

PolyVox Studio User Guide



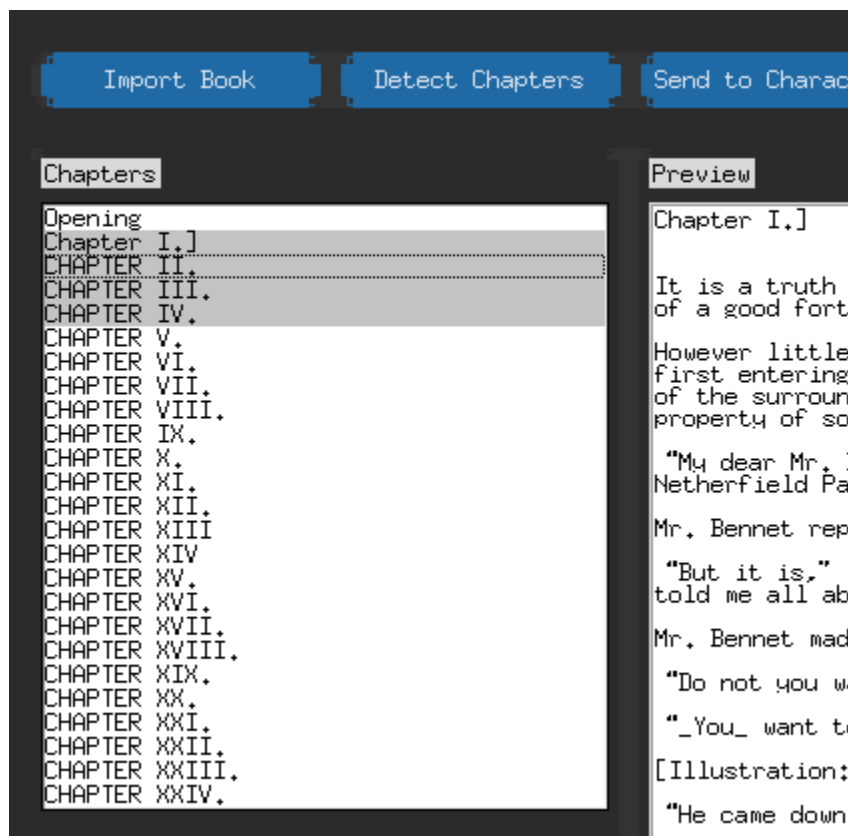
Book Processing Tab

Import book by pressing import button and selecting file (.txt .pdf. EPUB)

Click Detect Chapters

you can select multiple chapters by using the Ctrl+click/Shift+click or by click and drag methods (note: selecting more than 3 chapters could lead to issues in character detection)

Click Send to Characters (you will Automatically be sent to the next tab)



Characters Tab

In the Characters tab click Detect Characters: may take up to 1 minute to detect characters

