



# Complete Installation Guide - ProtonDrive Sync

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

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

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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/Protondrive-sync/main/install.sh | bash
```

#### Using wget:

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

#### Or download first, then install:

```
git clone https://github.com/respondunless/Protondrive-sync.git
cd Protondrive-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 **'protondrive'**
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 `protondrive` 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/Protondrive-sync.git
cd Protondrive-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
```

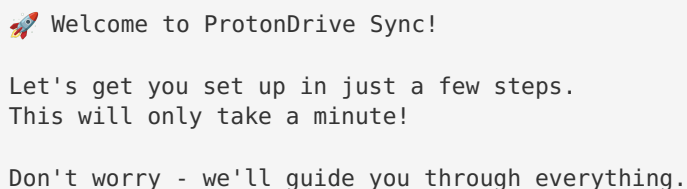
Or run directly without installation:

```
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

## Post-Installation

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### Finding the App

#### Method 1: Application Menu

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

#### Method 2: Terminal

```
protondrive-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 protondrive-sync

# Check rclone configuration
rclone listremotes

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

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## Troubleshooting

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### 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

```
protondrive-sync
```

## Sync Not Working

### Check 1: Test remote connection

```
rclone ls protondrive:
```

### Check 2: Check permissions on sync folder

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

### Check 3: Check logs

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



## Uninstallation

### Easy Uninstall

Run the uninstaller:

```
protondrive-sync-uninstall
```

Or:

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

# For user installation
~/.local/share/protondrive-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
protondrive-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

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

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## Installation Checklist

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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 `protondrive-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! 🎉

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## Next Steps

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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

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Made with  for the Linux and ProtonDrive community

Happy Syncing! 