

Complete Installation Guide - ProtonDrive Sync

This guide covers everything you need to know about installing ProtonDrive Sync, from the easiest automated method to manual installation.

Method 1: One-Command Installation (Recommended for Everyone!)

This is the **easiest** way to install ProtonDrive Sync. Perfect for beginners!

Step 1: Open a Terminal

- **GNOME/Ubuntu:** Press `Ctrl + Alt + T`
- **KDE:** Press `Ctrl + Alt + T` or search for “Konsole”
- **Any Desktop:** Search for “Terminal” in your application menu

Step 2: Run the Installation Command

Copy and paste **one** of these commands into your terminal:

Using curl:

```
curl -sSL https://raw.githubusercontent.com/respondunless/Protodrive-sync/main/install.sh | bash
```

Using wget:

```
wget -qO- https://raw.githubusercontent.com/respondunless/Protodrive-sync/main/install.sh | bash
```

Or download first, then install:

```
git clone https://github.com/respondunless/Protodrive-sync.git
cd Protodrive-sync
./install.sh
```

Step 3: Follow the Prompts

The installer will ask you a few simple questions:

ProtonDrive Sync - Easy Installer 🚀

Welcome to the ProtonDrive Sync installer!
This script will guide you through a super easy installation.

→ Detecting your Linux distribution...
✓ Detected: Ubuntu 22.04.3 LTS

Where would you like to install the application?
1) System-wide (requires sudo, available **for** all users)
2) User-only (no sudo required, only **for** you)

Choose [1-2]:

What to choose:

- Choose **1** if you want the app available for all users on your system (requires admin password)
- Choose **2** if you want it just for yourself (no admin password needed)

Would you like the app to start automatically when you log in? [y/N]:

Recommendation: Type **n** (no) for now. You can enable this later if you want.

Step 4: Wait for Installation

The installer will now:

- ✓ Install Python, PyQt5, rclone, and other dependencies
- ✓ Set up the application files
- ✓ Create desktop menu entry
- ✓ Set up commands

This takes 30 seconds to 2 minutes depending on your system.

Step 5: Configure rclone (If Needed)

If you haven't configured rclone yet, the installer will ask:

⚠️ rclone doesn't seem to be configured yet
Would you like to configure rclone now? [Y/n]:

Type **y** and press Enter. Then follow these steps in the rclone configuration:

→ Starting rclone configuration...

When prompted:

1. Choose '**n**' **for** new remote
2. Name it '**protodrive**'
3. Select '**Proton Drive**' from the list
4. Follow the authentication steps

Press Enter to **continue...**

In the rclone config menu:

1. Type `n` and press Enter (new remote)
2. Name: Type `protodrive` and press Enter
3. Storage: Type the number for “Proton Drive” and press Enter
4. Username: Enter your Proton email
5. Password: Enter your Proton password (or app password)
6. 2FA: Enter your 2FA code if enabled
7. Type `q` to quit when done

Step 6: Launch the App

Would you like to launch ProtonDrive Sync now? [Y/n]:

Type `y` and the app will open!

Method 2: Manual Installation (Advanced Users)

For users who want more control or prefer manual installation.

Prerequisites

Install these first:

```
# On Arch/Manjaro/CachyOS
sudo pacman -S python python-pip python-pyqt5 rclone git

# On Ubuntu/Debian/Mint
sudo apt-get update
sudo apt-get install python3 python3-pip python3-pyqt5 rclone git

# On Fedora
sudo dnf install python3 python3-pip python3-qt5 rclone git

# On openSUSE
sudo zypper install python3 python3-pip python3-qt5 rclone git
```

Installation Steps

1. Clone the repository:

```
bash
git clone https://github.com/respondunless/Protodrive-sync.git
cd Protodrive-sync
```

2. Install Python dependencies:

```
bash
pip install --user PyQt5
```

3. Make scripts executable:

```
bash
chmod +x install.sh
```

4. Run the installer:

```
bash
./install.sh
```

Or run directly without installation:

```
bash
python3 -m src.main
```

First-Time Setup

After installation, launch ProtonDrive Sync and you'll see the **Setup Wizard**.

Setup Wizard Walkthrough

 Welcome to ProtonDrive Sync!

Let's get you set up in just a few steps.
This will only take a minute!

Don't worry - we'll guide you through everything.

Step 1: Select Your ProtonDrive Remote

- If you see your remote in the dropdown: Select it
- If you see “No remotes found”: Click “**Configure rclone**” button

Step 2: Test Remote Connection

- Click “**Test Remote**” button
- You should see:  “Remote is accessible”
- If not, check your rclone configuration

Step 3: Choose Local Sync Folder

- Default: `~/ProtonDrive` (recommended)
- Or click “**Browse**” to choose a different location
- Make sure you have enough disk space!

