

Semper 6 Command Reference

echo

keys:	device	<code><number></code>	change echo settings for assigned text file
options:	[standard] output		change echo settings for standard output stream
	[standard] error		change echo settings for standard error stream
	terminal		same as standard output
	console		turn console echo on
	diagnostic		turn diagnostic echo on
	log		turn log echo on
	monitor		turn monitor echo on
	command		turn command echo on
	input		turn non-command input echo on
		all/none	

Use **echo** to specify the output destination for the different classes of output text generated by Semper.

Examples

```
echo commands terminal; library lattice
```

This example echoes the library commands from the lattice program on the terminal.

```
assign file name 'errors'; echo diagnostics device n
```

This example command opens a file to log all error messages in the file *errors.log*.

```
assign file name 'results'; echo console device n  
echo noconsole terminal; library measure; echo console terminal  
deassign device n
```

This sequence of commands captures the results listed by the library program called *measure* in a file called *results.log*. It suppresses output of the results to the terminal.

echo

Description

Semper defines six different classes of output text and each one of these is directed to a separate logical output stream as follows:

- | | |
|--------------|---|
| • console | normal terminal output, results etc. |
| • diagnostic | unsolicited output, that is, error and warning messages |
| • log | results etc, that would not normally appear on the terminal |
| • monitor | diagnostic information for debugging purposes |
| • command | command reflection |
| • input | non-command input, for example, response to ask etc. |

The **echo** command specifies where output to each of these streams will end up. Semper supports output to the following:

- standard output stream (the terminal)
- standard error stream
- log files

Some operating systems support the concept of standard output and error streams and they allow you to redirect output from these. This is particularly useful when running Semper in batch mode. When Semper starts up, console, diagnostic and monitor output is sent to the standard output stream.

In order to switch output to the standard output stream, you specify the **standard output**, option, or the **terminal** option, which is a synonym for **standard output**. To switch output to the standard error stream, use the option **standard error**. Use the **device** key if you want to switch output to a log file. The log file must have been opened already with the **assign file** command.

You can then specify which logical output streams to turn on or off using a combination of the options **console**, **diagnostic**, **log**, **monitor**, **command** and **input**, together with the options **all** or **none**.

You can turn off echoing by prefixing an option with **no**, for example, **noconsole nolog** turns off the echoing of the console and log output streams. The blanket options **all** or **none** turn on or off all echoing and you can combine them with a specific option, for example, **all nolog** echoes everything except log output, **none console** echoes only console output.

Use the **show echo** command to list the current echo settings.

Notes

see also: **assign file,show echo**

echo

Defaults and Ranges

keys/options	defaults	range
device	<i>none</i>	valid device number