

# ProtonDrive Setup Guide

This guide will help you set up ProtonDrive with rclone for use with ProtonDrive Sync.

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## Prerequisites

Before you begin, make sure you have:

1. **ProtonDrive Account** (Free or Paid plan)
    - Sign up at [proton.me/drive](https://proton.me/drive) if you don't have one
    - ProtonDrive Sync works with both free and paid accounts
  2. **ProtonDrive Password**
    - Your regular Proton account password
    - Keep it handy for the setup process
  3. **2FA Code** (if enabled)
    - If you have two-factor authentication enabled on your Proton account
    - Have your 2FA device (phone/authenticator app) ready
  4. **rclone installed**
    - Should already be installed if you used our installer
    - Verify with: `rclone version`
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## Quick Setup (Recommended)

The easiest way to set up ProtonDrive is through the built-in setup wizard:

1. **Launch ProtonDrive Sync**

```
protodrive-sync
```

2. **Follow the Setup Wizard**

- The wizard will detect if ProtonDrive is configured
- If not, click “**Configure ProtonDrive Now**”
- A terminal window will open automatically

3. **Complete Configuration**

- Follow the on-screen instructions
  - The wizard will test your connection
  - Once successful, proceed to selective sync and other settings
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## ⚡ Manual Setup (Advanced)

If you prefer to configure rclone manually or the automatic method didn't work:

### Step 1: Open rclone Configuration

Open a terminal and run:

```
rclone config
```

### Step 2: Create New Remote

When prompted:

```
Current remotes:
```

Name	Type
====	====

- e) Edit existing remote
- n) New remote
- d) Delete remote
- r) Rename remote
- c) Copy remote
- s) Set configuration password
- q) Quit config

Type **n** and press Enter.

### Step 3: Name Your Remote

```
Enter name for new remote.  
name>
```

Type a name like **protodrive** (or any name you prefer) and press Enter.

### Step 4: Select ProtonDrive

You'll see a long list of storage providers:

```
Type of storage to configure.  
Choose a number from below, or type in your own value  
[...]  
35 / Proton Drive  
    \ (protodrive)  
[...]
```

Find “**Proton Drive**” in the list (usually number 35 or nearby) and enter that number.

## Step 5: Configure ProtonDrive Settings

### Username (Email)

```
Proton Drive username (email).  
Enter a value.  
username>
```

Enter your **ProtonDrive email address**.

### Password

```
Proton Drive password.  
Enter a value.  
password>
```

Enter your **ProtonDrive password**.

⚠ **Security Note:** Your password is stored securely by rclone using encryption.

### 2FA (If Enabled)

If you have 2FA enabled, you'll be prompted:

```
Proton Drive 2FA code (if enabled).  
Enter a value. Press Enter to leave empty.  
2fa>
```

Enter your current 2FA code from your authenticator app.

### App Password (Optional)

For enhanced security, ProtonDrive may ask you to use an app password:

```
Use app password instead of regular password?  
Enter a boolean value (true or false). Press Enter for the default  
(false).  
use_app_password>
```

- Type **false** for regular password (easier)
- Type **true** if you want to use an app-specific password (more secure)

If you choose true, you'll need to: 1. Go to [account.proton.me/security](https://account.proton.me/security) 2. Create an app password for “ProtonDrive Sync” 3. Use that password in the config

## **Step 6: Advanced Configuration**

```
Edit advanced config?  
y/n>
```

Type **n** (No) unless you have specific requirements.

## **Step 7: Verify Configuration**

rclone will show a summary:

```
Configuration complete.  
Options:  
- type: protondrive  
- username: your.email@proton.me  
Keep this "protondrive" remote?  
y/e/d>
```

Type **y** (Yes) to save.

## **Step 8: Exit Configuration**

```
q) Quit config
```

Type **q** to quit.

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## **✓ Verify Your Setup**

Test your ProtonDrive connection:

```
rclone lsd protondrive:
```

If successful, you should see a list of your top-level ProtonDrive folders.

### **Example output:**

```
-1 2024-01-15 10:30:45      -1 Documents  
-1 2024-01-15 10:30:45      -1 Photos  
-1 2024-01-15 10:30:45      -1 Work
```

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## **⌚ Using ProtonDrive with ProtonDrive Sync**

Once configured:

### **1. Launch ProtonDrive Sync**

```
protodrive-sync
```

2. **The app will automatically detect** your ProtonDrive remote
  3. **Configure sync settings:**
    - Choose sync mode (full/selective/exclude)
    - Select local folder
    - Set up automatic sync
  4. **Start syncing!** ☺
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## ⌘ Troubleshooting

### Issue: “Command not found: rclone”

#### Solution:

```
# On CachyOS/Arch:  
sudo pacman -S rclone
```

```
# On Ubuntu/Debian:  
sudo apt install rclone
```

```
# On Fedora:  
sudo dnf install rclone
```

### Issue: “Authentication failed”

#### Solutions:

1. **Check your password** - Make sure you're using the correct ProtonDrive password
2. **2FA code** - If you have 2FA, make sure you entered the current code
3. **Account locked** - Check if your Proton account is locked or requires verification
4. **Reconfigure** - Delete the remote and start over:

```
rclone config delete protodrive  
rclone config
```

### Issue: “Could not list ProtonDrive folders”

#### Solutions:

### 1. Test connection:

```
rclone lsd protondrive: -vv
```

The `-vv` flag shows detailed output for debugging.

