



ClonerAlliance Screen-Cloner Dongle User Manual



ClonerAlliance Screen-Cloner Dongle User Manual

This documentation describes how to use ClonerAlliance Screen-Cloner Dongle (Model: CA-1280SC) device.

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Trademarks

ClonerAlliance is a registered trademark of ClonerAlliance Inc.

Safety Notices

Before using ClonerAlliance Screen-Cloner Dongle, please ensure that you read and understand the safety precautions below:

1. Do not attempt to open the case of ClonerAlliance Screen-Cloner Dongle or modify it in any way, as this will void the warranty.
2. Keep ClonerAlliance Screen-Cloner Dongle away from water and other liquids, as this may cause the unit to malfunction.
3. ClonerAlliance Screen-Cloner Dongle may become warm during use. This does not indicate malfunction.
4. Do not place heavy objects on ClonerAlliance Screen-Cloner Dongle, as this may cause the unit to overheat and malfunction.
5. If the exterior of ClonerAlliance Screen-Cloner Dongle requires cleaning, wipe it with a soft dry cloth.
6. Do not dispose of the unit via conventional domestic waste.



HDCP

A large red prohibition sign (a circle with a diagonal cross) is overlaid on the right side of the "HDCP" text, indicating that HDCP is not supported or is prohibited.

Warning:

All ClonerAlliance products do NOT support to display or capture HDCP protected content.

According to the DMCA (Digital Millennium Copyright Act, 17 U.S.C. § 1201), it is illegal to bypass the HDCP protection by using HDMI capture devices.

If you violate the above laws, you may face a lawsuit.

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1.1 Product Overview

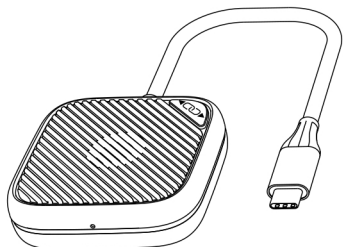
The ClonerAlliance Screen-Cloner Dongle (Model: CA-1280SC) is a hardware screen recording tool designed for personal computers. It ensures long-term, stable recording of the entire desktop with 1080p@60fps quality. The dongle can record any content displayed on the desktop, including system internal audio, with seamless audio-video synchronization.

Key Features:

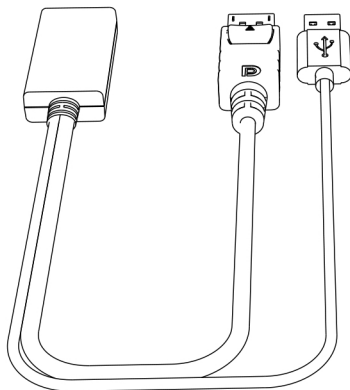
- Records laptop and desktop screen content.
- Supports recording of any video content, including games, online meetings, and online courses.
- Hardware encoding with minimal system resource usage.
- Simple operation with one-click recording and stopping.
- Compatible with Windows and Mac OS.
- High-quality 1080p@60fps recording.
- Includes recording of all sound sources, including system internal audio and microphone.
- Compact and portable design.
- Supports scheduled recording (with Screen-Cloner Application).

1.2 Package Contents

The ClonerAlliance Screen-Cloner Dongle package includes:



a.



b.

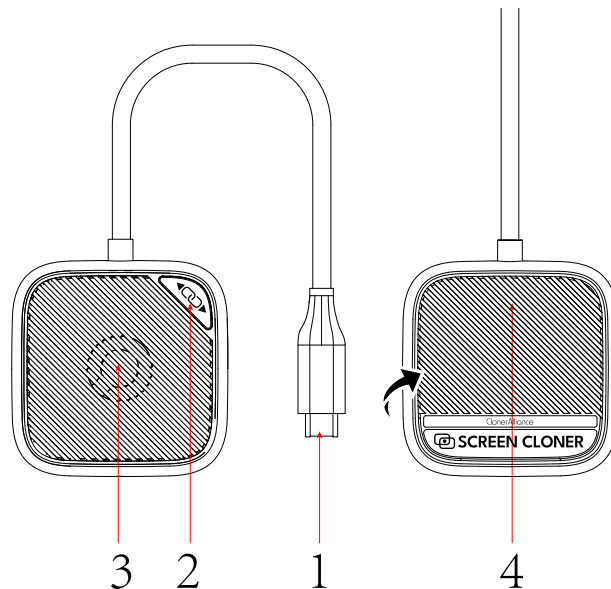


c.

