

Der Editor und das Standard-Basic des C 64 sind alles andere als komfortabel. Grafik- und Musik-Programmierung werden in der Basic-Version 2.0 nicht unterstützt; strukturiertes Programmieren nahezu ausgeschlossen. Wer hierauf jedoch nicht verzichten will, sollte sich nach einer Programmiersprache umsehen, die keinerlei Wünsche offenläßt. Die folgende Übersicht zeigt den Befehlsvorrat einiger verbreiteter Sprachversionen, erhebt jedoch keinen Anspruch auf Vollständigkeit.

# 64'er Extra

| C 64<br>BASIC 2.0 | SIMONS<br>BASIC | C 128<br>BASIC 1.0 | OXFORD<br>PASCAL | COMAL 80<br>VERS. 2.01 |
|-------------------|-----------------|--------------------|------------------|------------------------|
|-------------------|-----------------|--------------------|------------------|------------------------|

## Editor-Befehle

|        |          |            |          |                 |
|--------|----------|------------|----------|-----------------|
| —      | AUTO     | AUTO       | AUTO     | AUTO            |
| —      | —        | BACKUP     | —        | —               |
| —      | —        | BASIC      | BASIC    | BASIC           |
| —      | —        | BSAVE      | —        | —               |
| —      | —        | CHANGE     | CHANGE   | —               |
| —      | —        | CATALOG    | CAT      | CAT             |
| —      | COLD     | COLLECT    | COLD     | —               |
| —      | —        | COMP       | —        | —               |
| CONT   | CONT     | CONCAT     | —        | CON             |
| —      | —        | COPY       | —        | COPY            |
| —      | —        | DCLEAR     | —        | —               |
| —      | —        | DCLOSE     | —        | —               |
| —      | —        | DELETE     | DECIMAL  | DEL             |
| —      | —        | DELETE     | DELETE   | —               |
| —      | DELAY    | DIRECTORY  | —        | DIR             |
| —      | DIR      | —          | —        | DISCARD         |
| —      | DISK     | —          | —        | DISK            |
| —      | DISAPA   | —          | —        | DISPLAY         |
| —      | —        | —          | DISK     | —               |
| —      | —        | DLOAD      | GET      | LOAD            |
| —      | —        | DOPEN      | —        | —               |
| —      | —        | DSAVE      | PUT      | SAVE            |
| —      | —        | DVERIFY    | VERIFY   | VERIFY          |
| —      | DUMP     | —          | DUMP     | —               |
| —      | —        | —          | —        | EDIT            |
| —      | —        | —          | —        | ENTER           |
| —      | —        | —          | EX       | —               |
| —      | FIND     | —          | FIND     | FIND            |
| —      | —        | GO64       | —        | —               |
| —      | —        | HEADER     | —        | PASS            |
| —      | —        | HELP       | —        | —               |
| —      | KEY      | KEY        | —        | DEFKEY-SHOWKEYS |
| —      | —        | —          | LINK     | —               |
| LIST   | LIST     | LIST       | LIST     | LIST            |
| LOAD   | LOAD     | LOAD       | LOAD     | LOAD            |
| —      | —        | —          | MAIN     | —               |
| —      | MERGE    | APPEND     | MERGE    | MERGE           |
| —      | —        | MONITOR    | —        | —               |
| NEW    | NEW      | NEW        | NEW      | MOUNT           |
| —      | —        | —          | —        | NEW             |
| —      | —        | —          | —        | NOTE            |
| —      | OLD      | —          | —        | —               |
| —      | OPTION   | —          | —        | —               |
| —      | PAGE     | —          | —        | —               |
| —      | RENUMBER | RENUMBER   | NUMBER   | RENUM           |
| —      | —        | RENAME     | —        | RENAME          |
| —      | —        | —          | RESIDENT | —               |
| —      | RETRACE  | —          | —        | TRACE           |
| RUN    | RUN      | RUN        | R        | RUN             |
| SAVE   | SAVE     | SAVE       | PUT      | SAVE            |
| —      | —        | —          | —        | SCAN            |
| —      | —        | SCRATCH    | —        | —               |
| —      | —        | —          | —        | SETEXEC         |
| —      | —        | —          | —        | SIZE            |
| VERIFY | TRACE    | TRON-TROFF | —        | VERIFY          |
| —      | VERIFY   | VERIFY     | —        | —               |

## Standard-Befehlswörter

|       |         |           |          |               |
|-------|---------|-----------|----------|---------------|
| —     | AT(     | —         | —        | AT            |
| —     | —       | —         | CHAIN    | CHAIN         |
| —     | —       | BANK      | —        | —             |
| —     | CENTRE  | —         | —        | —             |
| —     | CGOTO   | —         | —        | GOTO          |
| CLOSE | CLOSE   | CLOSE     | CLOSE    | CLOSE         |
| —     | —       | —         | —        | CREATE (file) |
| —     | —       | —         | —        | CURSOR        |
| DATA  | DATA    | DATA      | —        | DATA          |
| DEF   | DEF     | DEF       | FUNCTION | FUNC-ENDFUNC  |
| DIM   | DIM     | DIM       | ARRAY OF | DIM           |
| —     | DIR *\$ | DIRECTORY | —        | DIR           |
| —     | —       | —         | DISPOSE  | —             |
| —     | DOWN    | —         | —        | —             |
| —     | DUP     | —         | —        | —             |

| C 64<br>BASIC 2.0 | SIMONS<br>BASIC    | C 128<br>BASIC 1.0 | OXFORD<br>PASCAL | COMAL 80<br>VERS. 2.01 |
|-------------------|--------------------|--------------------|------------------|------------------------|
| END               | END                | END                | END              | END                    |
| —                 | —                  | —                  | —                | ESC                    |
| —                 | —                  | FAST               | —                | —                      |
| —                 | FCHR               | —                  | —                | —                      |
| —                 | FCOL               | —                  | —                | —                      |
| —                 | FETCH              | —                  | —                | —                      |
| —                 | FLASH              | —                  | —                | —                      |
| GET               | GET                | GET                | —                | —                      |
