

CodeChart:Heathkit H19/H19 Mode/ESC

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Received

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|-----|-----|----|---|---|---|---|-----|
| 0 | NUL | DLE | SP | 0 | @ | P | ` | p |
| 1 | SOH | DC1 | ! | 1 | A | Q | a | q |
| 2 | STX | DC2 | " | 2 | B | R | b | r |
| 3 | ETX | DC3 | # | 3 | C | S | c | s |
| 4 | EOT | DC4 | \$ | 4 | D | T | d | t |
| 5 | ENQ | NAQ | % | 5 | E | U | e | u |
| 6 | ACK | SYN | & | 6 | F | V | f | v |
| 7 | BEL | ETB | ' | 7 | G | W | g | w |
| 8 | BS | CAN | (| 8 | H | X | h | x |
| 9 | HT | EM |) | 9 | I | Y | i | y |
| 10 | LF | SUB | * | : | J | Z | j | z |
| 11 | VT | ESC | + | ; | K | [| k | { |
| 12 | FF | IS4 | , | < | L | \ | l | |
| 13 | CR | IS3 | - | = | M |] | m | } |
| 14 | SO | IS2 | . | > | N | ^ | n | ~ |
| 15 | SI | IS1 | / | ? | O | _ | o | DEL |

Transmitted

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----|-----|-----|----|---|---|---|---|-----|
| 0 | NUL | DLE | SP | 0 | @ | P | ` | p |
| 1 | SOH | DC1 | ! | 1 | A | Q | a | q |
| 2 | STX | DC2 | " | 2 | B | R | b | r |
| 3 | ETX | DC3 | # | 3 | C | S | c | s |
| 4 | EOT | DC4 | \$ | 4 | D | T | d | t |
| 5 | ENQ | NAQ | % | 5 | E | U | e | u |
| 6 | ACK | SYN | & | 6 | F | V | f | v |
| 7 | BEL | ETB | ' | 7 | G | W | g | w |
| 8 | BS | CAN | (| 8 | H | X | h | x |
| 9 | HT | EM |) | 9 | I | Y | i | y |
| 10 | LF | SUB | * | : | J | Z | j | z |
| 11 | VT | ESC | + | ; | K | [| k | { |
| 12 | FF | IS4 | , | < | L | \ | l | |
| 13 | CR | IS3 | - | = | M |] | m | } |
| 14 | SO | IS2 | . | > | N | ^ | n | ~ |
| 15 | SI | IS1 | / | ? | O | _ | o | DEL |

ESC Sequences

| Prefix | Acronym | Description | Parameters |
|--------|---------|-----------------------------|-------------------|
| # | HXMP | Transmit page | <i>none</i> |
| < | HEAM | Enter ANSI mode | <i>none</i> |
| = | HAKM | Enter alternate keypad mode | <i>none</i> |
| > | HXAM | Exit alternate keypad mode | <i>none</i> |
| @ | HEIM | Enter insert character mode | <i>none</i> |
| A | HCUU | Cursor up | <i>none</i> |
| B | HCUD | Cursor down | <i>none</i> |
| C | HCUF | Cursor forward | <i>none</i> |
| D | HCUB | Cursor backward | <i>none</i> |
| E | HCD | Clear display | <i>none</i> |
| F | HEGM | Enter graphics mode | <i>none</i> |
| G | HXGM | Exit graphics mode | <i>none</i> |
| H | HCUH | Cursor home | <i>none</i> |
| I | HRI | Reverse index | <i>none</i> |
| J | HEOP | Erase to end of page | <i>none</i> |
| K | HEOL | Erase to end of line | <i>none</i> |
| L | HIL | Insert line | <i>none</i> |
| M | HDL | Delete line | <i>none</i> |
| N | HDCH | Delete character | <i>none</i> |
| O | HERM | Exit insert character mode | <i>none</i> |
| Y | HDCA | Direct cursor addressing | <i>row column</i> |

