## mh\_Screen\_Capture - Screen Capture with VB-Cable Support User Manual By Martin P. Heigan (2025) Overview

mh\_screen\_capture.exe is a standalone screen recorder compiled using PyInstaller. It features a splash screen, centered GUI, and user-friendly layout for recording both screen and system audio. Recordings are saved in MKV format with support for resolution, frame rate, and bitrate customization.

## Requirements

• Windows 10 or later  
• FFmpeg installed and accessible in the system PATH  
• Optional: VB-Audio Virtual Cable for capturing desktop audio

## Launching the Application

Double-click the executable mh\_screen\_capture.exe. A centered splash screen will appear briefly, followed by the main GUI window.

## Using the Application

1. Select the output directory where you want your recordings saved.  
2. Enter a base name for your file (e.g., tutorial).  
3. Choose a frame rate (e.g., 30 FPS).  
4. Set the desired resolution or enter a custom one.  
5. Choose the video bitrate (higher means better quality).  
6. Select the audio input device (e.g., VB-Cable or microphone).  
7. Press 'Start Recording' to begin.  
8. Press 'Stop Recording' to finish. Files are saved with versioning (e.g., tutorial.mkv, tutorial\_v1.mkv).

## Recording System Audio with VB-Cable

To record desktop/system audio:  
• Set VB-Cable Input as your system's default audio output in Sound Settings.  
• Go to Recording Devices, enable 'CABLE Output', and under 'Listen' tab, check 'Listen to this device'.  
• Choose your real playback device (speakers/headphones) for monitoring.

## Troubleshooting

• GUI doesn't appear: Check if it's behind other windows or being blocked by antivirus.  
• No audio recorded: Ensure VB-Cable is installed, selected, and correctly routed.  
• Output file doesn't play: Use MKV-compatible players like VLC.  
• Audio device missing: Open Sound Settings and make sure it's enabled and connected.  
• Output file is overwritten: Filenames are auto-versioned if duplicates exist.

## Notes

• This app uses FFmpeg and supports only MKV format for highest compatibility.  
• Splash screen is styled to match dark interfaces with smooth fade and center alignment.  
• Files are saved with automatic version suffixes to prevent loss of existing recordings.  
• The GUI fits all content with optimized layout and labeled frame for clarity.