Book Processing Characters Voices Audio Processing Clone Voices GPU Monitor

Narrator
George Allen
His Wife
Their Daughters
Unknown

Character Operations

Add Character

Detect Characters

Completed

Delete Selected

Merge Selected

Line Operations

Reassign Selected Lines

Split Selected Line

Merge Selected Lines

Delete Selected Lines

Send to Voices

<input type="checkbox"/> Narrator	Chapter I.] It is a truth universally acknowledged, that a single man in possession of a good fortun...
<input type="checkbox"/> Their Daughters	"My dear Mr. Bennet,"
<input type="checkbox"/> Narrator	said his lady to him one day,
<input type="checkbox"/> Their Daughters	"have you heard that Netherfield Park is let at last?"
<input type="checkbox"/> Their Daughters	"Mr. Bennet replied that he had not."
<input type="checkbox"/> Unknown	"But it is,"
<input type="checkbox"/> Narrator	returned she;
<input type="checkbox"/> Unknown	"for Mrs. Long has just been here, and she told me all about it."
<input type="checkbox"/> Narrator	Mr. Bennet made no answer.
<input type="checkbox"/> His Wife	"Do not you want to know who has taken it?"
<input type="checkbox"/> Narrator	cried his wife, impatiently.
<input type="checkbox"/> George Allen	"_ You _ want to tell me, and I have no objection to hearing it."
<input type="checkbox"/> George Allen	"He came down to see the place"
<input type="checkbox"/> Narrator	[_ Copyright 1894 by George Allen. _]] This was invitation enough.
<input type="checkbox"/> Unknown	"Why, my dear, you must know, Mrs. Long says that Netherfield is taken by a young man of large fortu...
<input type="checkbox"/> George Allen	"What is his name?"
<input type="checkbox"/> Unknown	"Bingley."
<input type="checkbox"/> George Allen	"Is he married or single?"
<input type="checkbox"/> George Allen	"Oh, single, my dear, to be sure!
<input type="checkbox"/> Narrator	A single man of large fortune; four or five thousand a year. What a fine thing for our girls!
<input type="checkbox"/> Unknown	"How so?"
<input type="checkbox"/> Narrator	how can it affect them? replied his wife,
<input type="checkbox"/> Unknown	"how can you be so tiresome? You must know that I am thinking of his marrying one of them."
<input type="checkbox"/> Unknown	"Is that his design in settling here?"
<input type="checkbox"/> George Allen	"Design?"
<input type="checkbox"/> Narrator	Nonsense, how can you talk so! But it is very likely that he _ may _ fall in love with one of them, ...
<input type="checkbox"/> Unknown	"I see no occasion for that. You and the girls may go -- or you may send them by themselves, which p...
<input type="checkbox"/> George Allen	"My dear, you flatter me.
<input type="checkbox"/> Narrator	I certainly _ have _ had my share of beauty, but I do not pretend to be anything extraordinary now. ...
<input type="checkbox"/> George Allen	"In such cases, a woman has not often much beauty to think of."
<input type="checkbox"/> Unknown	"But, my dear, you must indeed go and see Mr. Bingley when he comes into the neighbourhood."
<input type="checkbox"/> Unknown	"It is more than I engage for, I assure you."
<input type="checkbox"/> Unknown	"But consider your daughters.
<input type="checkbox"/> Narrator	Only think what an establishment it would be for one of them. Sir William and Lady Lucas are determi...
<input type="checkbox"/> Unknown	"You are over scrupulous, surely. I dare say Mr. Bingley will be very glad to see you; and I will se...
<input type="checkbox"/> Unknown	"I desire you will do no such thing.
<input type="checkbox"/> Narrator	Lizzy is not a bit better than the others: and I am sure she is not half so handsome as Jane, nor ha...
<input type="checkbox"/> Unknown	"Then have none of them such a handsome man "

Once detection is complete you can

Add characters

Delete Characters (if a detected character is not correct)

Rename Characters (if name detected is not correct or has a descriptor added “Poor Alice” change to “Alice”

Merge Selected characters (select multiple characters from the list and click merge and then use the drop down box to select which character to merge the names into)

The screenshot displays a software interface for managing characters in a text document. On the left, a vertical list shows detected characters: Narrator, George Allen, His Wife, Their Daughters, and Unknown. Below this list are two sections of controls. The 'Character Operations' section includes buttons for 'Add Character', 'Detect Characters', 'Delete Selected', and 'Merge Selected'. The 'Line Operations' section includes buttons for 'Reassign Selected Lines', 'Split Selected Line', 'Merge Selected Lines', and 'Delete Selected Lines'. The main area of the interface is a list of text lines from a document, each preceded by a checkbox and a character name. The characters listed are Narrator, Their Daughters, and Unknown. A 'Merge Characters' dialog box is open over the list, showing a dropdown menu with 'George Allen' and 'Unknown' as options. The text lines in the background include dialogue from 'Pride and Prejudice'.

