
Enhanced BASIC for ACRTC V1.0

COMMAND QUICK REFERENCE GUIDE

Commands

MODE	Screen Mode	MODE	M M=0 2 Colour Single Access Mode M=3 4 Colour Single Access Mode M=5 16 Colour Single Access Mode M=8 2 Colour Dual Access Mode M=11 4 Colour Dual Access Mode
CLS	Clear Screens		
GCLS	Clear Graphics Screen		
COLOUR	Set Drawing Colour	COLOUR	C C=0 Background Colour C=1 Foreground Colour
WPR	Write Parameter Register	WPR	PRn,<16-bit data>
AMOVE	Absolute Move	AMOVE	X,Y
ALINE	Absolute Line	ALINE	<8-bit data>,X,Y <8-bit data> = AREA COL OPM
RLINE	Relative Line	RLINE	<8-bit data>,dX,dY <8-bit data> = AREA COL OPM
ARCT	Absolute Rectangle	ARCT	<8-bit data>,X,Y <8-bit data> = AREA COL OPM
RRCT	Relative Rectangle	RRCT	<8-bit data>,dX,dY <8-bit data> = AREA COL OPM
AFRCT	Absolute Filled Rectangle	AFRCT	<8-bit data>,X,Y <8-bit data> = AREA COL OPM
RFRCT	Relative Filled Rectangle	RFRCT	<8-bit data>,dX,dY <8-bit data> = AREA COL OPM
CRCL	Circle	CRCL	<8-bit data>,r <8-bit data> = AREA COL OPM
PAINT	Paint	PAINT	<9-bit data> <9-bit data> = E AREA COL OPM

Legacy Commands

PSET	Pixel Set	PSET	X,Y
LINE	Line	LINE	X1,Y1,X2,Y2
RECT	Rectangle	RECT	X1,Y1,X2,Y2
CIRCLE	Circle	CIRCLE	X,Y,R
GPRINT	Graphics Screen Print	GPRINT	"text"

Mega-680x0 Computer Systems

640x480 Resolution - ACRTC X,Y Coordinate System

Top left: 0,0
Bottom Right: 639,479

System ROM BIOS Calls

System ROM V2.05B67 or later supports the following:

CALL \$C00010	Instruction cache on (68030 only)
CALL \$C00016	Instruction cache off (68030 only)
CALL \$C0001C	Timer1 start
CALL \$C00022	Timer1 stop

Enhanced BASIC – using the timer

```
1000 CALL $C0001C:REM timer1 start
2000 REM code to time goes here
3000 CALL $C00022:REM timer1 stop
```

The following subroutine can then be used to display the time elapsed in seconds:

```
5000 ET=LEEK($9F4)
5010 PRINT"Elapsed Time: ";ET/200;" Seconds"
5020 RETURN
```