

NVIDIA Driver Installation Checklist

Quick-start guide for Linux Mint hardware optimization

GPU COMPATIBILITY TABLE

GPU Series	Driver Support	Notes
RTX 4000 / 3000 / 2000	Latest proprietary drivers	Fully supported, recommended drivers via Driver Manager
GTX 1000 / 900	Current + legacy drivers	Stable, widely compatible
GTX 700 / older	Legacy (e.g. 470 / 390)	May require older kernel / Mint version

COMMAND CHEAT SHEET

```
# Check GPU
lspci | grep VGA

# Detect recommended drivers
ubuntu-drivers devices

# Install recommended drivers automatically
sudo ubuntu-drivers autoinstall

# Install specific driver version
sudo apt install nvidia-driver-535

# Reboot system
sudo reboot

# Open NVIDIA settings
nvidia-settings
```

TROUBLESHOOTING FLOWCHART

Driver not working?

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Is Secure Boot enabled?

→ Yes: Disable Secure Boot or sign kernel modules

→ No:

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Check if NVIDIA driver is installed

→ No: Install via Driver Manager

→ Yes:

↓

Check kernel headers installed

→ Missing: Install linux-headers

→ Installed:

↓

Check logs (/var/log/Xorg.0.log)

→ Errors found: Diagnose specific issue

→ No errors: Reinstall driver or reboot