- a. Screen-Cloner Dongle
- b. Type-C (female) to USB-A + DP adapter

- c. User Manual

1.3 Product Diagram



- 1. Type-C plug: Connect to the type-c port with Thunderbolt.
- 2. LED indicator: When it lights up, it indicates the connection is successful.
- 3. Front heat dissipation holes: Do not cover this when the device is working.
- 4. Back heat dissipation holes: Do not cover this when the device is working.

2.1 Hardware Setup

- Connecting via Type-C Port (Thunderbolt Supported)
 1. Connect the ClonerAlliance Screen-Cloner Dongle to a Type-C port on your computer.
 2. Ensure the Type-C port supports Thunderbolt.

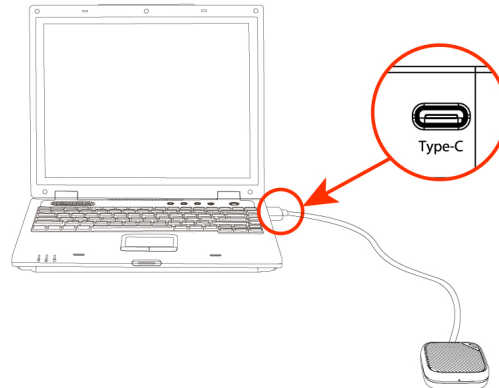
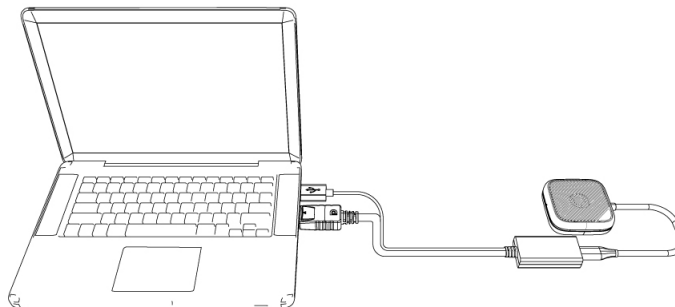


Fig. 1: Connecting via Type-C Port

If your computer' s Type-C port does not support Thunderbolt, use the provided USB-A + DP Adapter included in the package.

- Connecting via USB-A + DP Adapter



1. Connect the Type-C (female) end of the adapter to the ClonerAlliance Screen-Cloner Dongle.

2. Connect the USB-A and DP ends of the adapter to the respective ports on your computer.

2.2 Software Installation

- Installing on Windows

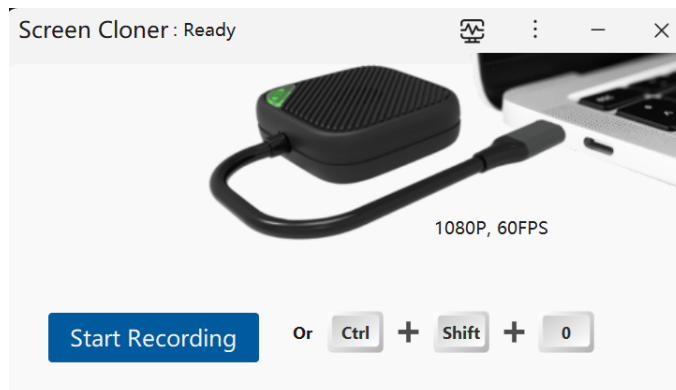
1. Insert the Screen-Cloner Dongle into your computer.
2. A new external drive will appear. Open this drive.
3. Double-click on the *Screen-Cloner Application* setup file to start the installation.
4. Follow the on-screen instructions to complete the installation.
5. Launch the Screen-Cloner Application from the desktop or start menu.

- Installing on Mac OS

1. Insert the Screen-Cloner Dongle into your computer.
2. A new external drive will appear. Open this drive.
3. Double-click on the .webloc file to download Screen-Cloner Application from website.
4. After the download is completed, double-click the Screen-Cloner Application to launch it.
5. Follow any additional on-screen instructions to complete the setup.

