

# Wavelink Velocity

## Keyboard Codes

### 5250 Emulation Keys

| 5250 Key       | Named Value   | Hex Value  |
|----------------|---------------|------------|
| Attention      | {attention}   | {hex:0001} |
| Backspace      | {backspace}   | {hex:0008} |
| Back Tab       | {back-tab}    | {hex:E00F} |
| Clear          | {clear}       | {hex:0003} |
| Delete         | {delete}      | {hex:E053} |
| Dup            | {dup}         | {hex:E04F} |
| Enter          | {send}        | {hex:000A} |
| Erase Input    | {erase-input} | {hex:0005} |
| Field Exit     | {field-exit}  | {hex:000D} |
| Field Minus    | {field-minus} | {hex:E076} |
| Field Plus     | {field-plus}  | {hex:E084} |
| Free Cursor    | {free-cursor} | {hex:E021} |
| Help           | {help}        | {hex:0007} |
| Home           | {home}        | {hex:E047} |
| Insert         | {insert}      | {hex:E052} |
| Print          | {print}       | {hex:0010} |
| Quiet Mode     | {quiet-mode}  | {hex:E010} |
| Reset          | {reset}       | {hex:001B} |
| Roll Up        | {roll-up}     | {hex:E049} |
| Roll Down      | {roll-down}   | {hex:E051} |
| System Request | {system-req}  | {hex:0013} |
| Tab            | {tab}         | {hex:0009} |
| Left Arrow     | {left}        | {hex:E04B} |
| Right Arrow    | {right}       | {hex:E04D} |
| Up Arrow       | {up}          | {hex:E048} |
| Down Arrow     | {down}        | {hex:E050} |

| 5250 Key | Named Value | Hex Value  |
|----------|-------------|------------|
| F1       | {F1}        | {hex:E03B} |
| F2       | {F2}        | {hex:E03C} |
| F3       | {F3}        | {hex:E03D} |
| F4       | {F4}        | {hex:E03E} |
| F5       | {F5}        | {hex:E03F} |
| F6       | {F6}        | {hex:E040} |
| F7       | {F7}        | {hex:E041} |
| F8       | {F8}        | {hex:E042} |
| F9       | {F9}        | {hex:E043} |
| F10      | {F10}       | {hex:E044} |
| F11      | {F11}       | {hex:E054} |
| F12      | {F12}       | {hex:E055} |
| F13      | {F13}       | {hex:E056} |
| F14      | {F14}       | {hex:E057} |
| F15      | {F15}       | {hex:E058} |
| F16      | {F16}       | {hex:E059} |
| F17      | {F17}       | {hex:E05A} |
| F18      | {F18}       | {hex:E05B} |
| F19      | {F19}       | {hex:E05C} |
| F20      | {F20}       | {hex:E05D} |
| F21      | {F21}       | {hex:E05E} |
| F22      | {F22}       | {hex:E05F} |
| F23      | {F23}       | {hex:E060} |
| F24      | {F24}       | {hex:E061} |

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### 3270 Emulation Keys

| 3270 Key       | Named Value   | Hex Value  |
|----------------|---------------|------------|
| Attention      | {attention}   | {hex:0001} |
| Backspace      | {backspace}   | {hex:0008} |
| Back Tab       | {back-tab}    | {hex:E00F} |
| Clear          | {clear-3270}  | {hex:001B} |
| Delete         | {delete}      | {hex:E053} |
| Dup            | {dup}         | {hex:E04F} |
| Enter          | {enter}       | {hex:000D} |
| Erase EOF      | {erase-eof}   | {hex:000F} |
| Erase Input    | {erase-input} | {hex:0005} |
| Field Mark     | {field-mark}  | {hex:0006} |
| Free Cursor    | {free-cursor} | {hex:E021} |
| Home           | {home}        | {hex:E047} |
| Insert         | {insert}      | {hex:E052} |
| New Line       | {new-line}    | {hex:000E} |
| Quiet Mode     | {quiet-mode}  | {hex:E010} |
| Reset          | {reset-3270}  | {hex:001B} |
| System Request | {system-req}  | {hex:0013} |
| Tab            | {tab}         | {hex:0009} |
| Left Arrow     | {left}        | {hex:E04B} |
| Right Arrow    | {right}       | {hex:E04D} |
| Up Arrow       | {up}          | {hex:E048} |
| Down Arrow     | {down}        | {hex:E050} |
| PA1            | {pa1}         | {hex:EE31} |
| PA2            | {pa2}         | {hex:EE32} |
| PA3            | {pa3}         | {hex:EE33} |