| GET #             | GET #              | GET #              | —                | GET\$ (DISK)           |
| —                 | —                  | GETKEY             | GETKEY           | —                      |
| —                 | GLOBAL-LOCAL       | —                  | —                | CLOSED                 |
| GOSUB             | GOSUB-EXEC         | GOSUB              | —                | EXEC                   |
| —                 | —                  | —                  | —                | EXTERNAL               |
| GOTO              | GOTO-CALL          | GOTO               | GOTO LABEL       | GOTO LABEL             |
| —                 | —                  | —                  | —                | IMPORT                 |
| INPUT             | INPUT              | INPUT              | READ-READLN      | INPUT                  |
| INPUT #           | INPUT #            | INPUT #            | READLN           | INPUT FILE             |
| —                 | INSERT             | —                  | —                | —                      |
| —                 | INST               | —                  | —                | —                      |
| —                 | —                  | —                  | —                | INTERRUPT              |
| —                 | LEFT               | —                  | —                | —                      |
| LET               | LET                | LET                | —                | LET                    |
| —                 | LIN                | —                  | —                | —                      |
| —                 | LOCAL              | —                  | —                | —                      |
| —                 | MOVE               | —                  | —                | —                      |
| —                 | NO ERROR           | —                  | —                | —                      |
| —                 | OFF                | —                  | —                | —                      |
| ON                | ON-ON ER-OR-ON KEY | ON                 | —                | —                      |
| OPEN              | OPEN               | OPEN               | RESET-REWRITE    | OPEN                   |
| —                 | —                  | —                  | SET              | —                      |
| —                 | —                  | —                  | PACK             | —                      |
| —                 | —                  | —                  | PAGE             | PAGE                   |
| —                 | PAUSE              | —                  | —                | —                      |
| POKE              | POKE               | POKE               | POKE             | POKE                   |
| PRINT             | PRINT              | PRINT              | WRITE-<br>WRITLN | PRINT                  |
| —                 | —                  | —                  | WRITLN           | —                      |
| PRINT #           | PRINT #            | PRINT #            | —                | PRINT FILE             |
| —                 | —                  | PUDEF              | —                | —                      |
| —                 | —                  | —                  | —                | RANDOMIZE              |
| —                 | RCOMP              | —                  | —                | —                      |
| READ              | READ               | READ               | —                | READ                   |
| —                 | —                  | RECORD             | —                | —                      |
| —                 | —                  | —                  | —                | REF                    |
| REM               | REM                | REM                | (*               | //                     |
| —                 | —                  | —                  | —                | REPORT                 |
| —                 | RESET              | —                  | —                | —                      |
| RESTORE           | RESTORE            | RESTORE            | —                | RESTORE                |
| RETURN            | RETURN             | RETURN             | —                | RETURN                 |
| —                 | RIGHT              | —                  | —                | —                      |
| —                 | —                  | —                  | ROUND            | —                      |
| —                 | —                  | RREG               | —                | —                      |
| —                 | —                  | —                  | —                | SELECT                 |
| —                 | —                  | SLEEP              | —                | —                      |
| —                 | —                  | SLOW               | —                | —                      |
| —                 | —                  | STASH              | —                | —                      |
| STOP              | STOP               | STOP               | —                | STOP                   |
| —                 | —                  | SWAP               | —                | —                      |
| SYS               | SYS                | SYS                | —                | SYS                    |
| —                 | —                  | —                  | —                | UNIT                   |
| —                 | UP                 | —                  | UNPACK           | —                      |
| —                 | —                  | —                  | —                | —                      |
| —                 | USE                | —                  | —                | USE                    |
| WAIT              | WAIT               | WAIT               | —                | USING                  |
| —                 | —                  | —                  | WITH             | —                      |
| —                 | —                  | —                  | —                | ZONE                   |

## Funktionen und reservierte Variablen

|        |            |          |        |            |
|--------|------------|----------|--------|------------|
| ABS    | ABS        | ABS      | ABS    | ABS        |
| AND    | AND        | AND      | AND    | AND-BITAND |
| ATN    | ATN        | ATN      | ARCTAN | ATN        |
| —      | EXOR       | XOR      | XORB   | BITXOR     |
| CHR\$  | CHR\$      | CHR\$    | CHR    | CHR\$      |
| COS    | COS        | COS      | COS    | COS        |
| —      | —          | DEC      | —      | —          |