Character	Text
<input type="checkbox"/> Narrator	Chapter I.] It is a truth universally acknowledged, that a single man in possession of a good fortun...
<input type="checkbox"/> Their Daughters	"My dear Mr. Bennet,"
<input type="checkbox"/> Narrator	said his lady to him one day,
<input type="checkbox"/> Their Daughters	"have you heard that Netherfield Park is let at last?"
<input type="checkbox"/> Their Daughters	"Mr. Bennet replied that he had not."
<input type="checkbox"/> Unknown	"But it is,"
<input type="checkbox"/> Narrator	returned she;
<input type="checkbox"/> Unknown	"for Mrs. Long has just been here, and she told me all about it."
<input type="checkbox"/> Narrator	Mr. Bennet made no answer.
<input type="checkbox"/> His Wife	"Do not you want to know who has taken it?"
<input type="checkbox"/> Narrator	cried his wife, impatiently.
<input type="checkbox"/> George Allen	"_ You _ want to tell me, and I have no objection to hearing it."
<input type="checkbox"/> George Allen	"He came down to see the place"
<input type="checkbox"/> Narrator	[_ Copyright 1894 by George Allen. _]] This was invitation enough.
<input type="checkbox"/> Unknown	"Why, my dear, you must know, Mrs. Long says that Netherfield is taken by a young man of large fortu...
<input type="checkbox"/> George Allen	"What is his name?"
<input type="checkbox"/> Unknown	"Bingley."
<input type="checkbox"/> George Allen	"Is he married or single?"
<input type="checkbox"/> George Allen	"Oh, single, my dear, to be sure!"
<input type="checkbox"/> Narrator	A single man of large fortune; four or five t...
<input type="checkbox"/> Unknown	"How so?"
<input type="checkbox"/> Narrator	how can it affect them? replied his wife,
<input type="checkbox"/> Unknown	"how can you be so tiresome? You must know that I am thinking of his marryi...
<input type="checkbox"/> Unknown	one of them."
<input type="checkbox"/> Unknown	"Is that his design in settling here?"
<input type="checkbox"/> George Allen	"Design?"
<input type="checkbox"/> Narrator	Nonsense, how can you talk so! But it is very likely that he _ may _ fall i...
<input type="checkbox"/> Unknown	love with one of them, ...
<input type="checkbox"/> Unknown	"I see no occasion for that. You and the girls may go -- or you may send th...
<input type="checkbox"/> Unknown	by themselves, which p...
<input type="checkbox"/> George Allen	"My dear, you flatter me."
<input type="checkbox"/> Narrator	I certainly _ have _ had my share of beauty, but I do not pretend to be anything extraordinary now. ...
<input type="checkbox"/> George Allen	"In such cases, a woman has not often much beauty to think of."
<input type="checkbox"/> Unknown	"But, my dear, you must indeed go and see Mr. Bingley when he comes into th...
<input type="checkbox"/> Unknown	neighbourhood."
<input type="checkbox"/> Unknown	"It is more than I engage for, I assure you."
<input type="checkbox"/> Unknown	"But consider your daughters."
<input type="checkbox"/> Narrator	Only think what an establishment it would be for one of them. Sir William a...
<input type="checkbox"/> Unknown	Lady Lucas are determi...
<input type="checkbox"/> Unknown	"You are over scrupulous, surely. I dare say Mr. Bingley will be very glad...
<input type="checkbox"/> Unknown	see you; and I will se...

Characters Tab

If certain lines are not correct like Narration merged to character lines or narration split you can merge/split and edit lines using those buttons

Place the cursor where you want to split the line and hit enter to split the line

The screenshot displays the 'Characters Tab' interface. On the left, a sidebar contains 'Character Operations' (Add Character, Detect Characters, Completed, Delete Selected, Merge Selected) and 'Line Operations' (Reassign Selected Lines, Split Selected Line, Merge Selected Lines). The main area shows a list of lines with checkboxes and speaker names. A 'SplitLine' dialog box is open, showing the original speaker and the position cursor where the line is split. The dialog box contains the text: 'Original Speaker: Narrator', 'Position cursor where you want to split and press ENTER. You can split multiple times. Click 'Done' when finished.', and a 'Done - Apply Split' button.

Character	Line
<input type="checkbox"/> Narrator	Chapter I.] It is a truth universally acknowledged, that a single man in possession of a good fortun...
<input type="checkbox"/> Their Daughters	"My dear Mr. Bennet,"
<input type="checkbox"/> Narrator	said his lady to him one day,
<input type="checkbox"/> Their Daughters	"have you heard that Netherfield Park is let at last?"
<input type="checkbox"/> Their Daughters	"Mr. Bennet replied that he had not."
<input type="checkbox"/> Unknown	"But it is,"
<input type="checkbox"/> Narrator	returned she;
<input type="checkbox"/> Unknown	"for Mrs. Long has just been here, and she told me all about it."
<input type="checkbox"/> Narrator	Mr. Bennet made no
<input type="checkbox"/> His Wife	"Do not you want t
<input type="checkbox"/> Narrator	cried his wife, im
<input type="checkbox"/> George Allen	"_ You _ want to t
<input type="checkbox"/> George Allen	"He came down to s
<input type="checkbox"/> Narrator	[_ Copyright 1894
<input type="checkbox"/> Unknown	"Why, my dear, you young man of large
<input type="checkbox"/> George Allen	"What is his name?"
<input type="checkbox"/> Unknown	"Bingley."
<input type="checkbox"/> George Allen	"Is he married or
<input type="checkbox"/> George Allen	"Oh, single, my de
<input type="checkbox"/> Narrator	A single man of la thing for our girl
<input type="checkbox"/> Unknown	"How so?"
<input type="checkbox"/> Narrator	how can it affect
<input type="checkbox"/> Unknown	"how can you be so one of them."
<input type="checkbox"/> Unknown	"Is that his desig
<input type="checkbox"/> George Allen	"Design?"
<input type="checkbox"/> Narrator	Nonsense, how can love with one of t
<input type="checkbox"/> Unknown	"I see no occasion by themselves, whi
<input type="checkbox"/> George Allen	"My dear, you flat
<input checked="" type="checkbox"/> Narrator	I certainly _ have _ had my share of beauty, but I do not pretend to be anything extraordinary now. ...
<input type="checkbox"/> George Allen	"In such cases, a woman has not often much beauty to think of."
<input type="checkbox"/> Unknown	"But, my dear, you must indeed go and see Mr. Bingley when he comes into the neighbourhood."
<input type="checkbox"/> Unknown	"It is more than I engage for, I assure you."
<input type="checkbox"/> Unknown	"But consider your daughters."
<input type="checkbox"/> Narrator	Only think what an establishment it would be for one of them. Sir William and Lady Lucas are determi...