2.3 Open the Application

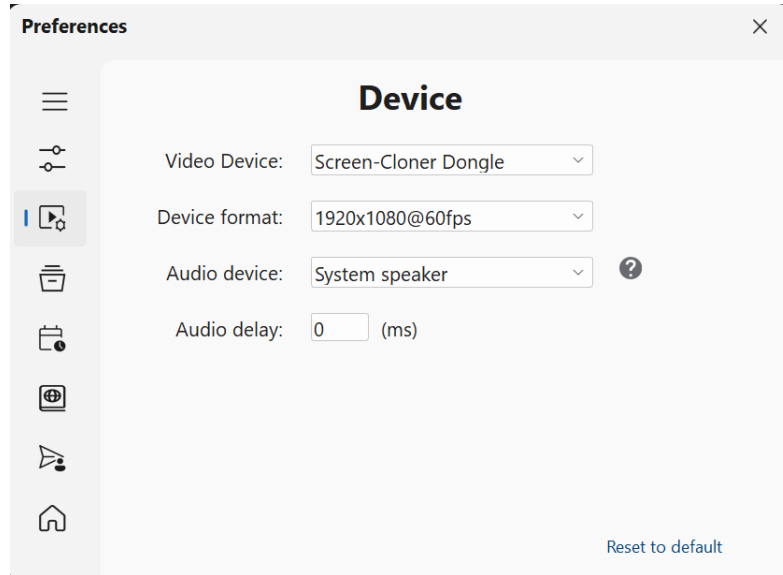
Launch the Screen-Cloner Application from your desktop or start menu.



2.4 Configure Settings

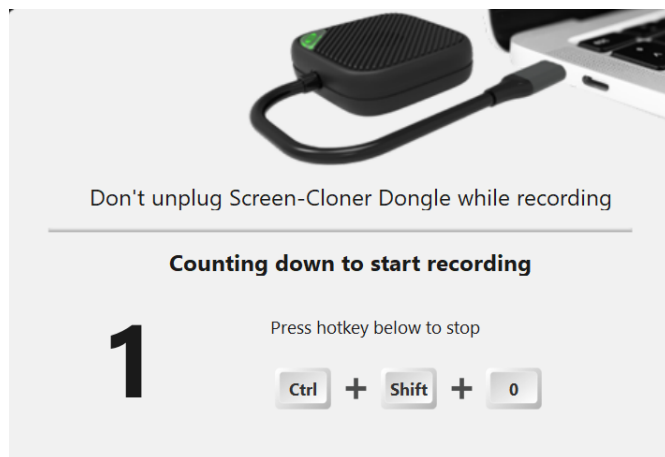
- Go to the “Preferences” .
- Select the desired video resolution (default is 1080p).
- Choose the audio source (System Internal Audio, Microphone, or Mixed).

- Set any additional preferences (e.g., file size limit, scheduled recording).



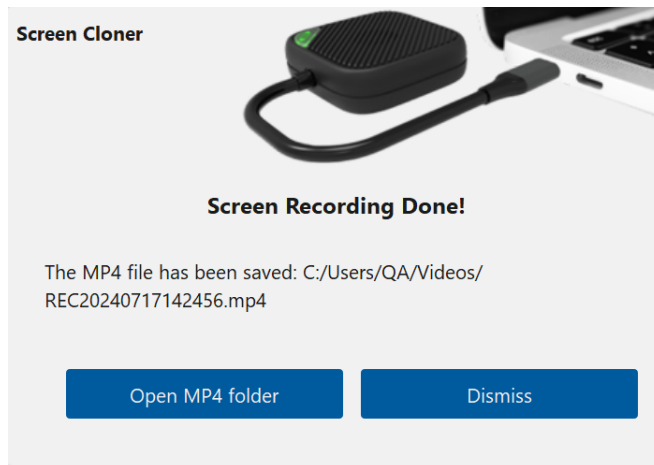
2.5 Start Recording

- Click the “Start Recording” button or use the shortcut key (*Ctrl + Shift + 0*) to begin recording your screen.
- The application will capture everything displayed on your desktop along with the selected audio sources.



2.6 Stop Recording

- Click the “Stop Recording” button or use the shortcut key (*Ctrl + Shift + 0*) to end the recording.
- The recorded file will be saved automatically in the designated folder.