| —      | DIV        | —        | DIV    | DIV        |
| —      | —          | DS-DS\$  | —      | —          |
| —      | —          | —        | —      | EOD        |
| —      | —          | —        | EOF    | EOF        |
| —      | —          | —        | EOL    | —          |
| —      | ERRN-ERRLN | ER-ERR\$ | —      | ERR        |
| —      | —          | —        | —      | ERRFILE    |
| —      | —          | —        | —      | ERRTEXT\$  |
| EXP    | EXP        | EXP      | EXP    | EXP        |
| —      | —          | —        | FALSE  | FALSE      |
| —      | FRAC       | —        | —      | —          |
| FRE(   | FRE(       | FRE(     | —      | —          |
| —      | —          | —        | IN     | IN         |
| INT    | INT        | INT      | —      | INT        |
| —      | —          | —        | —      | KEY\$      |
| LEFT\$ | LEFT\$     | LEFT\$   | —      | —          |
| LEN    | LEN        | LEN      | —      | LEN        |
| LOG    | LOG        | LOG      | —      | LOG        |
| —      | —          | —        | MAXINT | —          |
| MID\$  | MID\$      | MID\$    | —      | —          |
| —      | MOD        | —        | MOD    | MOD        |
| —      | —          | —        | NIL    | —          |
| NOT    | NOT        | NOT      | NOT    | NOT        |
| —      | —          | —        | ODD    | —          |
| OR     | OR         | OR       | OR     | OR-BITOR   |
| ASC    | ASC        | —        | ORD    | ORD        |
| —      | —          | —        | PACKED | —          |
| PEEK   | PEEK       | PEEK     | PEEK   | PEEK       |
| —      | —          | POINTER  | —      | —          |
| —      | —          | —        | PRED   | —          |

| C 64<br>BASIC 2.0                    | SIMONS<br>BASIC           | C 128<br>BASIC 7.0     | OXFORD<br>PASCAL                 | COMAL 80<br>VERS. 2.01             |
|--------------------------------------|---------------------------|------------------------|----------------------------------|------------------------------------|
| RIGHT\$                              | RIGHT\$                   | RIGHT\$                | —                                | —                                  |
| RND                                  | RND                       | RND                    | RANDOM                           | RND                                |
| SGN                                  | SGN                       | SGN                    | —                                | SGN                                |
| —                                    | —                         | —                      | SHL                              | —                                  |
| —                                    | —                         | —                      | SHR                              | —                                  |
| SIN                                  | SIN                       | SIN                    | SIN                              | SIN                                |
| SPC                                  | SPC                       | SPC                    | —                                | SPC\$                              |
| SQR                                  | SQR                       | SQR                    | SQR                              | SQR                                |
| —                                    | —                         | —                      | SQRT                             | —                                  |
| —                                    | —                         | —                      | —                                | STATUS\$                           |
| STR\$                                | STR\$                     | STR\$                  | —                                | STR\$                              |
| —                                    | —                         | —                      | SUCC                             | —                                  |
| TAB                                  | TAB                       | TAB                    | —                                | TAB                                |
| TAN                                  | TAN                       | TAN                    | —                                | TAN                                |
| TI                                   | TI                        | TI                     | —                                | TIME                               |
| TI\$                                 | TI\$                      | TI\$                   | —                                | —                                  |
| —                                    | —                         | —                      | TRUE                             | TRUE                               |
| —                                    | —                         | —                      | TRUNC                            | —                                  |
| VAL                                  | VAL                       | VAL                    | VAR                              | VAL                                |
| —                                    | —                         | —                      | —                                | —                                  |
| <b>Strukturbefehle und Schleifen</b> |                           |                        |                                  |                                    |
| —                                    | —                         | BEGIN-END              | BEGIN-END                        | —                                  |
| —                                    | —                         | —                      | CASE-OF-END                      | CASE-OF-WHEN-<br>OTHERWISE-ENDCASE |
| —                                    | —                         | DO-WHILE-<br>EXIT-LOOP | DO-WHILE-                        | WHILE-DO-ENDWHILE                  |
| FOR-TO-<br>STEP-NEXT                 | FOR-TO-<br>STEP-NEXT      | FOR-TO-<br>STEP-NEXT   | FOR-DOWN-TO-<br>TO-BEGIN-<br>END | FOR-TO-STEP-<br>NEXT-ENDFOR        |
| IF-THEN                              | IF-THEN-ELSE              | IF-THEN-ELSE           | IF-THEN-ELSE                     | IF-THEN-ELIF-<br>ELSE-ENDIF        |
| —                                    | LOOP-EXIT IF-<br>END LOOP | —                      | —                                | LOOP-EXIT-EXIT                     |
| —                                    | REPEAT-UNTIL-<br>ON ERROR | TRAP-RESUME            | REPEAT-UNTIL                     | WHEN ENDLOOP                       |