### 2. Check ProtonDrive status - Visit [protonstatus.com](https://protonstatus.com) to check if ProtonDrive is experiencing issues

### 3. Update rclone:

```
# On CachyOS/Arch:  
sudo pacman -Syu rclone
```

### 4. Check firewall - Make sure your firewall isn't blocking rclone

## Issue: “Timeout connecting to ProtonDrive”

### Solutions:

#### 1. Check internet connection

#### 2. Try again later - ProtonDrive servers might be busy

#### 3. Use a different network - Try switching from WiFi to Ethernet or vice versa

#### 4. Increase timeout:

```
rclone lsd protondrive: --timeout 60s
```

## Issue: “Remote ‘protondrive’ not found”

### Solution:

The remote name doesn't match. Check available remotes:

```
rclone listremotes
```

Make sure you're using the exact name (case-sensitive) when configuring ProtonDrive Sync.

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## 🔒 Security Best Practices

### 1. Use App Passwords (Recommended)

Instead of your main ProtonDrive password, create an app-specific password:

1. Go to [account.proton.me/security](https://account.proton.me/security)
2. Scroll to “App passwords”

3. Click "Create app password"
4. Name it "ProtonDrive Sync"
5. Use this password in rclone config

**Benefits:** - More secure - separate from your main password - Can be revoked if compromised - Limited scope

## 2. Enable rclone Configuration Password

Protect your rclone configuration with encryption:

```
rclone config  
# Choose: s) Set configuration password
```

This encrypts your stored ProtonDrive credentials.

## 3. Secure Your Config File

The rclone config file is located at:

```
~/.config/rclone/rclone.conf
```

Make sure it has restricted permissions:

```
chmod 600 ~/.config/rclone/rclone.conf
```

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## 💡 Tips for CachyOS Users

### Optimized Performance

CachyOS's performance optimizations will benefit ProtonDrive Sync:

- **Faster sync operations** - CachyOS's optimized kernel helps with I/O
- **Better multi-threading** - Parallel operations work more efficiently
- **Lower latency** - Network operations are optimized

### Recommended Settings for CachyOS

1. **Enable automatic sync** - Take advantage of background performance
2. **Use selective sync** - Sync only what you need
3. **Set bandwidth limits** - Prevent network saturation during gaming/streaming
4. **Use SSD for local folder** - If you have one, use it for the sync folder

## AUR Helpers

If you need additional packages:

```
# Install yay (recommended)
```

```
sudo pacman -S yay
```

```
# Or paru
```

```
sudo pacman -S paru
```

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## \_additional Resources

- **rclone Documentation:** [rclone.org/protondrive](https://rclone.org/protondrive)
  - **ProtonDrive Help:** [proton.me/support/drive](https://proton.me/support/drive)
  - **ProtonDrive Sync GitHub:** Issues and discussions
  - **Proton Community:** [proton.me/community](https://proton.me/community)
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## FAQ

### Q: Can I sync multiple ProtonDrive accounts?

**A:** Yes! Create multiple remotes with different names:

```
rclone config  
# Create: protondrive1, protondrive2, etc.
```

Then in ProtonDrive Sync, you can switch between them in settings.

### Q: Will this work with ProtonDrive free plan?

**A:** Yes! ProtonDrive Sync works with both free and paid plans. Free plan limitations still apply (storage space).

### Q: How secure is this?

**A:** Very secure! - Uses ProtonDrive's end-to-end encryption - rclone securely stores credentials - All traffic is encrypted - Open-source code you can audit

### Q: Can I use ProtonDrive Sync on multiple computers?

**A:** Yes! Just configure rclone on each computer. Be careful with bidirectional sync to avoid conflicts.

## **Q: Will this sync in real-time?**

**A:** Not quite real-time, but you can set sync intervals as low as 5 minutes for near-real-time syncing.

## **Q: Does this work offline?**

**A:** No, you need an internet connection to sync with ProtonDrive. Local files remain accessible offline.

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## **❖ Success!**

You're all set up! Your ProtonDrive is now connected and ready to sync.

**Next steps:** 1. Open ProtonDrive Sync 2. Configure your sync preferences 3. Choose which folders to sync 4. Start syncing!

Enjoy secure, private cloud storage with ProtonDrive! 

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**Need help?** Open an issue on GitHub or check our troubleshooting guide.