2.7 Review and Edit

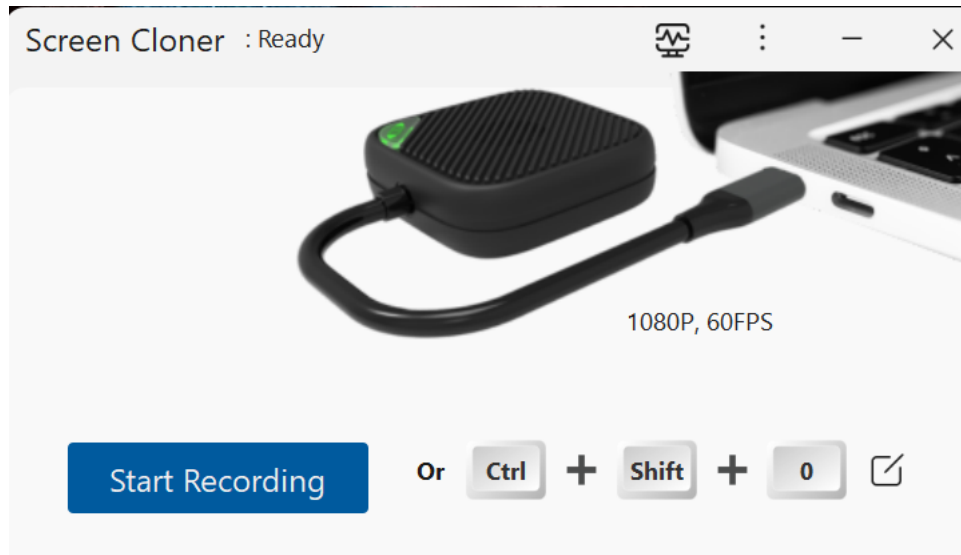
- Open the saved recording from the designated folder.
- Use the included MP4-Cloner software to edit and burn the recorded files if needed.

3.1 Screen Recording

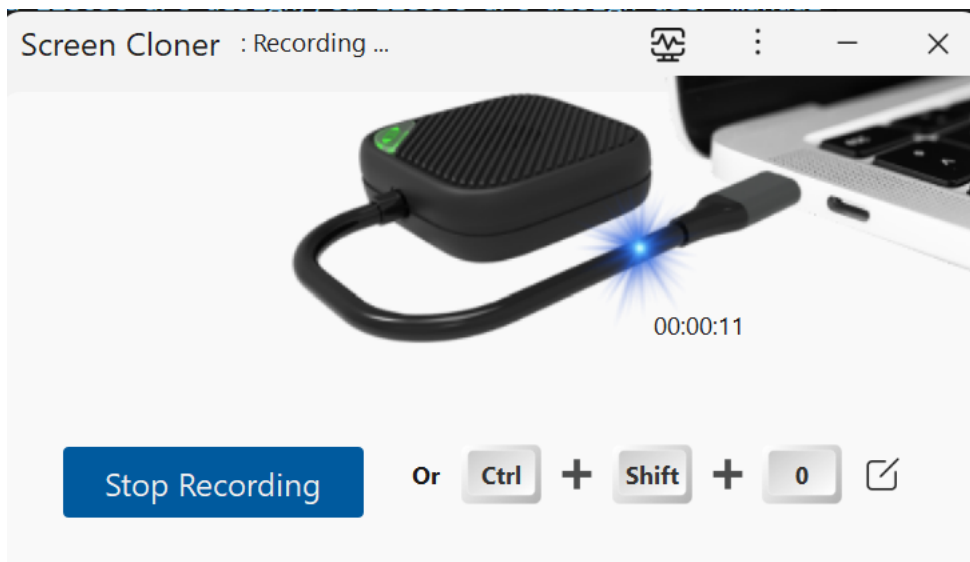
- Recording Desktop Video, Games, Online Meetings, and Courses

Windows OS

1. Open ClonerAlliance Screen-Cloner Application.
2. Click the “Start Recording” button or use the designated hotkey to start recording.

