

| DEC   | HEX  | SCREEN CODE | CONTROL DESCRIPTION                    | ASCII CODE                 | ASCII CODE | KEY COMBINATION  |
|---|------|-------------|--|----------------------------|------------|------------------|
| 0   |      |             |  |                            |            |                  |
| for the new URL for this and my other Commodore 64 PDFs |      |             |  |                            |            |                  |
| 1   | \$01 |             | char set 1 char set 2                  | slark.me/c64               | 33 \$21    | ! shift-1        |
| 2   | \$02 |             |  |                            | 34 \$22    | " shift-2        |
| 3   | \$03 |             | stop execution of current program      | RUN/STOP, ctrl-C           | 35 \$23    | # shift-3        |
| 4   | \$04 |             |  |                            | 36 \$24    | \$ shift-4       |
| 5   | \$05 |             | change char color white                | ctrl-2, ctrl-E             | 37 \$25    | % shift-5        |
| 6   | \$06 |             |  |                            | 38 \$26    | & shift-6        |
| 7   | \$07 |             |  |                            | 39 \$27    | ' shift-7        |
| 8   | \$08 |             | disable -shift (lock char set)         | ctrl-H "ctrl-9, H"         | 40 \$28    | ( shift-8        |
| 9   | \$09 |             | enable -shift (unlock char set)        | ctrl-I "ctrl-9, I"         | 41 \$29    | ) shift-9        |
| 10  | \$0A |             |  |                            | 42 \$2A    | * (asterisk)     |
| 11  | \$0B |             |  |                            | 43 \$2B    | + (plus)         |
| 12  | \$0C |             |  |                            | 44 \$2C    | , (comma)        |
| 13  | \$0D |             | enter data, move cursor to next line ← | RETURN, ctrl-M             | 45 \$2D    | - (minus)        |
| 14  | \$0E |             | switch to char set 2                   | ctrl-N, "ctrl-9, N"        | 46 \$2E    | . (period)       |
| 15  | \$0F |             |  |                            | 47 \$2F    | / (slash)        |
| 16  | \$10 |             |  |                            | 48 \$30    | 0                |
| 17  | \$11 |             | move cursor down                       | ↑CRSR↓, ctrl-Q             | 49 \$31    | 1                |
| 18  | \$12 |             | enable reverse of next char(s)         | ctrl-9, ctrl-R             | 50 \$32    | 2                |
| 19  | \$13 |             | move cursor to home (↑←)               | CLR/HOME, ctrl-S           | 51 \$33    | 3                |
| 20  | \$14 |             | delete char, move cursor left          | INST/DEL, ctrl-T           | 52 \$34    | 4                |
| 21  | \$15 |             |  |                            | 53 \$35    | 5                |
| 22  | \$16 |             |  |                            | 54 \$36    | 6                |
| 23  | \$17 |             |  |                            | 55 \$37    | 7                |
| 24  | \$18 |             |  |                            | 56 \$38    | 8                |
| 25  | \$19 |             |  |                            | 57 \$39    | 9                |
| 26  | \$1A |             |  |                            | 58 \$3A    | : (colon)        |
| 27  | \$1B |             |  |                            | 59 \$3B    | ; (semicolon)    |
| 28  | \$1C |             | change char color red                  | ctrl-3, ctrl-£ (pound)     | 60 \$3C    | shift-, (comma)  |
| 29  | \$1D |             | move cursor right                      | ←CRSR→, ctrl-; (semicolon) | 61 \$3D    | = (equals)       |
| 30  | \$1E |             | change char color green                | ctrl-6, ctrl-↑ (up arrow)  | 62 \$3E    | shift-. (period) |
| 31  | \$1F |             | change char color blue                 | ctrl-7, ctrl-= (equals)    | 63 \$3F    | shift-/ (slash)  |

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|-----|------|-------------|--------------|---------------------|-----|------|-------------|--------------|-----------------|
| 64  | \$40 | —           | ␣            | @ (at)              | 96  | \$60 | (space)     | —            | (copy of \$C0)  |
| 65  | \$41 | ⊕ Ⓐ         | Ⓐ ⓐ          | A                   | 97  | \$61 | ▢           | ⊕ Ⓐ          | (copy of \$C1)  |
| 66  | \$42 | Ⓑ           | Ⓑ ⓑ          | B                   | 98  | \$62 | ▬           | Ⓑ            | (copy of \$C2)  |