Step 4: Configure Auto Sync

-  Enable automatic sync (recommended)
- Set interval: 30 minutes (default, adjust as needed)

Step 5: Confirm and Start

- Click **OK**
 - Confirm your settings
 - Done! Your files will start syncing
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Post-Installation

Finding the App

Method 1: Application Menu

1. Press Super/Windows key
2. Type “ProtonDrive Sync”
3. Click the icon

Method 2: Terminal

```
protodrive-sync
```

Method 3: System Tray

- Look for the ProtonDrive Sync icon in your system tray
- Right-click for quick actions

Verifying Installation

Check if everything is working:

```
# Check if command is available
which protodrive-sync

# Check rclone configuration
rclone listremotes

# Check configuration directory
ls ~/.config/protodrive-sync/
```



Troubleshooting

Installation Issues

“Permission denied” Error

Problem: Can't run install script

Solution:

```
chmod +x install.sh
./install.sh
```

“curl not found” or “wget not found”

Problem: Command not available

Solution: Install curl or wget first:

```
# Arch/Manjaro
sudo pacman -S curl

# Ubuntu/Debian
sudo apt-get install curl

# Fedora
sudo dnf install curl
```

PyQt5 Installation Fails

Problem: pip can't install PyQt5

Solution: Use system package manager:

```
# Arch/Manjaro
sudo pacman -S python-pyqt5

# Ubuntu/Debian
sudo apt-get install python3-pyqt5

# Fedora
sudo dnf install python3-qt5
```

“No remotes found” in Setup Wizard

Problem: rclone not configured

Solution:

1. Click “**Configure rclone**” in setup wizard
2. Or run manually: `rclone config`
3. Set up ProtonDrive remote
4. Click “**Refresh List**” in setup wizard

Runtime Issues

App Won’t Start

Check 1: Is it already running?

```
pgrep -f protondrive-sync
```

Check 2: Check logs

```
cat ~/.config/protondrive-sync/protondrive-sync.log
```

Check 3: Run from terminal to see errors

```
python3 -m src.main
```

App Not in Application Menu

Solution 1: Update desktop database

```
update-desktop-database ~/.local/share/applications/
```

Solution 2: Logout and login again

Solution 3: Run from terminal

```
protodrive-sync
```

Sync Not Working

Check 1: Test remote connection

```
rclone lsd protodrive:
```

Check 2: Check permissions on sync folder

```
ls -la ~/ProtonDrive
```

Check 3: Check logs

```
tail -f ~/.config/protodrive-sync/protodrive-sync.log
```



Uninstallation

Easy Uninstall

Run the uninstaller:

```
protodrive-sync-uninstall
```

Or:

```
# For system installation
/opt/protodrive-sync/uninstall.sh

# For user installation
~/.local/share/protodrive-sync/uninstall.sh
```

What Gets Removed

The uninstaller will remove:

- ✓ Application files
- ✓ Desktop entries
- ✓ Command symlinks
- ✓ Autostart entries

It will **ask** before removing:

- Configuration files (~/.config/protondrive-sync/)
- Your synced files (your choice)

Clean Uninstall

For a complete clean removal:

```
# Run uninstaller
protodrive-sync-uninstall

# Manually remove config if you kept it
rm -rf ~/.config/protondrive-sync/

# Optionally remove rclone config
# (Only if you don't use rclone for anything else!)
# rm -rf ~/.config/rclone/
```



Tips & Best Practices

1. Choose the Right Sync Interval

- **5-15 minutes:** For frequently changing files
- **30 minutes:** Balanced (recommended for most users)
- **1-2 hours:** For large files or slow connections
- **Manual only:** For complete control

2. Folder Organization

Recommended folder structure:

```
~/ProtonDrive/
└── Documents/
└── Photos/
└── Projects/
└── Backups/
```

3. Disk Space Management

Check available space before syncing:

```
df -h ~
```

4. Network Considerations

- Use wired connection for initial large sync
- Avoid syncing over mobile hotspot (large data usage)
- Check bandwidth settings in rclone if needed

5. Security

- Use strong Proton password
- Enable 2FA on Proton account

- Keep rclone config file secure (~/.config/rclone/)
 - Don't share your config files
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Getting Help

Documentation

-  [README.md](#) (README.md) - Full documentation
-  [QUICK_START.md](#) (QUICK_START.md) - Quick reference
-  This guide - Detailed installation help

Community Support

-  [GitHub Issues](#) (<https://github.com/respondunless/Protondrive-sync/issues>) - Report bugs
-  [Discussions](#) (<https://github.com/respondunless/Protondrive-sync/discussions>) - Ask questions
-  [rclone Docs](#) (<https://rclone.org/protondrive/>) - rclone help

Logs and Debugging

Application log location:

```
~/.config/protondrive-sync/protondrive-sync.log
```

View live logs:

```
tail -f ~/.config/protondrive-sync/protondrive-sync.log
```

Installation Checklist

Use this checklist to verify your installation:

- [] Terminal opened successfully
- [] Installation command executed
- [] Dependencies installed (Python, PyQt5, rclone)
- [] Application files installed
- [] Desktop entry created
- [] Command `protodrive-sync` works
- [] rclone configured with ProtonDrive
- [] Setup wizard completed
- [] Remote connection tested successfully
- [] Local sync folder created
- [] First sync completed
- [] App appears in application menu
- [] System tray icon visible

If all items are checked  - Congratulations! You're all set! 

Next Steps

Now that ProtonDrive Sync is installed:

1. Explore the App

- Check out all the buttons and options
- Read the activity log to see what's happening
- Try manual sync

2. Configure to Your Needs

- Adjust sync interval
- Set up autostart if desired
- Organize your sync folder

3. Learn More

- Read about [rclone features](https://rclone.org/commands/) (<https://rclone.org/commands/>)
- Explore [ProtonDrive capabilities](https://proton.me/drive) (<https://proton.me/drive>)
- Check out the [full README](#) (README.md)

4. Share Your Experience

- Star the project on GitHub 
- Share with friends who use ProtonDrive
- Report any issues or suggestions

Made with ❤️ for the Linux and ProtonDrive community

Happy Syncing! 