To merge lines select multiple lines from list by clicking the checkbox and select merge lines, the lines will merge automatically in order, you can make edits to the text in the box if needed and then select which character should take over the current line

The screenshot displays the 'Book Processing' software interface. At the top, a menu bar includes 'Book Processing', 'Characters', 'Voices', 'Audio Processing', 'Clone Voices', 'GPU Monitor', 'Debug', and 'Settings'. On the left, a sidebar lists characters: 'Narrator', 'George Allen', 'His Wife', 'Their Daughters', and 'Unknown'. Below this, 'Character Operations' include 'Add Character', 'Detect Characters', 'Completed', 'Delete Selected', and 'Merge Selected'. 'Line Operations' include 'Reassign Selected Lines', 'Split Selected Line', and 'Merge Selected Lines'. The main area shows a list of lines with checkboxes. A 'Merge Lines' dialog box is open, showing a warning: 'Warning: Lines have different speakers: George Allen, Narrator'. It lists the lines being merged and provides a text area for editing the merged text. The dialog also has a 'Assign to Speaker' dropdown and 'Save Merged Line' and 'Cancel' buttons.

Character	Text
<input type="checkbox"/> Narrator	Chapter I.] It is a truth universally acknowledged, that a single man in possession of a good fortun...
<input type="checkbox"/> Their Daughters	"My dear Mr. Bennet,"
<input type="checkbox"/> Narrator	said his lady to him one day,
<input type="checkbox"/> Their Daughters	"have you heard that Netherfield Park is let at last?"
<input type="checkbox"/> Their Daughters	"Mr. Bennet replied that he had not."
<input type="checkbox"/> Unknown	"But it is,"
<input type="checkbox"/> Narrator	returned she;
<input type="checkbox"/> Unknown	"for Mrs. Long has just been here, and she told me all about it."
<input type="checkbox"/> Narrator	Mr. Bennet made no
<input type="checkbox"/> His Wife	"Do not you want t
<input type="checkbox"/> Narrator	cried his wife, im
<input type="checkbox"/> George Allen	"_ You _ want to t
<input type="checkbox"/> George Allen	"He came down to s
<input type="checkbox"/> Narrator	[_ Copyright 1894
<input type="checkbox"/> Unknown	"Why, my dear, you young man of large
<input type="checkbox"/> George Allen	"What is his name?
<input type="checkbox"/> Unknown	"Bingley."
<input type="checkbox"/> George Allen	"Is he married or
<input type="checkbox"/> George Allen	"Oh, single, my de
<input type="checkbox"/> Narrator	A single man of la thing for our girl
<input type="checkbox"/> Unknown	"How so?
<input type="checkbox"/> Narrator	how can it affect
<input type="checkbox"/> Unknown	"how can you be so one of them."
<input type="checkbox"/> Unknown	"Is that his desig
<input type="checkbox"/> George Allen	"Design?
<input type="checkbox"/> Narrator	Nonsense, how can love with one of t
<input type="checkbox"/> Unknown	"I see no occasion by themselves, whi
<input checked="" type="checkbox"/> George Allen	"My dear, you flatter me.
<input checked="" type="checkbox"/> Narrator	I certainly _ have _ had my share of beauty, but I do not pretend to be anything extraordinary now. ...
<input checked="" type="checkbox"/> George Allen	"In such cases, a woman has not often much beauty to think of."
<input type="checkbox"/> Unknown	"But, my dear, you must indeed go and see Mr. Bingley when he comes into the neighbourhood."
<input type="checkbox"/> Unknown	"It is more than I engage for, I assure you."
<input type="checkbox"/> Unknown	"But consider your daughters."
<input type="checkbox"/> Narrator	Only think what an establishment it would be for one of them. Sir William and Lady Lucas are determi...

