

COMAL TODAY 25

AMIGA
COMAL
SHIPS!



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AmigaCOMAL CONTROL Codes / CHR\$(x) Results

Ctrl	chr\$	Result
A	1	Erase to end of line
B	2	Erase to end of screen
C	3	Repeat <u>find</u> or <u>change</u> // Cursor ON
D	4	?? // Cursor OFF
E	5	
F	6	
G	7	Flash Screen
H	8	Destructive backspace
I	9	Right tab (every 8th position)
J	10	Linefeed
K	11	Left tab (every 8th position)
L	12	Clearscreen & home cursor
M	13	Carriage return
N	14	Insert line & scroll rest of lines down
O	15	Delete line & scroll rest of lines up
P	16	Reverse field toggle
	16	Background toggle (before and after color code)
Q	17	Extra half bright toggle
R	18	Underline toggle
S	19	Italic toggle
T	20	Bold toggle
U	21	Cursor to start of line
V	22	Cursor to end of line
W	23	Cursor to top of window
X	24	Cursor to bottom of window
Y	25	Delete character
Z	26	Insert character

Pen Color

Choose one of 32 colors by printing a chr\$(x) where x is a value between 128-159 (hex \$80-\$9f).

Example:

```
PRINT chr$(80+3) // sets color to 3
```

Print a chr\$(17) before and after the color code to shift to the next 32 colors in Extra Half Bright mode (some early Amiga models may not have this mode).

Example:

```
PRINT chr$(17),chr$(130),chr$(17) //color to 35
```

Background Color

Print a chr\$(16) before and after the color code to set the background to the specified color.

Example:

```
PRINT chr$(16),chr$(130),chr$(16)//background 3
```

Bit Planes

You must have installed AmigaCOMAL with enough bit planes for the screen to see all the colors. It takes 6 bit planes to display all 64 colors in Extra Half Bright mode.

How to Enter Programs

Line numbers are required for your benefit in editing a program (but are irrelevant to a running program). We usually omit line numbers when listing a program. It's up to YOU to provide line numbers. Of course, **COMAL can do it for you.** Follow these steps to enter a COMAL program:

- 1) Enter command: NEW
- 2) Enter command: AUTO
- 3) Type in the program.
- 4) When done, stop the AUTO mode:

Power Driver:	Hit «return» on blank line
PET COMAL 0.14:	Hit «return» on blank line
C64 2.0 Cart:	Hit «stop» key
C128 2.0 Cart:	Hit «stop» key
CP/M COMAL 2.10:	Hit «esc» key
AmigaCOMAL:	Hit «esc» key
IBM PC COMAL:	«control» + «C»

You may use both UPPER and lower case letters. COMAL automatically makes keywords UPPER case and variable names lower case.

You don't have to type leading spaces in a line. They are listed only to emphasize structures, and COMAL will insert them for you. You **DO** have to type a space between keywords in the program.

Long program lines: If a complete program line will not fit on one line in our listing, we continue it on the next line and add //wrapline at the end. You must type it as one continuous line.

Variable names, procedure names, and function names can be a combination of:

```
abcdefghijklmnopqrstuvwxyz0123456789' _[ \
```

On the C64/128, the «left arrow» key (upper left corner of keyboard) is valid. COMAL 2.0 converts it into an underline. A «British pound» £ symbol is used in place of the \ backslash. ■