

# Resilio Sync

Simple tool that applies p2p protocol for direct live folder sync with maximum security, network speed and storage capacity

- [Resilio Sync](#)

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Please make yourself aware of the Ultra.cc Fair Usage Policy. Directly pointing Resilio Sync to sync your cloud storage will create extreme strain on your slot's disk and could cause a 24-hour ban on accessing your cloud storage. Please Consider Rsync or Rclone with a reasonable limit set on speed. It is your responsibility to ensure usage is within acceptable limits. Ignorance is not an excuse.

**Resilio Sync** (formerly BitTorrent Sync) is a proprietary peer-to-peer file synchronization and sharing tool. It can securely sync files between devices on a local network, or between remote devices over the Internet via a modified version of the BitTorrent protocol. Major features are the following (take note that some of the features require [Sync Home/Sync Family Premium Plan](#)):

- Traffic between devices is encrypted with AES-128
- Can sync files to all of your connected devices
- Selective Sync
- Per User Folder Permissions
- Control Bandwidth Usage
- Available on major platforms

Resilio Sync has some paid features, which has been listed below:

- Free version only has One Synchronization Mode (Synced) and can only sync standard folders.
- Advance folder sync is a Pro feature.
- Free has No local sync ability
  - You cannot sync Folder A to Folder B if both folders are on your Ultra.cc Slot
- You cannot change permissions once set in the free version. You would have to recreate the sync folder from scratch.
- Free cannot perform selective sync. Everything inside a selected folder will be synced, and a filter cannot be applied

For more information on Resilio Pro, please visit [this link](#)

For more general information, you can visit [this link](#).

Resilio Sync is counted towards your monthly upload bandwidth quota.

In this section, we'll be setting up Resilio Sync for the first time. For this guide, we'll assume you want to set up a folder on your slot as your "synced folder", which will be synced automatically to your devices.

## Initial Setup

By default, `Store deleted files in the folder archive` is enabled. Keeping this setting enabled could lead to a lot of storage space being used over time. More information on such a scenario can be found [here](#).

- From your [User Control Panel](#), go to the **Installers** tab and find Resilio Sync in the list. Click the **Install** button.
- When prompted, set a [strong password](#).
- Wait until the installation has been completed.
- Go to the **Apps** tab on the UCP and find Resilio Sync in the list
- Click the **Show info** button to reveal the URL to access the webUI of Resilio Sync.
- Once the webUI has been accessed, you will be presented with the Resilio Sync setup wizard.
- Choose Product: **Sync**
- Set a **Name** of the sync server.
  - *Please choose carefully as this cannot be changed later*

Due to recent changes in Resilio Sync 3.0, a license key is now required to setup Resilio Sync. A free license key can be obtained by registering on [resilio.com](https://resilio.com).

- Register at [resilio.com/sync/register](https://resilio.com/sync/register) to obtain a license key.
- Once you have received your license key via email, you need to upload it to your Ultra service.
  - We recommend to upload it via [FTP](#), but feel free to use any method.
- Take note of the path where you uploaded the license key, as you will need to navigate to it when applying the key in the setup wizard.
- Next, press **Apply New License** and navigate to the previously uploaded license key.
  - The default name of the license key is `Resilio Sync.btskey`

## Adding your First Folder

Before Syncing any file from your Ultra.cc to another Device, you must tell Resilio what folders need to be included.

## Sharing Options

### Link

After clicking the media folder then clicking open, you are presented with this screen. The following are our recommended options

### Permissions

- Read Only: The Client Device can read and copy the data but Cannot delete or add to the Folder
- Read & Write: The Client Device can read and copy the data CAN delete or add to the Folder

### Security

- New Peers Must be approved (if sharing with other people)
- Link Expiry and Number of uses applies to the email link or copied link only

Setting this means that if you share the link with a friend or publicly, anyone trying to sync will need to be manually approved upon the First connection attempt only. This can be changed to all peers by clicking the blue text, which will cause every connection, regardless of if it's been made before, to require manual acceptance. If you are planning to use syncing just for personal use, I would recommend disabling this checkbox.

## Folder Keys

These are Unique codes that can be used to connect sync clients with the required permissions without the need to use the security options above.

## QR code

This can be used to connect the Folder to your mobile devices.

# Finalizing Setup

## File Download Location

Go to Preferences -> General. The only option you need to set here is **File download location**. It is used if you want to pull data from a client to your Ultra.cc Server. USB recommends logging into your slot and creating a new clean folder for your downloads, and setting it in the above options.

On SSH, do the following commands:

```
mkdir ~/resilio  
echo ~/resilio
```

Copy the output of that file, then Edit the option in Resilio by unticking "Ask where to save each file before downloading," then add the full path of `resilio` to the end of the path

## Speed Throttling

You may also have to set the speed throttling options here. This is used to help keep your bandwidth under control as syncs are highly IO intensive. **Also, Resilio sync is counted to your upload bandwidth.**

We recommend `25MB/s` for both download and upload.

# Connecting Your Resilio Sync Server to your Devices

To connect your Resilio Sync server to your devices, you need to install **Resilio Sync Clients** to your devices. You may visit this page for more info: <https://www.resilio.com/platforms/desktop/>

The process varies per device, but this assumes that you'll be connecting to your Windows PC. We will make use of the Key Or Link you set up. Click the plus button and `click Enter a key or link.`

This will present a follow-up screen to paste your Key or link into. Paste the link or Key to add the Folder.

Clicking **Next** will then open Windows explorer for you to choose the Folder that you want to sync to.

The syncing will begin as soon as you select your Folder.

# Resilio Sync Free vs Pro

Resilio Sync has some paid features, which has been listed below:

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For more information on Resilio Pro Please Visit: <https://help.resilio.com/hc/en-us/articles/204754419-Sync-FREE-vs-Sync-PRO>