You can also delete lines using the delete lines function as sometimes there is duplicated text or weird artifacts that can sneak into the lines.

Once you have made all your edits click the "Send to Voices" Button and click the voices tab at the top to move to that section.

Voices Tab

Voices tab is to assign voices to each character

Click Refresh Characters to import characters from the previous tab
assign characters using the drop down for each character

Book ProcessingCharactersVoicesAudio ProcessingClone VoicesGPU MonitorDebugSettings

Voice Library

Voice Name	Type	Gender	Age	Accent
Narrator - African American	Standard	Male	Adult	African American
Narrator - African American	Standard	Male	Adult	African American
Narrator - New York Male	Standard	Male	Adult	New York
Narrator - British Male	Standard	Male	Adult	British
Narrator - African American	Standard	Female	Adult	African American
Narrator - New York Female	Standard	Female	Adult	New York
Narrator - British Female	Standard	Female	Adult	British
Narrator - Southern Male	Standard	Male	Adult	Southern
African American Male - Urba	Standard	Male	Adult	African American
African American Male - Prof	Standard	Male	Adult	African American
African American Female - Wa	Standard	Female	Adult	African American
African American Female - Pr	Standard	Female	Adult	African American
New York Male - Expressive	Standard	Male	Adult	New York
New York Male - Casual	Standard	Male	Adult	New York
New York Male - Professional	Standard	Male	Adult	New York
New York Male - Different To	Standard	Male	Adult	New York
New York Female - Variant 1	Standard	Female	Adult	New York
New York Female - Variant 2	Standard	Female	Adult	New York
New York Female - Variant 3	Standard	Female	Adult	New York
New York Female - Variant 4	Standard	Female	Adult	New York
Asian American Female	Standard	Female	Adult	Asian American
Indian American Male	Standard	Male	Adult	Indian American
Indian American Female	Standard	Female	Adult	Indian American
Southern Male	Standard	Male	Adult	Southern
Southern Female	Standard	Female	Adult	Southern
British Male	Standard	Male	Adult	British
British Female	Standard	Female	Adult	British
Tough Male - Gruff	Standard	Male	Adult	American
Tough Male - Street	Standard	Male	Adult	American
Tough Male - Military	Standard	Male	Adult	American
Snooth Male - Charming	Standard	Male	Adult	American
Nerdy Male - Awkward	Standard	Male	Young Adult	American
Cute Girl - Bubbly	Standard	Female	Young Adult	American
Tough Female - Badass	Standard	Female	Adult	American
Mature Female - Wise	Standard	Female	Mature	American
Sultry Female - Seductive	Standard	Female	Adult	American
Professional Female - Corpor	Standard	Female	Adult	American

Refresh List

Delete Selected

View Details

Test Voice

Set as Default

Total Voices: 37 | Standard: 37 | Cloned: 0

Character Voice Assignments

Refresh Characters

Narrator	New York Male - Expressive [Male, Adult, New York]
George Allen	New York Male - Casual [Male, Adult, New York]
His Wife	New York Female - Variant 1 [Female, Adult, New York]
Their Daughters	Cute Girl - Bubbly [Female, Young Adult, American]
Unknown	African American Male - Professional [Male, Adult, African American]

Send to Audio Processing

once you are satisfied with your character assignments click the send to Audio Processing at the bottom to send information to the next tab

Audio Processing

Once at the Audio processing tab all chapters/batches will be auto selected, A batch is if you selected multiple chapters during the characters detection process

If you are processing one chapter at a time they will appear here, you can choose to process one chapter at a time or all at the same time. You can also open or select output folders (it defaults to “/output/audio”)

Book Processing Characters Voices **Audio Processing** Clone Voices GPU Monitor Debug Settings

Audio Processing

CTKLabel

Controls

▶ Start Processing

■ Stop

🗑 Clean Queue

Select Output Folder

📁 Open Output

📁 Export M4B

🔍 Enable Quality Check (Auto-retry failed audio)

