

0068

COLLABORATORS

	<i>TITLE :</i> 0068		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		August 8, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	0068	1
1.1	Personal Fonts Maker - M. Font Format Description Language Keywords	1

Chapter 1

0068

1.1 Personal Fonts Maker - M. Font Format Description Language Keywords

M. Font Format Description Language Keywords

The Personal Fonts Maker and the Printer Driver Modifier accept FFDL constant codes in one of the following formats (sections 2.7.1 and 9.4.2):

DECIMAL, HEXADECIMAL AND OCTAL NUMBERS

(n) (0xn) (0n)

ASCII CONSTANTS

NUL	SOH	STX	ETX	EOT	ENQ	ACK	BEL	BS	HT
LF	VT	FF	CR	SO	SI	DLE	DC1	DC2	DC3
DC4	NAK	SYN	ETB	CAN	EM	SUB	ESC	FS	GS
RS	US	SP							

ASCII TEXT CHARACTERS

\a "Abc"

SPECIAL PDM COMMAND TABLE CONSTANTS

DLAY NOAV

The Personal Fonts Maker can process the following FFDL variables and functions:

VARIABLE	RANGE	FUNCTION	SECTION
ATRB	16 bits	Font Attributes	2.7.2.1
CHQT	0 .. 255	"On" Characters in Range	2.7.2.2
CIDT	graphical	Character Interlaced Data	2.7.2.3

CNUM	0 .. 255	Current Character	2.7.2.4
EQAM	-1 .. 255	Amiga Code of Current Character	2.7.2.5
FCLM	0 .. XSIZ-1	First Column Used	2.7.2.6
FRST	0 .. 255	Beginnning of Range	2.7.2.7
HDAT	graphical	Horizontal Rows of Dots	2.7.2.8
HICD	graphical	Horiz. Interlaced Compact Data	2.7.2.9
KERN	-128 .. 127	Character Left Offset	2.7.2.10
LAST	0 .. 255	End of Range	2.7.2.11
LCLM	0 .. XSIZ-1	Last Column Used	2.7.2.12
LENG ()	function	Bytes Output by FFDL Sequence	2.7.2.13
REF1-4	0 .. YMAX	Position of Reference Points	2.7.2.14
REPT ()	function	Conditional Data Output Loop	2.7.2.15
SPCE	0 .. 255	Horizontal Offset from Start	2.7.2.16
VDAT	graphical	Vertical Columns of Data	2.7.2.17
VIDT	graphical	Vertically Interlaced Data	2.7.2.18
XBYT	1 .. 255	Bytes to Store a Row	2.7.2.19
XDPI	1 .. 65535	Horizontal Density	2.7.2.20
XMAX	1 .. 255	Maximum Character Width	2.7.2.21
XSIZ	1 .. 255	Columns of Data in Character	2.7.2.22
YBYT	1 .. 255	Bytes to Store a Column	2.7.2.23
YDPI	1 .. 65535	Vertical Density	2.7.2.24
YMAX	1 .. 255	Font Height	2.7.2.25
YSIZ	1 .. 255	Font Height (same as YMAX)	2.7.2.26

The "run time" minimum value for the FRST and LAST parameters is 0. The special codes -1, -2 and -3 are automatically converted to a valid value.

The Personal Fonts Maker can handle the following FFDL operators (section 2.7.3):

PRIORITY	OPERATORS	FUNCTIONS	ASSOCIATIVITY
11	()	parentheses	Left to Right
10	+ -	unary plus and minus	Right to Left
9	**	power	Left to Right
8	* /	multiply and divide	Left to Right
7	+ -	plus and minus	Left to Right
6	<< >>	left and right bit shift	Left to Right
5	> > >= <=	comparison	Left to Right
4	== !=	equality test	Left to Right
3	&	bitwise AND	Left to Right
2	^	bitwise XOR	Left to Right
1		bitwise OR	Left to Right

The following characters can be prefixed to FFDL data units in the Personal Fonts Maker (section 2.7.4):

PREFIX	DATA FORMAT
b	signed 8-bit byte (default format)
w	signed word (16 bits) high byte first ("Motorola Format")
x	signed word (16 bits) low byte first ("Intel Format")
s	signed decimal string of ASCII text (no sign if positive)
u	unsigned decimal string of ASCII text

\$ hexadecimal string of ASCII text
