Quick Reference - New Features

🎯 What's New?
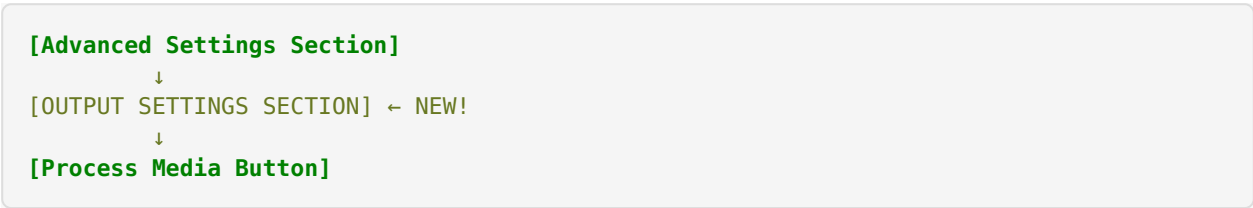
Two powerful new options have been added to the Human Blur Tool GUI:

Feature	Type	Default	Purpose
Audio Handling	Checkbox	☑ Checked	Choose to keep or remove audio from videos
Filename Suffix	Text Field	`-background`	Customize the suffix added to output files

🖥️ Where to Find Them?

Look for the new **"Output Settings"** section in the GUI, located between:
- **Above:** Advanced Settings
- **Below:** Process Media button

```
[Advanced Settings Section]
          ↓
[OUTPUT SETTINGS SECTION] ← NEW!
          ↓
[Process Media Button]
```

📝 Filename Suffix - Quick Guide

What It Does

Lets you customize the suffix added to processed files.

Examples

Original File	Suffix	Output File
photo.jpg	`-background`	photo-background.jpg
photo.jpg	`-blurred`	photo-blurred.jpg
video.mp4	`-privacy`	video-privacy.mp4
image.png	`-censored`	image-censored.png

Common Use Cases

- `-privacy` - For privacy-focused processing
- `-blurred` - When using blur mode
- `-anonymous` - For anonymization
- `-processed` - Generic processing marker
- `-[date]` - Date-stamped processing (e.g., `-20251119`)

📢 Audio Handling - Quick Guide

What It Does

Controls whether audio is kept or removed from processed videos.

Options

Checkbox State	Result	Use When
☑ **Checked**	Audio kept	You want to preserve narration/sounds
☐ **Unchecked**	Audio removed	You want silent videos for privacy

Requirements

- **Needs:** ffmpeg installed on your system
- **Affects:** Video files only (.mp4, .mov)
- **Doesn't affect:** Image files

Examples

Keep Audio:

```
Input:  presentation.mp4 (with narration)
Output: presentation-background.mp4 (narration preserved)
```

Remove Audio:

```
Input:  meeting.mp4 (with conversations)
Output: meeting-background.mp4 (silent video)
```

🚀 Quick Start Examples

Example 1: Basic Usage (Default)

```
1. Open GUI
2. Select file: photo.jpg
3. Click "Process Media"
Result: photo-background.jpg
```

Example 2: Custom Suffix

```
1. Open GUI
2. Select file: photo.jpg
3. Change suffix to: -privacy
4. Click "Process Media"
Result: photo-privacy.jpg
```

Example 3: Remove Audio

```
1. Open GUI
2. Select file: video.mp4
3. Uncheck "Keep audio"
4. Click "Process Media"
Result: video-background.mp4 (no audio)
```

Example 4: Custom Suffix + No Audio

```
1. Open GUI
2. Select file: video.mp4
3. Change suffix to: -anonymous
4. Uncheck "Keep audio"
5. Click "Process Media"
Result: video-anonymous.mp4 (no audio)
```

📊 Feature Comparison

Before This Update

```
✗ Audio always kept (if present)
✗ Filename always used "-background" suffix
✗ No customization options
```

After This Update

```
✓ Choose to keep or remove audio
✓ Customize filename suffix
✓ Full control over outputs
✓ Works in batch mode
```

🎯 Common Scenarios

Scenario 1: Social Media Content

Goal: Privacy-friendly videos with custom branding

Settings:
- Suffix: `-social`
- Audio: Keep ☑
- Mask: Blur

Output: `video-social.mp4` (blurred faces, audio kept)

