

Things (Also) to Consider ...

How to keep your transcripts safe and how to get (maybe) better results.

- [Storage & Preventing Data Loss](#)
- [Beyond a Raspberry Pi 500 ...](#)

Storage & Preventing Data Loss

SD Cards Are Not (Really) a Storage Medium

You need to set up Syncthing not only on the device you are using to create the transcripts, but also on your main computer — or any computer in your network, you like to store the finished transcripts on.

The Raspberry Pi 500 uses an SD card as main storage medium. While modern SD cards offer plenty of space, they are by far not a secure storage medium. A potential failure of the SD card and resulting data loss will be a real concern, especially when your applications writing a lot of data on the card — as audio capture typically does.

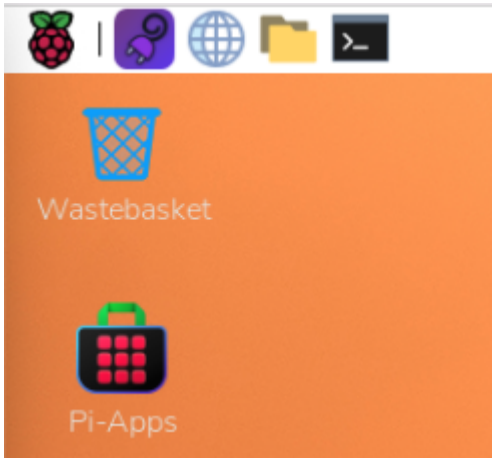
There are several steps you can take, to prevent data loss:

1. Using a normal [Raspberry Pi 5 with added SSD storage](#)
2. Attaching external storage (this might lead to problems, if writing to the device will become too slow)
3. Syncing the files in the background with another device.


While 1. will make your project sadly a lot more expensive, the second option can be done with Open-Source tools.

Installing Syncthing



Open **Pi-Apps** and from the `System Management` menu choose and install [Syncthing](#).



Pi-Apps


 PROTIP: Try the Pi-Apps 3D dark mode. In Settings, choose xlunch.

- All Apps
- Appearance
- Creative Arts
- Engineering
- Games
- Installed
- Internet
- Multimedia
- Office
- Packages
- Programming
- System Management
- Terminals
- Tools



 




Pi-Apps

 PROTIP: Try the Pi-Apps 3D dark mode. In Settings, choose xlunch.

- CommanderPi
- Disk Usage Analyzer
- Fastfetch
- GParted
- Mission Center
- Neofetch
- Pika Backup
- Pi Power Tools
- Plasma Discover
- Snap Store
- Synaptic
- Syncthing
- SysMonTask
- Systemd Pilot
- System Monitoring Center
- Timeshift
- Update Buddy



 