| —                                    | GOTO                      | —                      | —                                | TRAP-HANDLER-<br>ENDTRAP           |
| —                                    | PROC-END<br>PROC          | —                      | PROCEDURE-<br>END                | PROC-ENDPROC                       |
| —                                    | —                         | —                      | PROGRAMM-<br>END                 | —                                  |
| —                                    | —                         | —                      | FUNCTION-<br>END                 | —                                  |
| <b>System-Befehle von Comal 80</b>   |                           |                        |                                  |                                    |
| —                                    | —                         | —                      | —                                | CURCOL                             |
| —                                    | —                         | —                      | —                                | CURROW                             |
| —                                    | —                         | —                      | —                                | BELL                               |
| —                                    | —                         | —                      | —                                | FREE                               |
| —                                    | —                         | —                      | —                                | GETSCREEN                          |
| —                                    | —                         | —                      | —                                | GETTIME\$                          |
| —                                    | HRDCPY                    | —                      | —                                | HARDCOPY                           |
| —                                    | —                         | —                      | —                                | INKEY\$                            |
| —                                    | —                         | —                      | UPPER CASE                       | KEYWORDS 'IN'UPPER'<br>CASE        |
| —                                    | —                         | —                      | —                                | NAMES'IN'UPPER'CASE                |
| —                                    | —                         | —                      | —                                | QUOTE'MODE                         |
| —                                    | —                         | —                      | —                                | SERIAL                             |
| —                                    | —                         | —                      | —                                | SETPAGE                            |
| —                                    | —                         | —                      | —                                | SETPRINTER                         |
| —                                    | —                         | —                      | —                                | SETRECORDDELAY                     |
| —                                    | —                         | —                      | —                                | SETSCREEN                          |
| —                                    | —                         | —                      | SETTIME                          | SETTIME                            |
| —                                    | —                         | —                      | —                                | TEXTCOLORS                         |
| <b>Grafik-Befehle</b>                |                           |                        |                                  |                                    |
| —                                    | ANGL                      | —                      | —                                | —                                  |
| —                                    | ARC                       | —                      | —                                | ARC                                |
| —                                    | —                         | —                      | PAPER                            | BACKGROUND                         |
| —                                    | BLOCK                     | —                      | BORDER                           | BORDER                             |
| —                                    | —                         | BOX                    | —                                | —                                  |
| —                                    | —                         | CHAR                   | —                                | —                                  |
| —                                    | CIRCLE                    | CIRCLE                 | —                                | CIRCLE                             |
| —                                    | —                         | —                      | —                                | CLEAR                              |
| —                                    | COLOR                     | COLOR                  | —                                | —                                  |
| —                                    | COPY                      | —                      | —                                | PRINTSCREEN                        |
| —                                    | DRAW                      | DRAW                   | —                                | DRAW                               |
| —                                    | —                         | —                      | —                                | DRAWTO                             |
| —                                    | FILL                      | PAINT                  | —                                | FLIL                               |
| —                                    | —                         | —                      | —                                | FULLSCREEN                         |
| —                                    | —                         | GRAPHIC                | —                                | GETCOLOR                           |
| —                                    | HICOL                     | —                      | —                                | —                                  |