Output: output/audio

Progress

0

CTKLabel

Total: 145 Processed: 0 Failed: 0 Retried: 0

Processing Queue

#	Chapter	Speaker	Voice	Lines	Status	Quality
[X]	Chapter I.]	Narrator, George Allen, Their Daughters, His Wife, Unknown	New York Male - Expressive, New York Female - Variant 1, Cute Girl - Bubbly, New York Ma	50	Pending	-
[X]	CHAPTER II.	Narrator, Kitty, Mrs Bennet, Her Mother, Lydia, Their Father, Mr Bennet, New York Female - Variant 1, African American Male - Urban, New York Male - Expressive, f		55	Pending	-
[X]	CHAPTER III.	Narrator, Mrs Bennet, George Allen, His Wife, Her Husband, Unknowna, Unk New York Male - Expressive, Nerdy Male - Awkward, New York Female - Variant 1, African Ai		40	Pending	-

You can also choose to export all chapters as one audio-book using the export M4B button.

Clone Voices Tab

Clone voices with simple .wav files, need between 6-20 seconds of clear clean voice samples to produce high quality voices. Once sample is cloned input meta data in the fields and generate and save and this will save the voice to the current voices list.

You can also test the newly created voice using the test existing voices portion of the tab, just type whatever you want the voice to say and hit play sample, it will generate the text and play it back.

Book ProcessingCharactersVoicesAudio ProcessingClone VoicesGPU MonitorDebugSettings

Clone Voices

1. Upload Voice Sample

Select Audio File

CTKLabel

2. Voice Information

Voice Name:

Voice Type:voice (voice = character, narrator = narration)

Gender:Unknown

Age Range:Adult

Accent/Style:

Description:

Generate & Save Voice

3. Test Existing Voice

Select Voice:African American Male - Urban [Male, Adult]

Sample Text:

Play Sample

Activity Log

Refreshed voice list: 37 voice(s) available

GPU Monitor Tab

Just a simple GPU monitor to ensure GPU is working and detected



The screenshot shows a software interface with a top navigation bar containing tabs: Book Processing, Characters, Voices, Audio Processing, Clone Voices, GPU Monitor (selected), Debug, and Settings. Below the navigation bar is a 'Toggle GPU Debug' button. The main area is titled 'GPU Monitor' and displays a terminal window with the following content:

```
Sun Oct 19 07:21:29 2025
+-----+
| NVIDIA-SMI 470.256.02   Driver Version: 470.256.02   CUDA Version: 11.4   |
+-----+
| GPU  Name      Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp  Perf  Pwr:Usage/Cap|      Memory-Usage | GPU-Util  Compute M. |
|-----+-----+-----+-----+-----+-----+
| 0  Tesla K80    Off          | 00000000:03:00.0 Off  |      0          0    |
| N/A   40C    P0     57W / 149W| 1651MiB / 11441MiB |      0%    Default  |
|-----+-----+-----+-----+-----+-----+
| 1  Tesla K80    Off          | 00000000:04:00.0 Off  |      0          0    |
| N/A   43C    P0     68W / 149W| 777MiB / 11441MiB  |      0%    Default  |
|-----+-----+-----+-----+-----+-----+
+-----+
| Processes:                                                       GPU Memory |
|  GPU   GI    CI          PID    Type   Process name                  Usage   |
|-----+-----+-----+-----+-----+-----+
| 0      N/A  N/A         999      G   /usr/lib/xorg/Xorg              3MiB   |
| 0      N/A  N/A        4077713    C   python                        1644MiB|
| 1      N/A  N/A         999      G   /usr/lib/xorg/Xorg              3MiB   |
| 1      N/A  N/A        4077713    C   python                        770MiB |
+-----+-----+-----+-----+-----+-----+
+-----+

```

Settings Tab

Can change the theme from light to dark modes

Turn off GPU logging or change the update rate for GPU

Modify audio formats and outputs

Change character detection models

Auto save and auto backup configs

Best to keep on default if you don't know what it does

Settings

[APPEARANCE]

Theme: Dark v

Narrator Color: Apply

Show Tooltips: ☒

[GPU SETTINGS]

GPU Refresh Rate: 2.0s

GPU Debug Mode: ☐

[AUDIO OUTPUT]

Output Directory: Browse

Audio Format: v

Sample Rate: v Hz

Audio Quality: v

Audio Enhancement: ☒ (requires FFmpeg)

[CHARACTER DETECTION]

Model: v

Max Lines per Chapter: Apply

[GENERAL]

Auto-save Interval: minutes Apply

Auto Backup: ☒

Save All Settings

Reset to Defaults

Export Settings

Import Settings