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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'sg\_prevent.8' command**

**\$ man sg\_prevent.8**

SG\_PREVENT(8)                    SG3\_UTILS                    SG\_PREVENT(8)

### 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>.

## COPYRIGHT

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## SEE ALSO

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