x2D | INS key |
| VK_DELETE 0x2E | DEL key |
| VK_HELP 0x2F | HELP key |
| 0x30 | 0 key |
| 0x31 | 1 key |
| 0x32 | 2 key |
| 0x33 | 3 key |
| 0x34 | 4 key |
| 0x35 | 5 key |
| 0x36 | 6 key |

| Constant/value | Description |
|----------------------|-------------|
| 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 |
| 0x49 | I key |
| 0x4A | J key |
| 0x4B | K key |
| 0x4C | L key |
| 0x4D | M key |
| 0x4E | N key |
| 0x4F | O key |
| 0x50 | P key |

| Constant/value | Description |
|----------------------------------|--------------------------------------|
| 0x51 | Q key |
| 0x52 | R key |
| 0x53 | S key |
| 0x54 | T key |
| 0x55 | U key |
| 0x56 | V key |
| 0x57 | W key |
| 0x58 | X key |
| 0x59 | Y key |
| 0x5A | Z key |
| VK_LWIN 0x5B | Left Windows key (Natural keyboard) |
| VK_RWIN 0x5C | Right Windows key (Natural keyboard) |
| VK_APPS 0x5D | Applications key (Natural keyboard) |
| - 0x5E | Reserved |
| VK_SLEEP 0x5F | Computer Sleep key |
| VK_NUMPAD0 0x60 | Numeric keypad 0 key |
| VK_NUMPAD1 0x61 | Numeric keypad 1 key |

| Constant/value | Description |
|-----------------------------|----------------------|
| VK_NUMPAD2 0x62 | Numeric keypad 2 key |
| VK_NUMPAD3 0x63 | Numeric keypad 3 key |
| VK_NUMPAD4 0x64 | Numeric keypad 4 key |
| VK_NUMPAD5 0x65 | Numeric keypad 5 key |
| VK_NUMPAD6 0x66 | Numeric keypad 6 key |
| VK_NUMPAD7 0x67 | Numeric keypad 7 key |
| VK_NUMPAD8 0x68 | Numeric keypad 8 key |
| VK_NUMPAD9 0x69 | Numeric keypad 9 key |
| VK_MULTIPLY 0x6A | Multiply key |
| VK_ADD 0x6B | Add key |
| VK_SEPARATOR 0x6C | Separator key |
| VK_SUBTRACT 0x6D | Subtract key |
| VK_DECIMAL 0x6E | Decimal key |
| VK_DIVIDE 0x6F | Divide key |

| Constant/value | Description |
|-----------------------|-------------|
| VK_F1 0x70 | F1 key |
| VK_F2 0x71 | F2 key |
| VK_F3 0x72 | F3 key |
| VK_F4 0x73 | F4 key |
| VK_F5 0x74 | F5 key |
| VK_F6 0x75 | F6 key |
| VK_F7 0x76 | F7 key |
| VK_F8 0x77 | F8 key |
| VK_F9 0x78 | F9 key |
| VK_F10 0x79 | F10 key |
| VK_F11 0x7A | F11 key |
| VK_F12 0x7B | F12 key |
| VK_F13 0x7C | F13 key |
| VK_F14 0x7D | F14 key |

| Constant/value | Description |
|---------------------------|-----------------|
| VK_F15 0x7E | F15 key |
| VK_F16 0x7F | F16 key |
| VK_F17 0x80 | F17 key |
| VK_F18 0x81 | F18 key |
| VK_F19 0x82 | F19 key |
| VK_F20 0x83 | F20 key |
| VK_F21 0x84 | F21 key |
| VK_F22 0x85 | F22 key |
| VK_F23 0x86 | F23 key |
| VK_F24 0x87 | F24 key |
| - 0x88-8F | Unassigned |
| VK_NUMLOCK 0x90 | NUM LOCK key |
| VK_SCROLL 0x91 | SCROLL LOCK key |
| 0x92-96 | OEM specific |
| - 0x97-9F | Unassigned |