| 67  | \$43 | — Ⓒ         | Ⓒ Ⓒ          | C                   | 99  | \$63 | ▬           | — Ⓒ          | (copy of \$C3)  |
| 68  | \$44 | — Ⓓ         | Ⓓ ⓓ          | D                   | 100 | \$64 | ▬           | — Ⓓ          | (copy of \$C4)  |
| 69  | \$45 | — Ⓔ         | Ⓔ ⓔ          | E                   | 101 | \$65 |             | — Ⓔ          | (copy of \$C5)  |
| 70  | \$46 | — Ⓕ         | Ⓕ ⓕ          | F                   | 102 | \$66 | ⊞           | — Ⓕ          | (copy of \$C6)  |
| 71  | \$47 | Ⓖ           | Ⓖ ⓖ          | G                   | 103 | \$67 |             | Ⓖ            | (copy of \$C7)  |
| 72  | \$48 | Ⓗ           | Ⓗ ⓗ          | H                   | 104 | \$68 | ⊞           | Ⓗ            | (copy of \$C8)  |
| 73  | \$49 | ⊞           | ⓓ            | I                   | 105 | \$69 | ▧ ⊞         | ⊞            | (copy of \$C9)  |
| 74  | \$4A | ⊞           | ⓓ            | J                   | 106 | \$6A |             | ⊞            | (copy of \$CA)  |
| 75  | \$4B | ⊞           | ⓓ            | K                   | 107 | \$6B | ⊞           | ⊞            | (copy of \$CB)  |
| 76  | \$4C | └┘          | └┘           | L                   | 108 | \$6C | ▢           | └┘           | (copy of \$CC)  |
| 77  | \$4D | ▧           | ▧            | M                   | 109 | \$6D | └┘          | ▧            | (copy of \$CD)  |
| 78  | \$4E | ▧           | ▧            | N                   | 110 | \$6E | └┘          | ▧            | (copy of \$CE)  |
| 79  | \$4F | └┘          | └┘           | O                   | 111 | \$6F | ▬           | └┘           | (copy of \$CF)  |
| 80  | \$50 | └┘          | └┘           | P                   | 112 | \$70 | └┘          | └┘           | (copy of \$D0)  |
| 81  | \$51 | ▢           | ▢            | Q                   | 113 | \$71 | └┘          | ▢            | (copy of \$D1)  |
| 82  | \$52 | — Ⓔ         | Ⓔ ⓔ          | R                   | 114 | \$72 | └┘          | — Ⓔ          | (copy of \$D2)  |
| 83  | \$53 | ⊕ Ⓐ         | Ⓐ ⓐ          | S                   | 115 | \$73 | └┘          | ⊕ Ⓐ          | (copy of \$D3)  |
| 84  | \$54 | Ⓕ           | Ⓕ ⓕ          | T                   | 116 | \$74 |             | Ⓕ            | (copy of \$D4)  |
| 85  | \$55 | ⊞           | ⓓ            | U                   | 117 | \$75 |             | ⊞            | (copy of \$D5)  |
| 86  | \$56 | ⊞           | ⓓ            | V                   | 118 | \$76 |             | ⊞            | (copy of \$D6)  |
| 87  | \$57 | ▢           | ▢            | W                   | 119 | \$77 | ▬           | ▢            | (copy of \$D7)  |
| 88  | \$58 | ⊕ Ⓐ         | Ⓐ ⓐ          | X                   | 120 | \$78 | ▬           | ⊕ Ⓐ          | (copy of \$D8)  |
| 89  | \$59 | Ⓕ           | Ⓕ ⓕ          | Y                   | 121 | \$79 | ▬           | Ⓕ            | (copy of \$D9)  |
| 90  | \$5A | ⊕ Ⓐ         | Ⓐ ⓐ          | Z                   | 122 | \$7A | └┘          | ⊕ Ⓐ          | (copy of \$DA)  |
| 91  | \$5B | +           | [            | shift-: (colon)     | 123 | \$7B | ▢           | +            | (copy of \$DB)  |
| 92  | \$5C | ⊞           | ⓓ            | £ (pound)           | 124 | \$7C | ▢           | ⊞            | (copy of \$DC)  |
| 93  | \$5D |             | ]            | shift-; (semicolon) | 125 | \$7D | └┘          |              | (copy of \$DD)  |
| 94  | \$5E | ⊞           | ⓓ            | ↑ (up arrow)        | 126 | \$7E | ▢           | ⊞            | (copy of \$DE)  |
| 95  | \$5F | ▧           | ⊕ Ⓐ          | ← (left arrow)      | 127 | \$7F | ▢           | ▧            | (copy of \$DF)  |

| DEC | HEX  | SCREEN CODE | CONTROL CODE DESCRIPTION               | QUOTE MODE CHAR /KEY COMBO(S)            | DEC | HEX  | SCREEN CODE | PETSCII CODE | KEY COMBINATION       |
|-----|------|-------------|--|--|-----|------|-------------|--------------|-----------------------|
| 128 | \$80 |             |  |  | 160 | \$A0 |             | (space)      | shift-space           |
| 129 | \$81 |             | change char color orange               | <b>Ctrl-1</b>                            | 161 | \$A1 |             |              | <b>Ctrl-K</b>         |
| 130 | \$82 |             |  |  | 162 | \$A2 |             |              | <b>Ctrl-I</b>         |
| 131 | \$83 |             | load, run program from cassette        | shift- <b>RUN/STOP</b>                   | 163 | \$A3 |             |              | <b>Ctrl-T</b>         |
| 132 | \$84 |             |  |  | 164 | \$A4 |             |              | <b>Ctrl-@</b> (at)    |
