



Installation and Supported Platforms

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Mycelium is designed to run on modern Linux distributions. It is officially packaged for Debian-based, Red Hat-based, and Arch-based systems.

Supported Operating Systems

- **Debian/Ubuntu:** Debian 12 (Bookworm), Ubuntu 24.04 (Noble Numbat).
- **Red Hat/Fedora:** Fedora 41, Rocky Linux 9.
- **Arch Linux:** Latest rolling release.

System Dependencies

The following libraries are required for Mycelium to function:

- **SoapySDR:** SDR hardware abstraction layer.
- **libsndfile:** Support for reading/writing audio files (.wav, .flac).
- **OpenSSL:** For license verification and secure communications.
- **Readline:** For the interactive CLI history and tab completion.

Installation Paths

When installed via a package manager (.deb, .rpm, or .pkg.tar.zst), Mycelium uses the following standard locations:

- **Application Root:** /opt/mycelium/
- **Shared Library:** /usr/lib/libMycelium.so
- **Executable:** /usr/bin/myce (symlinked from /opt/mycelium/Mycelium)
- **Mission Packs:** /opt/mycelium/packs/<pack_name>/



- **Test Data/IQ Samples:** /opt/mycelium/test_dir/

Installing Mycelium

Debian / Ubuntu

```
sudo apt install ./mycelium_VERSION_ARCH.deb
```

Fedora / Rocky Linux

```
sudo dnf install ./myce-VERSION-1.x86_64.rpm
```

Arch Linux

```
sudo pacman -U myce-VERSION-1-x86_64.pkg.tar.zst
```

Post-Installation

After installation, you can launch the framework from any terminal:

```
myce
```