

**NAME**

grub-install – install GRUB to a device

**SYNOPSIS**

**grub-install** [*OPTION*...] [*OPTION*] [*INSTALL\_DEVICE*]

**DESCRIPTION**

Install GRUB on your drive.

- compress**=*no|xz|gz|lzo*  
compress GRUB files [optional]
- dtb**=*FILE*  
embed a specific DTB
- d, --directory**=*DIR*  
use images and modules under DIR [default=/usr/lib/grub/<platform>]
- fonts**=*FONTS*  
install FONTS [default=unicode]
- install-modules**=*MODULES*  
install only MODULES and their dependencies [default=all]
- k, --pubkey**=*FILE*  
embed FILE as public key for signature checking
- locale-directory**=*DIR* use translations under DIR  
[default=/usr/share/locale]
- locales**=*LOCALES*  
install only LOCALES [default=all]
- modules**=*MODULES*  
pre-load specified modules MODULES
- themes**=*THEMES*  
install THEMES [default=starfield]
- v, --verbose**  
print verbose messages.
- allow-floppy**  
make the drive also bootable as floppy (default for fdX devices). May break on some BIOSes.
- boot-directory**=*DIR*  
install GRUB images under the directory DIR/grub instead of the boot/grub directory
- bootloader-id**=*ID*  
the ID of bootloader. This option is only available on EFI and Macs.
- core-compress**=*xz|none|auto*  
choose the compression to use for core image
- disk-module**=*MODULE*  
disk module to use (biosdisk or native). This option is only available on BIOS target.
- efi-directory**=*DIR*  
use DIR as the EFI System Partition root.
- force**  
install even if problems are detected
- force-file-id**  
use identifier file even if UUID is available

- label-bgcolor=COLOR**  
use COLOR for label background
- label-color=COLOR**  
use COLOR for label
- label-font=FILE**  
use FILE as font for label
- macppc-directory=DIR** use DIR for PPC MAC install.
- no-bootsector**  
do not install bootsector
- no-extra-removable**  
Do not install bootloader code to the removable media path. This option is only available on EFI.
- no-nvram**  
don't update the 'boot-device'/'Boot\*' NVRAM variables. This option is only available on EFI and IEEE1275 targets.
- no-rs-codes**  
Do not apply any reed-solomon codes when embedding core.img. This option is only available on x86 BIOS targets.
- no-uefi-secure-boot**  
do not install an image usable with UEFI Secure Boot, even if the system was currently started using it. This option is only available on EFI.
- product-version=STRING**  
use STRING as product version
- recheck**  
delete device map if it already exists
- removable**  
the installation device is removable. This option is only available on EFI.
- s, --skip-fs-probe**  
do not probe for filesystems in DEVICE
- target=TARGET**  
install GRUB for TARGET platform [default=i386-pc]; available targets: arm-coreboot, arm-efi, arm-uboot, arm64-efi, i386-coreboot, i386-efi, i386-ieee1275, i386-multiboot, i386-pc, i386-qemu, i386-xen, i386-xen\_pvh, ia64-efi, mips-arc, mips-qemu\_mips, mipsel-arc, mipsel-loongson, mipsel-qemu\_mips, powerpc-ieee1275, riscv32-efi, riscv64-efi, spar64-ieee1275, x86\_64-efi, x86\_64-xen
- uefi-secure-boot**  
install an image usable with UEFI Secure Boot. This option is only available on EFI and if the grub-efi-amd64-signed package is installed.
- , --help**  
give this help list
- usage**  
give a short usage message
- V, --version**  
print program version

Mandatory or optional arguments to long options are also mandatory or optional for any corresponding short options.

INSTALL\_DEVICE must be system device filename. grub-install copies GRUB images into boot/grub. On some platforms, it may also install GRUB into the boot sector.

## REPORTING BUGS

Report bugs to <bug-grub@gnu.org>.

## SEE ALSO

**grub-mkconfig**(8), **grub-mkimage**(1), **grub-mkrescue**(1)

The full documentation for **grub-install** is maintained as a Texinfo manual. If the **info** and **grub-install** programs are properly installed at your site, the command

**info grub-install**

should give you access to the complete manual.