

Controlling RamWorks Display from Applesoft BASIC

When you program in Applesoft BASIC, you can access some RamWorks features by using control codes. These codes are actually invisible ASCII characters which have a special meaning to the computer and RamWorks. To enter the control codes from the keyboard, hold the Control key down and press another character key. Or you can issue their codes from within a BASIC program with the `PRINT CHR$(xx)` statement. Please refer to the Applesoft BASIC Programmer's Reference Manual for more details. Table 4-2 presents a summary of control codes and their functions. Note that you can enter some—but not all—codes both from the keyboard and from within a program.

Table 4-2 Control Codes

Control Character	Decimal Code	Function Name	Function	Notes
Control - G	7	Bell	Speaker 1000 Hz tone for 100 mS	
Control - H	8	Backspace	Cursor moves one space left	
Control - J	10	Line feed	Cursor down one line	
Control - K	11	Clear EOS	Clears from cursor to end of screen	1
Control - L	12	Clear	Homes cursor and clears screen	1
Control - M	13	Return	Same as pressing RETURN key	
Control - N	14	Normal	Sets the NORMAL display mode	1,3
Control - O	15	Inverse	Sets the INVERSE display mode	1,3
Control - Q	17	40 Column	Sets the display to 40 columns	1,3
Control - R	18	80 Column	Sets the display to 80 columns	1,3
Control - S	19	Stop list	Stops listing until another key pressed	2
Control - U	21	Quit	80 Column mode off	1,3
Control - V	22	Scroll	Scrolls display down one line	1
Control - W	23	Scroll up	Scrolls display up one line	1
Control - Y	25	Home	Homes cursor (does not clear screen)	1
Control - Z	26	Clear line	Clears the line the cursor is on	1
Control - \	28	Forward	Cursor moves one space right	1
Control -]	29	Clear EOL	Clears from cursor to end of line	1
Control - ^	30	GOTO XY	Uses next two characters, minus 32 as cursor coordinates (Pascal - not BASIC)	1

1. Features available only when 80 column mode is activated.
2. Codes will work only in the immediate mode (keyboard)
3. Codes will work only in the deferred mode (program)