

**NAME**

`sg_prevent` – send SCSI PREVENT ALLOW MEDIUM REMOVAL command

**SYNOPSIS**

`sg_prevent` [`--allow`] [`--help`] [`--prevent=PC`] [`--verbose`] [`--version`] *DEVICE*

**DESCRIPTION**

Sends a SCSI PREVENT ALLOW MEDIUM REMOVAL command to *DEVICE*. The default action of this utility is to prevent the removing or ejecting of the medium from a drive. This is done by ignoring the SCSI START STOP UNIT command (see `sg_start`) and ignoring the eject button on the drive when the user presses it. Drives that hold removable disks, tape cartridges or cd/dvd media typically implement this command. The definition of the "prevent" codes for this command differ between disks and tapes (covered by SBC-3 and SSC-3) and cd/dvd drives (covered by MMC-5). The "prevent codes" described here are from MMC-5.

**OPTIONS**

Arguments to long options are mandatory for short options as well.

**-a, --allow**

allow medium removal. This is equivalent to setting to '`--prevent=2`'. Cannot be used with `--prevent=PC` option (i.e. either use no options (hence prevent removal), this option or `--prevent=PC`).

**-h, --help**

output the usage message then exit.

**-p, --prevent=PC**

where *PC* is a prevent code value. Defined values are: 0 allows removal, 1 prevents removal (default), 2 allows persistent removal while 3 prevents persistent removal. "Persistent" in this context means that the initiator (port) that successfully uses code 3 blocks other initiators (ports) from allowing removal. A "persistent prevent" state can be cleared by the owner allowing persistent removal (code 2) or a power cycle (or anything that resets the device (LU)) or some special commands (e.g. various service actions of Persistent Reserve Out, see SPC-3).

**-v, --verbose**

increase the level of verbosity, (i.e. debug output).

**-V, --version**

print the version string and then exit.

**EXIT STATUS**

The exit status of `sg_prevent` is 0 when it is successful. Otherwise see the `sg3_utils(8)` man page.

**AUTHORS**

Written by Douglas Gilbert.

**REPORTING BUGS**

Report bugs to <dgilbert at interlog dot com>.

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**SEE ALSO**

`sg_start(sg3_utils)`, `sg_persist(sg3_utils)`