| 133 | \$85 |             | function key F1                        | <b>F1/F2</b>                             | 165 | \$A5 |             |              | <b>Ctrl-G</b>         |
| 134 | \$86 |             | function key F3                        | <b>F3/F4</b>                             | 166 | \$A6 |             |              | <b>Ctrl-+</b> (plus)  |
| 135 | \$87 |             | function key F5                        | <b>F5/F6</b>                             | 167 | \$A7 |             |              | <b>Ctrl-M</b>         |
| 136 | \$88 |             | function key F7                        | <b>F7/F8</b>                             | 168 | \$A8 |             |              | <b>Ctrl-£</b> (pound) |
| 137 | \$89 |             | function key F2                        | shift- <b>F1/F2</b>                      | 169 | \$A9 |             |              | shift-£ (pound)       |
| 138 | \$8A |             | function key F4                        | shift- <b>F3/F4</b>                      | 170 | \$AA |             |              | <b>Ctrl-N</b>         |
| 139 | \$8B |             | function key F6                        | shift- <b>F5/F6</b>                      | 171 | \$AB |             |              | <b>Ctrl-Q</b>         |
| 140 | \$8C |             | function key F8                        | shift- <b>F7/F8</b>                      | 172 | \$AC |             |              | <b>Ctrl-D</b>         |
| 141 | \$8D |             | move cursor to next line ←             | shift- <b>RETURN</b> , "ctrl-9, shift-M" | 173 | \$AD |             |              | <b>Ctrl-Z</b>         |
| 142 | \$8E |             | switch to char set 1                   | "ctrl-9, shift-N"                        | 174 | \$AE |             |              | <b>Ctrl-S</b>         |
| 143 | \$8F |             |  |  | 175 | \$AF |             |              | <b>Ctrl-P</b>         |
| 144 | \$90 |             | change char color black                | ctrl-1                                   | 176 | \$B0 |             |              | <b>Ctrl-A</b>         |
| 145 | \$91 |             | move cursor up                         | shift- <b>CRSR</b>                       | 177 | \$B1 |             |              | <b>Ctrl-E</b>         |
| 146 | \$92 |             | disable reverse of next char(s)        | ctrl-0                                   | 178 | \$B2 |             |              | <b>Ctrl-R</b>         |
| 147 | \$93 |             | clear screen, move cursor to home (↑←) | shift- <b>CLR/HOME</b>                   | 179 | \$B3 |             |              | <b>Ctrl-W</b>         |
| 148 | \$94 |             | insert space, move char(s) right       | shift- <b>INST/DEL</b>                   | 180 | \$B4 |             |              | <b>Ctrl-H</b>         |
| 149 | \$95 |             | change char color brown                | <b>Ctrl-2</b>                            | 181 | \$B5 |             |              | <b>Ctrl-J</b>         |
| 150 | \$96 |             | change char color light red/pink       | <b>Ctrl-3</b>                            | 182 | \$B6 |             |              | <b>Ctrl-L</b>         |
| 151 | \$97 |             | change char color dark grey/grey 1     | <b>Ctrl-4</b>                            | 183 | \$B7 |             |              | <b>Ctrl-Y</b>         |
| 152 | \$98 |             | change char color medium grey/grey 2   | <b>Ctrl-5</b>                            | 184 | \$B8 |             |              | <b>Ctrl-U</b>         |
| 153 | \$99 |             | change char color light green          | <b>Ctrl-6</b>                            | 185 | \$B9 |             |              | <b>Ctrl-O</b>         |
| 154 | \$9A |             | change char color light blue           | <b>Ctrl-7</b>                            | 186 | \$BA |             |              | shift-@ (at)          |
| 155 | \$9B |             | change char color light grey/grey 3    | <b>Ctrl-8</b>                            | 187 | \$BB |             |              | <b>Ctrl-F</b>         |
| 156 | \$9C |             | change char color purple/magenta       | ctrl-5                                   | 188 | \$BC |             |              | <b>Ctrl-C</b>         |
| 157 | \$9D |             | move cursor left                       | shift- <b>CRSR</b>                       | 189 | \$BD |             |              | <b>Ctrl-X</b>         |
| 158 | \$9E |             | change char color yellow               | ctrl-8                                   | 190 | \$BE |             |              | <b>Ctrl-V</b>         |