| 3270 Key | Named Value | Hex Value  |
|----------|-------------|------------|
| F1       | {F1}        | {hex:E03B} |
| F2       | {F2}        | {hex:E03C} |
| F3       | {F3}        | {hex:E03D} |
| F4       | {F4}        | {hex:E03E} |
| F5       | {F5}        | {hex:E03F} |
| F6       | {F6}        | {hex:E040} |
| F7       | {F7}        | {hex:E041} |
| F8       | {F8}        | {hex:E042} |
| F9       | {F9}        | {hex:E043} |
| F10      | {F10}       | {hex:E044} |
| F11      | {F11}       | {hex:E054} |
| F12      | {F12}       | {hex:E055} |
| F13      | {F13}       | {hex:E056} |
| F14      | {F14}       | {hex:E057} |
| F15      | {F15}       | {hex:E058} |
| F16      | {F16}       | {hex:E059} |
| F17      | {F17}       | {hex:E05A} |
| F18      | {F18}       | {hex:E05B} |
| F19      | {F19}       | {hex:E05C} |
| F20      | {F20}       | {hex:E05D} |
| F21      | {F21}       | {hex:E05E} |
| F22      | {F22}       | {hex:E05F} |
| F23      | {F23}       | {hex:E060} |
| F24      | {F24}       | {hex:E061} |

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## Keyboard Codes

### VT-100 Emulation Keys

| VT-100 Key | Named Value  | Hex Value  |
|------------|--------------|------------|
| Return     | {return}     | {hex:000D} |
| Backspace  | {backspace}  | {hex:0008} |
| Tab        | {tab}        | {hex:0009} |
| Up Arrow   | {up}         | {hex:E048} |
| Left Arrow | {left}       | {hex:E04B} |
| ESC        | {ESC}        | {hex:001B} |
| BS         | {BS}         | {hex:0008} |
| LF         | {LF}         | {hex:000A} |
| Hard Reset | {hard-reset} | {hex:E023} |

| VT-100 Key         | Named Value | Hex Value  |
|--------------------|-------------|------------|
| Enter              | {enter-vt}  | {hex:E012} |
| Backspace (Delete) | {DEL}       | {hex:007F} |
| Backtab            | {back-tab}  | {hex:E00F} |
| Down Arrow         | {down}      | {hex:E050} |
| Right Arrow        | {right}     | {hex:E04D} |
| PF1                | {F1}        | {hex:E03B} |
| PF2                | {F2}        | {hex:E03C} |
| PF3                | {F3}        | {hex:E03D} |
| PF4                | {F4}        | {hex:E03E} |

### VT-220 Emulation Keys

| VT-220 Key  | Named Value   | Hex Value  |
|-------------|---------------|------------|
| Return      | {return}      | {hex:000D} |
| Backspace   | {backspace}   | {hex:0008} |
| Tab         | {tab}         | {hex:0009} |
| Up Arrow    | {up}          | {hex:E048} |
| Left Arrow  | {left}        | {hex:E04B} |
| Hard Reset  | {hard-reset}  | {hex:E023} |
| Find        | {find}        | {hex:E047} |
| Insert Here | {insert-here} | {hex:E052} |
| Prev Screen | {prev-screen} | {hex:E049} |
| PF1         | {F1}          | {hex:E03B} |
| PF2         | {F2}          | {hex:E03C} |
| PF3         | {F3}          | {hex:E03D} |
| PF4         | {F4}          | {hex:E03E} |
| BREAK       | {F5}          | {hex:E03F} |
| F6          | {F6}          | {hex:E040} |
| F7          | {F7}          | {hex:E041} |
| F8          | {F8}          | {hex:E042} |
| F9          | {F9}          | {hex:E043} |
| F10         | {F10}         | {hex:E044} |

