QMS

PURPOSE

Direct graphical output to a QMS laser printer using the QUIC protocol.

SYNTAX 1

QMS

This form directs the QMS output to the terminal screen.

SYNTAX 2

DEVICE <1/2/3> QMS

This form designates one of DATAPLOT's 3 devices (it will typically be device 2) to be a QMS device.

EXAMPLES

QMS
DEVICE 2 QMS
DEVICE 3 QMS

NOTE

QMS fonts (for hardware generated characters) can be specified with the following command:

SET QMS FONT <font id>

where <font id> is one of the following:

10	-	EDP font
104	-	Standard Roman Medium
124	-	Standard Roman Bold
144	-	Standard Roman Italic
16	-	Simplex Roman
204	-	Apollo Medium
328	-	Complex Roman Bold
404	-	Q-Typewriter
444	-	Q-Typewriter Italic
532	-	Union
521	-	Tektronix small
522	-	Tektronix medium
523	-	Tektronix large
524	-	Tektronix largest
904	-	Q-Gothic
924	-	Q-Gothic Italic
536	-	Q-Greek
517	-	Q-Greek
664	-	Special Math

Fonts 10, 104, 124, 144, 16, 204, 328, 404, and 444 are supported on all QMS printers using QUIC. The others are downloadable fonts that may or may not be available on a given QMS. Additional information on QMS fonts can be found in the QMS Programmer's Manual for Quic. In addition the following SET commands can be used to specify the margins and resolution of the particular QMS printer (these should normally not be required):

SET QMS PPI <number>	- sets the resolution (in points per inch). The default is 300.
SET QMS [LANDSCAPE/PORTRAIT] LEFT MARGIN	- sets the left margin (in dots).
SET QMS [LANDSCAPE/PORTRAIT] RIGHT MARGIN	- sets the right margin (in dots).
SET QMS [LANDSCAPE/PORTRAIT] BOTTOM MARGIN	- sets the bottom margin (in dots).
SET QMS [LANDSCAPE/PORTRAIT] TOP MARGIN	- sets the top margin (in dots).

DEFAULT

Off

SYNONYMS
> QUIC

DEVICE NOTES

> **1.** HARDWARE TEXT - QMS provides numerous hardware fonts. QMS fonts are fixed size and orientation fonts. Several are typeset quality fonts.
>
> **2.** COLOR - This device does not support color or gray scale.
>
> **3.** HARDWARE FILL - All area fills in software (although QMS provides a hardware fill, it is not reliable).
>
> **4.** DASH PATTERNS - Each dash specification generates a different type of dash pattern.
>
> **5.** LINE WIDTH - The QMS performs line width in hardware.
>
> **6.** GRAPHICS INPUT - The CROSS-HAIR command is ignored for this device.

RELATED COMMANDS

POSTSCRIPT	=	Direct graphical output to a Postscript device.
CALCOMP	=	Direct graphical output to a Calcomp device.
HPGL	=	Direct graphical output to an HPGL device.
TEKTRONIX	=	Direct graphical output to a Tektronix device.
X11	=	Direct graphical output to an X11 device.
DEVICE	=	Specify certain actions for the graphics output.
SET QMS FONT	=	Specify the font to use on the QMS device.
SET QMS PPI	=	Set the resolution of the QMS device.
SET QMS ... MARGIN	=	Set the margin for the QMS device.

APPLICATIONS
> Graphics device specification

IMPLEMENTATION DATE
> 89/2

PROGRAM
> DEVICE 2 QMS
> PLOT SIN(X) FOR X = -6.28 0.01 6.28
> QUIT
>
> This generates a QMS graph in the file DPPL1F.DAT, which can be printed on a QMS printer with the standard operating system command on your local system.