

REGIS**PURPOSE**

Direct graphical output to a REGIS device.

DESCRIPTION

This is the protocol supported on many DEC terminals (e.g., the VT-240 and VT-340).

SYNTAX 1

REGIS <model>

where <model> is 240 for VT-240 class terminals and 340 for VT-340 class terminals

This form designates device 1 (the terminal) as a Regis device.

SYNTAX 2

DEVICE <1/2/3> REGIS<model>

where 1, 2, or 3 is the device identifier (1 for the terminal screen, 2 and 3 for file output);

and <model> is 240 for VT-240 class terminals and 340 for VT-340 class terminals.

This form designates one of of DATAPLOT's 3 devices (it will typically be device 1) as a Regis device.

EXAMPLES

REGIS

DEVICE 1 REGIS

DEVICE 1 REGIS 340

NOTE 1

Regis supports both monochrome and color terminals. By default, the Regis driver is monochrome. To specify color Regis, enter the command DEVICE 1 COLOR ON after the REGIS command.

NOTE 2

Regis terminals support 64 colors. However, only a subset of these can be active at a given time. For the VT-240 type terminals, 4 colors can be active. For the VT-340 type terminals, 16 colors can be active. One color is reserved for the background and the rest for the foreground. The command REGIS COLORS can be used to specify the active colors. If this command is not used, then the 3 (or 15 for the VT-340) foreground colors are assigned in the order requested. Any additional colors are assigned to the last position (which can cause current colors on the screen to change when the new one is assigned).

DEFAULT

Off

SYNONYMS

None

DEVICE NOTES

1. **HARDWARE TEXT** - Regis supports 17 hardware characters, although only the first few are generally useful. The first size is 9x10 pixels, the second is 9x15. The rest are integer multiples of the 9x15 pixel size. This means there is a fairly large jump between successive character sizes. Regis hardware characters are of low quality. Vertical strings are not rotated.
2. **COLOR** - Some Regis terminals support color. Regis defines a database of 64 fixed colors. The VT-240 allows 4 of these colors to be active (1 background color, 3 foreground colors) at one time. The VT-340 allows 15 foreground colors to be active.
3. **HARDWARE FILL** - Solid area fills are done in hardware.
4. **DASH PATTERNS** - The Regis driver supports unique dash patterns for DASH, DOT, DASH2, DASH3, and DASH4. DASH5 is the same as DASH4.
5. **LINE WIDTH** - Thick lines are generated as multiple lines.
6. **GRAPHICS INPUT** - The CROSS-HAIR command is supported for this device.

RELATED COMMANDS

POSTSCRIPT = Direct graphical output to a Postscript device.
HPGL = Direct graphical output to an HPGL device.

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|------------------|---|--|
| TEKTRONIX | = | Direct graphical output to a Tektronix device. |
| X11 | = | Direct graphical output to an X11 device. |
| DEVICE | = | Specify certain actions for the graphics output. |
| SHOW REGIS COLOR | = | Show the available colors on the Regis device. |

APPLICATIONS

Graphics device specification

IMPLEMENTATION DATE

Pre-1987 (color support was implemented 91/3)

PROGRAM

```
REGIS
PLOT SIN(X) FOR X = -6.28 0.01 6.28
QUIT
```

This generates a plot on a Regis terminal.