| 159 | \$9F |             | change char color cyan                 | ctrl-4                                   | 191 | \$BF |             |              | <b>Ctrl-B</b>         |

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|-----|------|-------------|--------------|--------------------|-----|------|-------------|--------------|--------------------|
| 192 | \$C0 |             |              | shift-* (asterisk) | 224 | \$E0 |             | (space)      | (copy of \$A0)     |
| 193 | \$C1 |             |              | shift-A            | 225 | \$E1 |             |              | (copy of \$A1)     |
| 194 | \$C2 |             |              | shift-B            | 226 | \$E2 |             |              | (copy of \$A2)     |
| 195 | \$C3 |             |              | shift-C            | 227 | \$E3 |             |              | (copy of \$A3)     |
| 196 | \$C4 |             |              | shift-D            | 228 | \$E4 |             |              | (copy of \$A4)     |
| 197 | \$C5 |             |              | shift-E            | 229 | \$E5 |             |              | (copy of \$A5)     |
| 198 | \$C6 |             |              | shift-F            | 230 | \$E6 |             |              | (copy of \$A6)     |
| 199 | \$C7 |             |              | shift-G            | 231 | \$E7 |             |              | (copy of \$A7)     |
| 200 | \$C8 |             |              | shift-H            | 232 | \$E8 |             |              | (copy of \$A8)     |
| 201 | \$C9 |             |              | shift-I            | 233 | \$E9 |             |              | (copy of \$A9)     |
| 202 | \$CA |             |              | shift-J            | 234 | \$EA |             |              | (copy of \$AA)     |
| 203 | \$CB |             |              | shift-K            | 235 | \$EB |             |              | (copy of \$AB)     |
| 204 | \$CC |             |              | shift-L            | 236 | \$EC |             |              | (copy of \$AC)     |
| 205 | \$CD |             |              | shift-M            | 237 | \$ED |             |              | (copy of \$AD)     |
| 206 | \$CE |             |              | shift-N            | 238 | \$EE |             |              | (copy of \$AE)     |
| 207 | \$CF |             |              | shift-O            | 239 | \$EF |             |              | (copy of \$AF)     |
| 208 | \$D0 |             |              | shift-P            | 240 | \$F0 |             |              | (copy of \$B0)     |
| 209 | \$D1 |             |              | shift-Q            | 241 | \$F1 |             |              | (copy of \$B1)     |
| 210 | \$D2 |             |              | shift-R            | 242 | \$F2 |             |              | (copy of \$B2)     |
| 211 | \$D3 |             |              | shift-S            | 243 | \$F3 |             |              | (copy of \$B3)     |
| 212 | \$D4 |             |              | shift-T            | 244 | \$F4 |             |              | (copy of \$B4)     |
| 213 | \$D5 |             |              | shift-U            | 245 | \$F5 |             |              | (copy of \$B5)     |
| 214 | \$D6 |             |              | shift-V            | 246 | \$F6 |             |              | (copy of \$B6)     |
| 215 | \$D7 |             |              | shift-W            | 247 | \$F7 |             |              | (copy of \$B7)     |
| 216 | \$D8 |             |              | shift-X            | 248 | \$F8 |             |              | (copy of \$B8)     |
| 217 | \$D9 |             |              | shift-Y            | 249 | \$F9 |             |              | (copy of \$B9)     |
| 218 | \$DA |             |              | shift-Z            | 250 | \$FA |             |              | (copy of \$BA)     |
| 219 | \$DB |             |              | shift-+ (plus)     | 251 | \$FB |             |              | (copy of \$BB)     |
| 220 | \$DC |             |              | ←-- (minus)        | 252 | \$FC |             |              | (copy of \$BC)     |
| 221 | \$DD |             |              | shift-- (minus)    | 253 | \$FD |             |              | (copy of \$BD)     |
| 222 | \$DE |             |              | (copy of \$FF)     | 254 | \$FE |             |              | (copy of \$BE)     |
| 223 | \$DF |             |              | ←-* (asterisk)     | 255 | \$FF |             |              | shift-↑ (up arrow) |