| Constant/value | Description |
|-------------------------------------|----------------------------|
| VK_LSHIFT 0xA0 | Left SHIFT key |
| VK_RSHIFT 0xA1 | Right SHIFT key |
| VK_LCONTROL 0xA2 | Left CONTROL key |
| VK_RCONTROL 0xA3 | Right CONTROL key |
| VK_LMENU 0xA4 | Left MENU key |
| VK_RMENU 0xA5 | Right MENU key |
| VK_BROWSER_BACK 0xA6 | Browser Back key |
| VK_BROWSER_FORWARD 0xA7 | Browser Forward key |
| VK_BROWSER_REFRESH 0xA8 | Browser Refresh key |
| VK_BROWSER_STOP 0xA9 | Browser Stop key |
| VK_BROWSER_SEARCH 0xAA | Browser Search key |
| VK_BROWSER_FAVORITES 0xAB | Browser Favorites key |
| VK_BROWSER_HOME 0xAC | Browser Start and Home key |
| VK_VOLUME_MUTE 0xAD | Volume Mute key |

| Constant/value | Description |
|---------------------------------------|--|
| VK_VOLUME_DOWN 0xAE | Volume Down key |
| VK_VOLUME_UP 0xAF | Volume Up key |
| VK_MEDIA_NEXT_TRACK 0xB0 | Next Track key |
| VK_MEDIA_PREV_TRACK 0xB1 | Previous Track key |
| VK_MEDIA_STOP 0xB2 | Stop Media key |
| VK_MEDIA_PLAY_PAUSE 0xB3 | Play/Pause Media key |
| VK_LAUNCH_MAIL 0xB4 | Start Mail key |
| VK_LAUNCH_MEDIA_SELECT 0xB5 | Select Media key |
| VK_LAUNCH_APP1 0xB6 | Start Application 1 key |
| VK_LAUNCH_APP2 0xB7 | Start Application 2 key |
| - 0xB8-B9 | Reserved |
| VK_OEM_1 0xBA | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the ';' key |
| VK_OEM_PLUS 0xBB | For any country/region, the '+' key |
| VK_OEM_COMMA 0xBC | For any country/region, the ',' key |

| Constant/value | Description |
|------------------------------|--|
| VK_OEM_MINUS 0xBD | For any country/region, the '-' key |
| VK_OEM_PERIOD 0xBE | For any country/region, the '.' key |
| VK_OEM_2 0xBF | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '/' key |
| VK_OEM_3 0xC0 | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '~' key |
| - 0xC1-D7 | Reserved |
| - 0xD8-DA | Unassigned |
| VK_OEM_4 0xDB | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '[' key |
| VK_OEM_5 0xDC | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the '\ ' key |
| VK_OEM_6 0xDD | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the ']' key |
| VK_OEM_7 0xDE | Used for miscellaneous characters; it can vary by keyboard. For the US standard keyboard, the 'single-quote/double-quote' key |
| VK_OEM_8 0xDF | Used for miscellaneous characters; it can vary by keyboard. |
| - 0xE0 | Reserved |
| 0xE1 | OEM specific |
| VK_OEM_102 0xE2 | Either the angle bracket key or the backslash key on the RT 102-key keyboard |

| Constant/value | Description |
|-------------------------------------|---|
| 0xE3-E4 | OEM specific |
| VK_PROCESSKEY 0xE5 | IME PROCESS key |
| 0xE6 | OEM specific |
| VK_PACKET 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 KEYBDINPUT , SendInput , WM_KEYDOWN , and WM_KEYUP |
| - 0xE8 | Unassigned |
| 0xE9-F5 | OEM specific |
| VK_ATTN 0xF6 | Attn key |
| VK_CRSEL 0xF7 | CrSel key |
| VK_EXSEL 0xF8 | ExSel key |
| VK_EREOF 0xF9 | Erase EOF key |
| VK_PLAY 0xFA | Play key |
| VK_ZOOM 0xFB | Zoom key |
| VK_NONAME 0xFC | Reserved |
| VK_PA1 0xFD | PA1 key |

| Constant/value | Description |
|------------------------------------|-------------|
| VK_OEM_CLEAR 0xFE | Clear key |

Requirements

| | |
|--------------------------|---|
| Minimum supported client | Windows 2000 Professional [desktop apps only] |
| Minimum supported server | Windows 2000 Server [desktop apps only] |
| Header | Winuser.h |