| VT-220 Key         | Named Value   | Hex Value  |
|--------------------|---------------|------------|
| Enter              | {enter-vt}    | {hex:E012} |
| Backspace (Delete) | {DEL}         | {hex:007F} |
| Backtab            | {back-tab}    | {hex:E00F} |
| Down Arrow         | {down}        | {hex:E050} |
| Right Arrow        | {right}       | {hex:E04D} |
| Soft Reset         | {soft-reset}  | {hex:E01F} |
| Select             | {select}      | {hex:E04F} |
| Remove             | {remove}      | {hex:E053} |
| Next Screen        | {next-screen} | {hex:E051} |
| F11                | {F11}         | {hex:E054} |
| F12                | {F12}         | {hex:E055} |
| F13                | {F13}         | {hex:E056} |
| F14                | {F14}         | {hex:E057} |
| F15/Help           | {F15}         | {hex:E058} |
| F16/Do             | {F16}         | {hex:E059} |
| F17                | {F17}         | {hex:E05A} |
| F18                | {F18}         | {hex:E05B} |
| F19                | {F19}         | {hex:E05C} |
| F20                | {F20}         | {hex:E05D} |

# Wavelink Velocity

## Keyboard Codes

5250/3270/VT Character Map

| Char  | Hex Value  |
|-------|------------|
| Space | {hex:0020} |
| !     | {hex:0021} |
| "     | {hex:0022} |
| #     | {hex:0023} |
| \$    | {hex:0024} |
| %     | {hex:0025} |
| &     | {hex:0026} |
| '     | {hex:0027} |
| (     | {hex:0028} |
| )     | {hex:0029} |
| *     | {hex:002A} |
| +     | {hex:002B} |
| ,     | {hex:002C} |
| -     | {hex:002D} |
| .     | {hex:002E} |
| /     | {hex:002F} |
| 0     | {hex:0030} |
| 1     | {hex:0031} |
| 2     | {hex:0032} |
| 3     | {hex:0033} |
| 4     | {hex:0034} |
| 5     | {hex:0035} |
| 6     | {hex:0036} |
| 7     | {hex:0037} |
| 8     | {hex:0038} |
| 9     | {hex:0039} |
| :     | {hex:003A} |
| ;     | {hex:003B} |
| <     | {hex:003C} |
| =     | {hex:003D} |
| >     | {hex:003E} |
| ?     | {hex:003F} |

| Char | Hex Value  |
|------|------------|
| @    | {hex:0040} |
| A    | {hex:0041} |
| B    | {hex:0042} |
| C    | {hex:0043} |
| D    | {hex:0044} |
| E    | {hex:0045} |
| F    | {hex:0046} |
| G    | {hex:0047} |
| H    | {hex:0048} |
| I    | {hex:0049} |
| J    | {hex:004A} |
| K    | {hex:004B} |
| L    | {hex:004C} |
| M    | {hex:004D} |
| N    | {hex:004E} |
| O    | {hex:004F} |
| P    | {hex:0050} |
| Q    | {hex:0051} |
| R    | {hex:0052} |
| S    | {hex:0053} |
| T    | {hex:0054} |
| U    | {hex:0055} |
| V    | {hex:0056} |
| W    | {hex:0057} |
| X    | {hex:0058} |
| Y    | {hex:0059} |
| Z    | {hex:005A} |
| [    | {hex:005B} |
| \    | {hex:005C} |
| ]    | {hex:005D} |
| ^    | {hex:005E} |
| _    | {hex:005F} |