ESC Sequences

| Prefix | Description | Parameters |
|--------|----------------------------|-------------|
| / | Identify as VT52 | K |
| ? | Keypad alternate mode keys | <u>key</u> |
| @ | Shift keypad seven (7) | <i>none</i> |
| A | Shift keypad eight (8) | <i>none</i> |
| B | Shift keypad two (2) | <i>none</i> |
| C | Shift keypad six (6) | <i>none</i> |
| D | Shift keypad four (4) | <i>none</i> |
| H | Shift keypad five (5) | <i>none</i> |
| L | Shift keypad one (1) | <i>none</i> |
| M | Shift keypad three (3) | <i>none</i> |
| N | Shift keypad nine (9) | <i>none</i> |
| O | Shift keypad seven (7) | <i>none</i> |
| P | Blue function key | <i>none</i> |
| Q | Red function key | <i>none</i> |
| R | Gray function key | <i>none</i> |
| S | f1 function key | <i>none</i> |
| T | f2 function key | <i>none</i> |
| U | f3 function key | <i>none</i> |
| V | f4 function key | <i>none</i> |
| W | f5 function key | <i>none</i> |

| Prefix | Acronym | Description | Parameters |
|--------|---------|----------------------------------|-------------|
| Z | HID | Identify as VT52 | <i>none</i> |
| [| HEHS | Enter hold screen mode | <i>none</i> |
| \ | HXHS | Exit hold screen mode | <i>none</i> |
|] | HX25 | Transmit 25th line | <i>none</i> |
| b | HBD | Erase beginning of display | <i>none</i> |
| j | HSCP | Save cursor position | <i>none</i> |
| k | HRCP | Restore cursor position | <i>none</i> |
| l | HEL | Erase entire line | <i>none</i> |
| n | HCPR | Cursor position report | <i>none</i> |
| o | HEBL | Erase beginning of line | <i>none</i> |
| p | HERV | Enter reverse video mode | <i>none</i> |
| q | HXRV | Exit reverse video mode | <i>none</i> |
| r | HMBR | Modify baud rate | <u>Bn</u> |
| t | HEKS | Enter keypad shifted mode | <i>none</i> |
| u | HXKS | Exit keypad shifted mode | <i>none</i> |
| v | HEWA | Enter wrap around at end of line | <i>none</i> |
| w | HXEA | Exit wrap around at end of line | <i>none</i> |
| x | HSM | Set mode | <u>Ps</u> |
| y | HRM | Reset mode | <u>Ps</u> |

ESC ? Parameters

| Value | Description |
|-------|-------------------------|
| M | Keypad ENTER key † |
| n | Keypad period key (.) † |
| p | Keypad zero key (0) † |
| q | Keypad one key (1) † |
| r | Keypad two key (2) † |
| s | Keypad three key (3) † |
| t | Keypad four key (4) † |
| u | Keypad five key (5) † |
| v | Keypad six key (6) † |
| w | Keypad seven key (7) † |
| x | Keypad eight key (8) † |
| y | Keypad nine key (9) † |

† **Note** only transmitted in alternate keypad mode.

| Prefix | Acronym | Description | Parameters |
|--------|---------|---------------------------------|-------------|
| z | HRAM | Reset to power-up configuration | <i>none</i> |
| { | HEK | Keyboard enabled | <i>none</i> |
| } | HDK | Keyboard disabled | <i>none</i> |

ESC r Parameters

| Value | Description |
|-------|-------------|
| A | 110 baud |
| B | 150 baud |
| C | 300 baud |
| D | 600 baud |
| E | 1200 baud |
| F | 1800 baud |
| G | 2000 baud |
| H | 2400 baud |
| I | 3600 baud |
| J | 4800 baud |
| K | 7200 baud |
| L | 9600 baud |

ESX x Parameters

| Value | Description |
|-------|---------------------------------|
| 1 | Enable 25th line |
| 2 | No key click |
| 3 | Hold screen mode |
| 4 | Block cursor |
| 5 | Cursor off |
| 6 | Keypad shifted |
| 7 | Alternate keypad mode |
| 8 | Auto line feed on receipt of CR |
| 9 | Auto CR on receipt of line feed |

ESX y Parameters

| Value | Description |
|-------|----------------------------|
| 1 | Disable 25th line |
| 2 | Enable key click |
| 3 | Exit hold screen mode |
| 4 | Underscore cursor |
| 5 | Cursor on |
| 6 | Keypad unshifted |
| 7 | Exit alternate keypad mode |
| 8 | No auto line feed |
| 9 | No auto CR |

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