| —                                    | HIRES                     | —                      | —                                | CLEARSCREEN                        |
| —                                    | HIRES-MULTI               | GRAPHIC                | HIRES                            | GRAPHICSCREEN                      |
| —                                    | —                         | —                      | INK                              | —                                  |
| —                                    | LINE                      | —                      | —                                | INQ                                |
| —                                    | —                         | —                      | —                                | DRAWTO                             |
| —                                    | —                         | LOCATE                 | —                                | LOADSCREEN                         |
| —                                    | LOW COL                   | —                      | —                                | —                                  |
| —                                    | —                         | —                      | —                                | NOWRAP                             |
| —                                    | MULTI                     | GRAPHIC                | —                                | GRAPHICSCREEN                      |
| —                                    | NRM                       | —                      | HIRES                            | TEXTSCREEN                         |
| —                                    | PAINT                     | PAINT                  | —                                | PAINT                              |
| —                                    | PLOT                      | —                      | PLOT                             | PLOT                               |
| —                                    | —                         | RCLR                   | —                                | —                                  |
| —                                    | REC                       | BOX                    | —                                | —                                  |
| —                                    | —                         | RGR                    | —                                | —                                  |
| —                                    | ROT                       | —                      | —                                | —                                  |
| —                                    | —                         | RWINDOW                | —                                | —                                  |
| —                                    | —                         | —                      | —                                | —                                  |
| —                                    | —                         | SCALE                  | —                                | SAVESCREEN                         |
| —                                    | —                         | SCNCLR                 | —                                | —                                  |
| —                                    | —                         | —                      | —                                | SPLITSREEN                         |
| —                                    | TEST                      | —                      | EXAMINE                          | —                                  |

| C 64<br>BASIC 2.0                                          | SIMONS<br>BASIC | C 128<br>BASIC 7.0 | OXFORD<br>PASCAL | COMAL 80<br>VERS. 2.01            |
|------------------------------------------------------------|-----------------|--------------------|------------------|-----------------------------------|
| —                                                          | TEXT            | —                  | —                | PLOTTEXT                          |
| —                                                          | —               | —                  | PEN              | TEXTBACKGROUND                    |
| —                                                          | —               | —                  | —                | TEXTCOLOR                         |
| —                                                          | —               | —                  | —                | TEXTSTYLE                         |
| —                                                          | —               | —                  | —                | VIEWPORT                          |
| —                                                          | —               | WIDTH              | —                | —                                 |
| —                                                          | —               | WINDOW             | WINDOW           | WINDOW                            |
| —                                                          | —               | —                  | —                | WRAP                              |
| —                                                          | —               | —                  | —                | XCOR                              |
| —                                                          | —               | —                  | —                | YCOR                              |
| <b>Turtle-Befehle</b>                                      |                 |                    |                  |                                   |
| —                                                          | —               | —                  | —                | BACK                              |
| —                                                          | —               | —                  | —                | FORWARD                           |
| —                                                          | —               | —                  | —                | HEADING                           |
| —                                                          | —               | —                  | —                | HIDETURTLE                        |
| —                                                          | —               | —                  | —                | HOME                              |
| —                                                          | —               | —                  | —                | LEFT                              |
