

UI Options → ProcessingOptions → Core Behavior

A quick map from each visible UI control to the options passed to the worker and the downstream behavior in `workbench_core.py`.

UI control (Tk var / control)	ProcessingOptions field	Core behavior / function(s)
URL (<code>url_var</code>)	<code>url</code>	Passed to yt-dlp as the source.
Output folder (<code>out_var</code>)	<code>output_dir</code>	Base output directory; <code>run_sub_dir</code> may add a time-stamped subfolder.
Use run subfolder (<code>use_run_subdir_var</code>)	<code>run_sub_dir</code>	Creates <code>run_YYYYMMDD_HHMMSS</code> and routes logs/outputs there.
Sample rate (dropdown <code>sample_rate_var</code>)	<code>sample_rate</code>	Enforced via ffmpeg; validated by <code>validate_sample_rates(...)</code> .
Bitrate (dropdown <code>bitrate_var</code>)	<code>bitrate</code>	LAME/ffmpeg CBR selection for final MP3s.
Download archive (skip done) (<code>archive_var</code>)	<code>use_archive</code>	Adds a yt-dlp <code>--download-archive</code> file to avoid redownloads.
Include video ID in name (<code>include_id_var</code>)	<code>include_id</code>	Affects yt-dlp output template (filename pattern includes the ID).
Number tracks (<code>numbering_var</code>)	<code>numbering</code>	Adds/retains track numbers in filenames and playlist metadata.
Fallback numbering (<code>fallback_numbering_var</code>)	<code>fallback_numbering</code>	If missing, assigns sequential track numbers.
Sanitize filenames (<code>sanitize_names_var</code>)	<code>sanitize_filenames</code>	Post-process via <code>_sanitize_and_rename()</code> / <code>_sanitize_filename_component()</code> .
De-dupe Artist – Artist – Title (<code>dedup_artist_var</code>)	<code>dedup_artist</code>	Runs <code>_dedup_artist_in_filenames()</code> after outputs are created.
Embed metadata (ID3) (<code>embed_meta_var</code>)	<code>embed_metadata</code>	Writes tags via <code>write_id3_tags_mutagen(...)</code> .
Join all to one MP3 (<code>join_var</code>)	<code>join</code>	Safe join pipeline <code>join_via_wav_then_lame(...)</code> (WAV intermediate → MP3).
Write CUE for joined file (<code>write_cue_var</code>)	<code>write_cue</code>	Emits CUE via <code>write_cue_for_joined(...)</code> after a join.

UI control (Tk var / control)	ProcessingOptions field	Core behavior / function(s)
Embed chapters (ID3) (embed_chapters_var)	embed_chapters	Adds chapters via <code>embed_id3_chapters(...)</code> when available.
Make VLC segment playlist (vlc_segments_var)	vlc_segments	Writes a segment playlist via <code>write_vlc_segment_playlist(...)</code> .
Randomize join order (random_join_var)	random_join	Shuffles track list prior to join.
Keep temp WAVs (keep_temp_var)	keep_temp_wavs	Skips cleanup of WAV intermediates from join.
Sleep between items (sec) (sleep_between_var)	sleep_between	Inserts <code>time.sleep(...)</code> between per-item steps.
Verbose yt-dlp (verbose_ydl_var)	verbose_ydl	Adds <code>-v</code> to yt-dlp; more detailed logs via YDLLogger.
High-integrity mode (hi_integrity_var)	hi_integrity	Extra checks: <code>ffprobe</code> duration checks, <code>validate_sample_rates(...)</code> , stricter error handling.
Cookies file path (cookies_file_var)	cookies_file	If JSON → converts via <code>convert_cookie_editor_json_to_netscape(...)</code> then validates with <code>validate_netscape_cookiefile(...)</code> ; wired via <code>prepare_cookies(...)</code> .
Browser cookies (cookies_browser_var)	cookies_browser	<code>prepare_cookies(...)</code> locates/exports a Netscape cookies file from the selected browser profile.
Playlist format (dropdown playlist_format_var)	playlist_format	<code>write_playlist(...)</code> emits <code>m3u/m3u8/pls</code> .

Notes for contributors

- When adding a new UI option, extend `ProcessingOptions` and update this table.
- Keep UI defaults, `ProcessingOptions` defaults, and help text in sync with `HELP.md`, `lang/en.json`, and `lang/fr.json`.
- The worker entry point is `run_processing_task(options, log_queue, progress_queue, cancel_event)`.