| Char | Hex Value  |
|------|------------|
| `    | {hex:0060} |
| a    | {hex:0061} |
| b    | {hex:0062} |
| c    | {hex:0063} |
| d    | {hex:0064} |
| e    | {hex:0065} |
| f    | {hex:0066} |
| g    | {hex:0067} |
| h    | {hex:0068} |
| i    | {hex:0069} |
| j    | {hex:006A} |
| k    | {hex:006B} |
| l    | {hex:006C} |
| m    | {hex:006D} |
| n    | {hex:006E} |
| o    | {hex:006F} |
| p    | {hex:0070} |
| q    | {hex:0071} |
| r    | {hex:0072} |
| s    | {hex:0073} |
| t    | {hex:0074} |
| u    | {hex:0075} |
| v    | {hex:0076} |
| w    | {hex:0077} |
| x    | {hex:0078} |
| y    | {hex:0079} |
| z    | {hex:007A} |
| {    | {hex:007B} |
|      | {hex:007C} |
| }    | {hex:007D} |
| ~    | {hex:007E} |
|      |            |

# Wavelink Velocity

## Keyboard Codes

Control Character Map

| Char | Named Value | Hex Value  |
|------|-------------|------------|
| ^@   | {NUL}       | {hex:EE32} |
| ^A   | {SOH}       | {hex:0001} |
| ^B   | {STX}       | {hex:0002} |
| ^C   | {ETX}       | {hex:0003} |
| ^D   | {EOT}       | {hex:0004} |
| ^E   | {ENQ}       | {hex:0005} |
| ^F   | {ACK}       | {hex:0006} |
| ^G   | {BEL}       | {hex:0007} |
| ^H   | {BS}        | {hex:0008} |
| ^I   | {TAB}       | {hex:0009} |
| ^J   | {LF}        | {hex:000A} |
| ^K   | {VT}        | {hex:000B} |
| ^L   | {FF}        | {hex:000C} |
| ^M   | {CR}        | {hex:000D} |
| ^N   | {SO}        | {hex:000E} |
| ^O   | {SI}        | {hex:000F} |
| ^P   | {DLE}       | {hex:0010} |
| ^Q   | {DC1}       | {hex:0011} |
| ^R   | {DC2}       | {hex:0012} |
| ^S   | {DC3}       | {hex:0013} |
| ^T   | {DC4}       | {hex:0014} |
| ^U   | {NAK}       | {hex:0015} |
| ^V   | {SYN}       | {hex:0016} |
| ^W   | {ETB}       | {hex:0017} |
| ^X   | {CAN}       | {hex:0018} |
| ^Y   | {EM}        | {hex:0019} |
| ^Z   | {SUB}       | {hex:001A} |
| ^[   | {ESC}       | {hex:001B} |
| ^\   | {FS}        | {hex:001C} |
| ^]   | {GS}        | {hex:001D} |
| ^^   | {RS}        | {hex:001E} |
| ^_   | {US}        | {hex:001F} |
| ^?   | {DEL}       | {hex:007F} |

# Wavelink Velocity

## Keyboard Codes

### Web Keys

| Web Key |  | Named Value        |
|---------|--|--------------------|
| Back    |  | {NAVIGATE-BACK}    |
| Enter   |  | {ENTER}            |
| Forward |  | {NAVIGATE-FORWARD} |
| Refresh |  | {NAVIGATE-REFRESH} |
| TAB     |  | {TAB}              |

### Key Macros

| Format             | Action   |
|--------------------|--|
| {voice:volumeUp}   | Increase the TTS engine volume (+10 points)        |
| {voice:volumeDown} | Decrease the TTS engine volume (-10 points)        |
| {voice:repeat}     | Repeat last TTS instruction.                       |
| {voice:faster}     | Increase TTS cadence (+25 points)                  |
| {voice:slower}     | Decrease TTS cadence (-25 points)                  |
| {voice:calibrate}  | (not functionally implemented until future sprint) |