| —                                                          | —               | —                  | —                | MOVE-MOVETO                       |
| —                                                          | —               | —                  | —                | PENCOLOR                          |
| —                                                          | —               | —                  | —                | PENDOWN                           |
| —                                                          | —               | —                  | —                | PENUP                             |
| —                                                          | —               | —                  | —                | RIGHT                             |
| —                                                          | —               | —                  | —                | SEXTY                             |
| —                                                          | —               | —                  | —                | SETHEADING                        |
| —                                                          | —               | —                  | —                | SHOWTURTLE                        |
| —                                                          | —               | —                  | —                | TURTLESIZE                        |
| <b>Sprite-Befehle</b>                                      |                 |                    |                  |                                   |
| —                                                          | —               | —                  | —                | ANIMATE                           |
| —                                                          | —               | BUMP               | —                | —                                 |
| —                                                          | —               | COLLISION          | —                | DATACOLLISION-<br>SPRITECOLLISION |
| —                                                          | —               | —                  | —                | —                                 |
| —                                                          | CHECK           | —                  | —                | —                                 |
| —                                                          | CMOB            | —                  | —                | —                                 |
| —                                                          | DESIGN          | SPRDEF             | —                | DEFINE                            |
| —                                                          | DETECT          | —                  | —                | —                                 |
| —                                                          | —               | GSHAPE             | —                | —                                 |
| —                                                          | —               | —                  | —                | HIDESPRITE                        |
| —                                                          | —               | —                  | —                | IDENTIFY                          |
| —                                                          | —               | —                  | —                | LINKSPRITE                        |
| —                                                          | —               | —                  | —                | LOADSPRITE                        |
| —                                                          | —               | —                  | —                | MOVESPRITE                        |
| —                                                          | MMOB            | MOVESPR            | —                | —                                 |
| —                                                          | MOB OFF         | —                  | —                | PRIORITY                          |
| —                                                          | —               | —                  | —                | —                                 |
| —                                                          | RLOCMOB         | —                  | —                | SPRITEINQ                         |
| —                                                          | —               | RSPRITE            | —                | SPRITECOLOR                       |
| —                                                          | —               | SPRCOLOR           | —                | —                                 |
| —                                                          | —               | SPRITE             | —                | —                                 |
| —                                                          | —               | —                  | —                | SPRITEBACK                        |
| —                                                          | —               | —                  | —                | SPRITEPOS                         |
| —                                                          | —               | —                  | —                | SPRITESIZE                        |
| —                                                          | —               | —                  | —                | SPRITEX-SPRITEY                   |
| —                                                          | —               | RSPOS              | —                | —                                 |
| —                                                          | —               | SPRSV              | —                | SAVESPRITE                        |
| —                                                          | —               | SSHAPE             | —                | STAMPSPRITE                       |
| —                                                          | —               | —                  | —                | STARTSPRITES                      |
| —                                                          | —               | —                  | —                | STOPSPRITE                        |
| <b>Zeichensatz-Befehle</b>                                 |                 |                    |                  |                                   |
| —                                                          | —               | —                  | —                | GETCHARACTER                      |
| —                                                          | —               | —                  | —                | KEEPFONT                          |