Details of Syncthing

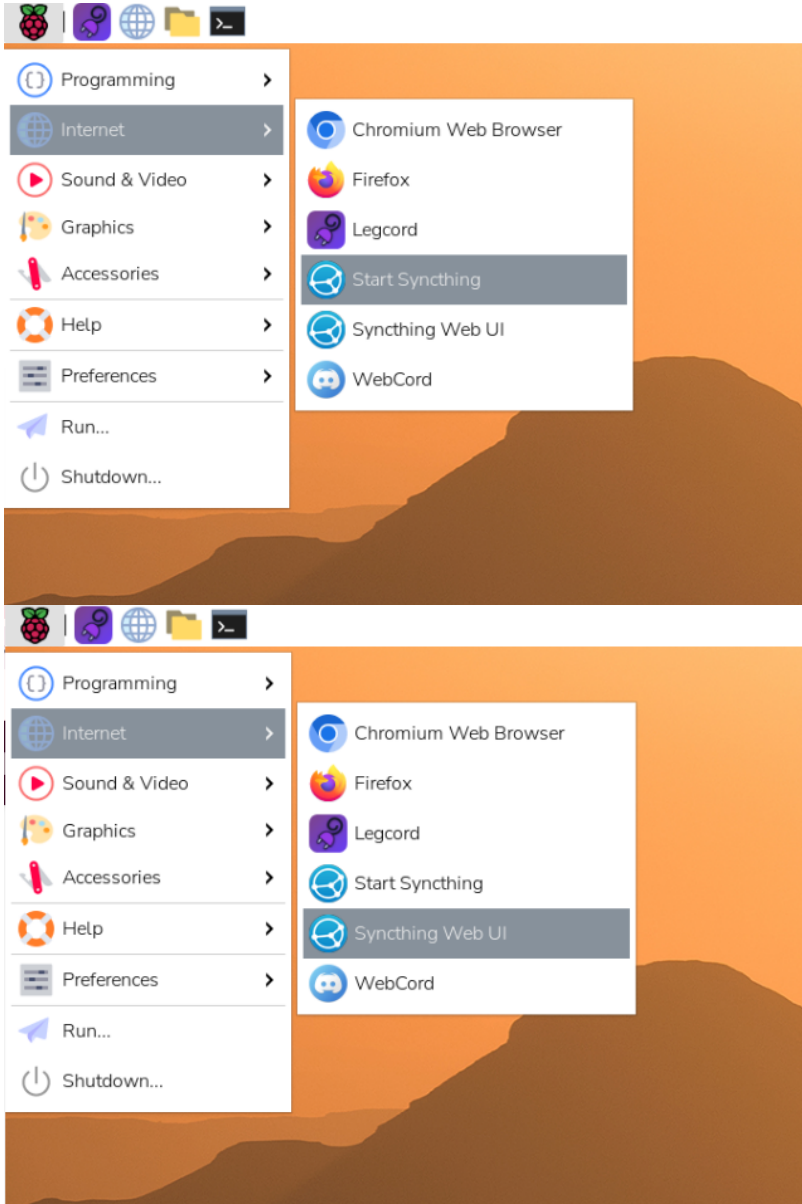
 **Syncthing (installed)**
- Website: <https://syncthing.net> | [Credits](#)
- **5,092** users!

A sync manager that syncs folders to different devices no matter where you are!

To run: Menu -> Internet -> Syncthing
To run in a terminal: `syncthing`

 Scripts  Uninstall

After the installation finished, first start **Synthing** and then open the **Synthing Web UI**.
(Usually <http://localhost:8384/>)





Now configure your transcripts folder `~/meetings/recordings` as a synced folder and invite another device in your home network to join. If you like, you can set this folder to "Send only".

I recommend to set versioning for this folder to "Off".

If you use file sync, remember to delete the recordings from all your devices after your session is finished and the transcript written. You can prevent the .wav files from syncing altogether by using the "Ignore Patterns" option.

Ordner (2)

 Default Folder Ungeteilt

 TranscriptOMatic Aktuell

|| Alles pausieren



🔄 Alle neu scannen



+ Ordner hinzufügen

Dieses Gerät

 Cox	
 Downloadrate	0 B/s (946 B)
 Uploadrate	0 B/s (635 B)
 Lokaler Status (gesamt)	 21  6  ~435 MiB
 Zuhörer	3/3
 Gerätesuche	4/5
 Betriebszeit	3m
 Kennung	
 Version	v1.30.0, Linux (64-bit ARM)

Externe Geräte (2)

 Lenticular Aktuell 

 perlucidus Verbunden (nicht genutzt) 

|| Alles pausieren

🔔 Letzte Änderungen

+ Gerät hinzufügen

Beyond a Raspberry Pi 500

...

If you want to try to get better results than I was able to produce, consider using a [Raspberry Pi 5](#) with the maximum RAM configuration (16GB), an [add-on board](#) for [SSD storage](#) and a [case with integrated fan](#).

As the market for memory has been significantly impacted by the AI industry, this will push the project sadly beyond the line where I would consider it 'low-cost', landing it somewhere up to €/\$400.

It might be a better idea to look out for cheap used mini PCs or just to work with hardware you already have.

The more memory you have, the better the results you'll be able to get. Larger local language models reduce errors, hallucinations and improve recognition of accents and specialist language. With sufficient hardware, speaker diarization — distinguishing between different speakers — also becomes feasible.