Scenario 2: Documentation

Goal: Anonymized photos for documentation

Settings:
- Suffix: `-docs`
- Mask: Black

Output: `photo-docs.jpg` (black silhouettes)

Scenario 3: Surveillance Footage

Goal: Anonymous, silent videos

Settings:
- Suffix: `-surveillance`
- Audio: Remove ☐
- Mask: Blur

Output: `footage-surveillance.mp4` (blurred, no audio)

Scenario 4: Training Materials

Goal: Anonymized with narration kept

Settings:
- Suffix: `-training`
- Audio: Keep ☑
- Mask: Black

Output: `training-training.mp4` (anonymized, audio kept)

⚙️ **Technical Details**

File Processing

- **Applies to:** Both single files and batch folders
- **Works with:** All supported image and video formats
- **Processing order:** Detect → Blur/Mask → Save with custom name

Audio Processing (Videos Only)

1. Check ffmpeg availability
2. Extract audio if "Keep audio" is checked
3. Process video frames
4. Merge audio back (if extracted)
5. Save final video

Filename Generation

```
Original: filename.ext
Pattern: filename[suffix].ext
Example: photo-privacy.jpg
```

💡 **Pro Tips**

Tip 1: Batch Processing

Use descriptive suffixes when processing folders:

```
-batch1, -batch2, etc. for multiple batches
-[project-name] for project-specific processing
```

Tip 2: Audio File Size

Removing audio can reduce file size by 10-30%:

```
With audio: 100MB
Without audio: 70-90MB
```

Tip 3: Suffix Organization

Use consistent naming for easy sorting:

```
Good: -privacy, -public, -internal
Better: -priv, -pub, -int (shorter)
```

Tip 4: Test First

Always test with a single file before batch processing:

```
1. Process one file
2. Check output quality
3. Verify suffix and audio
4. Then process batch
```

❓ FAQ

Q: Does the suffix need to start with a dash?

A: No, but it's recommended for clarity. You can use: `-suffix` , `_suffix` , or just `suffix`

Q: What happens if I leave the suffix field empty?

A: The file will have no suffix (may overwrite original if same directory)

Q: Can I use special characters in the suffix?

A: Yes, but avoid characters invalid in filenames (/, \, :, *, ?, ", <, >, |)

Q: Will the audio checkbox affect image files?

A: No, it only affects video files. Images don't have audio.

Q: What if ffmpeg is not installed?

A: Audio cannot be preserved. Install ffmpeg or uncheck the audio option.

Q: Are my settings saved when I close the GUI?

A: Settings are remembered during the session but reset when you close the GUI.

Q: Can I process files with different suffixes in one batch?

A: No, all files in a batch use the same suffix. Process in separate batches for different suffixes.

Q: What's the maximum suffix length?

A: No hard limit, but keep it under 50 characters for compatibility.

🔧 Troubleshooting

Problem: Audio checkbox is grayed out

Solution: Install ffmpeg on your system

Problem: Custom suffix not appearing

Solution: Check that you entered text in the suffix field

Problem: Output file overwrites original

Solution: Use a suffix (at least "-" or "_")

Problem: Audio not removed even though unchecked

Solution: Verify ffmpeg is installed and working

Problem: Can't find Output Settings section

Solution: Update to latest version of the tool

📱 Contact & Support

Email: apps@globalemancipation.ngo

Documentation:
- NEW_FEATURES.md - Full feature documentation
- USAGE_EXAMPLES.md - Detailed examples
- GUI_LAYOUT_PREVIEW.md - Visual guide

✅ Checklist - Before You Start

- [ ] Dependencies installed (`pip install -r requirements.txt`)
- [ ] ffmpeg installed (for audio handling)
- [ ] Test file ready for processing
- [ ] Output suffix decided
- [ ] Audio preference determined

🎉 You're Ready!

Launch the GUI and start using your new features:

```
python gui_enhanced.py
```

Enjoy greater control over your output files! 🚀

Version: 3.0 Enhanced
Date: November 19, 2025
Status: Ready for Use ✅