| —                                                          | —               | —                  | —                | LINKFONT                          |
| —                                                          | —               | —                  | —                | LOADFONT                          |
| —                                                          | MEM             | —                  | —                | —                                 |
| —                                                          | —               | —                  | —                | PUTCHARACTER                      |
| —                                                          | —               | —                  | —                | SAVEFONT                          |
| <b>Musik-Befehle</b>                                       |                 |                    |                  |                                   |
| —                                                          | —               | —                  | —                | ADSR                              |
| —                                                          | —               | —                  | —                | ENV                               |
| —                                                          | ENVELOPE        | ENVELOPE           | ENVEL            | —                                 |
| —                                                          | —               | FILTER             | —                | FILTER                            |
| —                                                          | —               | —                  | —                | FILTERFREQ                        |
| —                                                          | —               | —                  | —                | FILTERTYPE                        |
| —                                                          | —               | —                  | —                | GATE                              |
| —                                                          | MUSIC           | —                  | —                | —                                 |
| —                                                          | —               | —                  | —                | NOTE                              |
| —                                                          | —               | —                  | —                | OSC3                              |
| —                                                          | —               | —                  | —                | PLAYSCORE                         |
| —                                                          | —               | —                  | —                | PULSE                             |
| —                                                          | —               | —                  | —                | RESONANCE                         |
| —                                                          | —               | —                  | —                | RINGMOD                           |
| —                                                          | —               | —                  | —                | SETFREQUENCY                      |
| —                                                          | —               | —                  | —                | SETSCORE                          |
| —                                                          | —               | SOUND              | —                | —                                 |
| —                                                          | —               | —                  | —                | SOUNDTYPE                         |
| —                                                          | —               | —                  | —                | STOPPLAY                          |
| —                                                          | —               | —                  | —                | SYNC                              |
| —                                                          | —               | TEMPO              | —                | —                                 |
| —                                                          | —               | —                  | VOICE            | FREQUENCY                         |
| —                                                          | VOL             | —                  | —                | VOLUME                            |
| —                                                          | —               | —                  | —                | WAITSCORE                         |
| —                                                          | WAVE            | —                  | VOICE —          | —                                 |
| <b>Paddles-Befehle, Joystick-Befehle, Lightpen-Befehle</b> |                 |                    |                  |                                   |
| —                                                          | POT             | POT                | —                | PADDLE                            |
| —                                                          | JOY             | JOY                | —                | JOYSTICK                          |
| —                                                          | —               | —                  | —                | ACCURACY                          |
| —                                                          | —               | —                  | —                | DELAY                             |
| —                                                          | —               | —                  | —                | OFFSET                            |
| —                                                          | —               | —                  | —                | PENON                             |
| —                                                          | PENX            | PEN                | —                | —                                 |
| —                                                          | PENY            | —                  | —                | —                                 |
| —                                                          | —               | —                  | —                | READPEN                           |
| —                                                          | —               | —                  | —                | TIMEON                            |