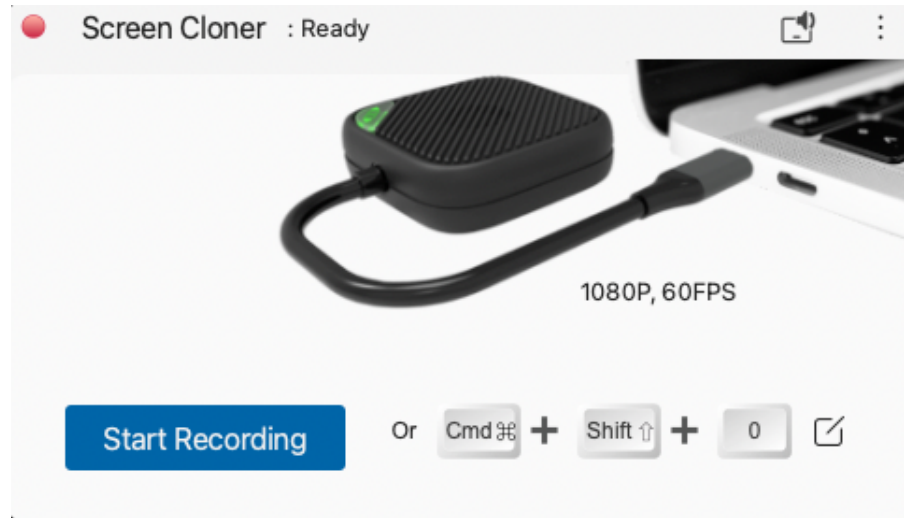


3. Click the “Stop Recording” button or use the designated hotkey to stop recording.

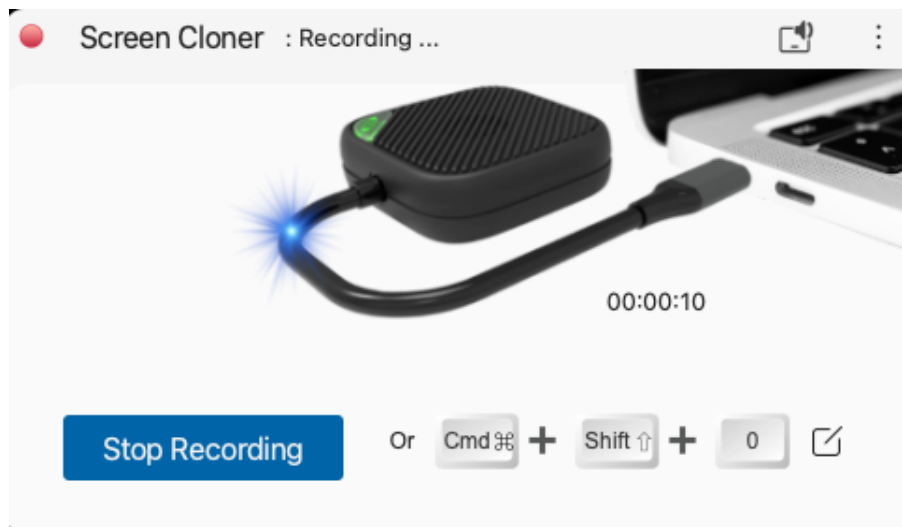


Mac OS

1. Open ClonerAlliance Screen-Cloner Application.
2. Click the “Start Recording” button or use the designated hotkey to start recording.



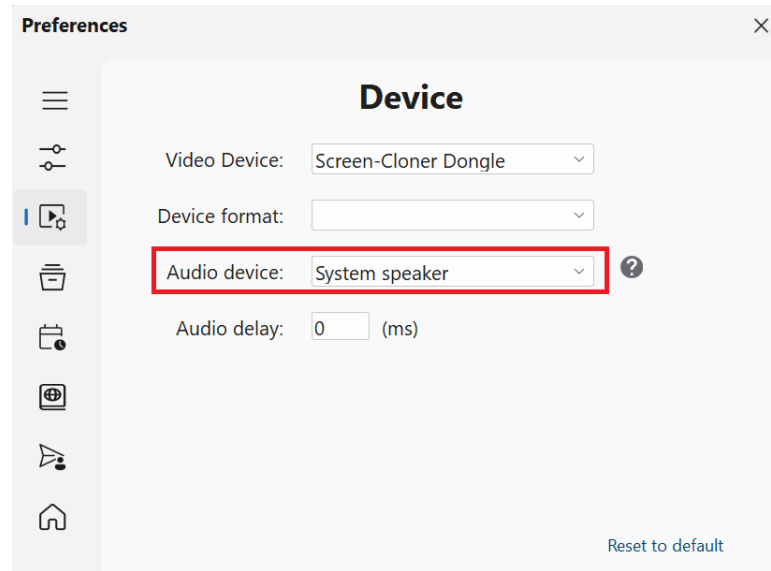
3. Click the “Stop Recording” button or use the designated hotkey to stop recording.



3.2 Audio Recording

Windows OS

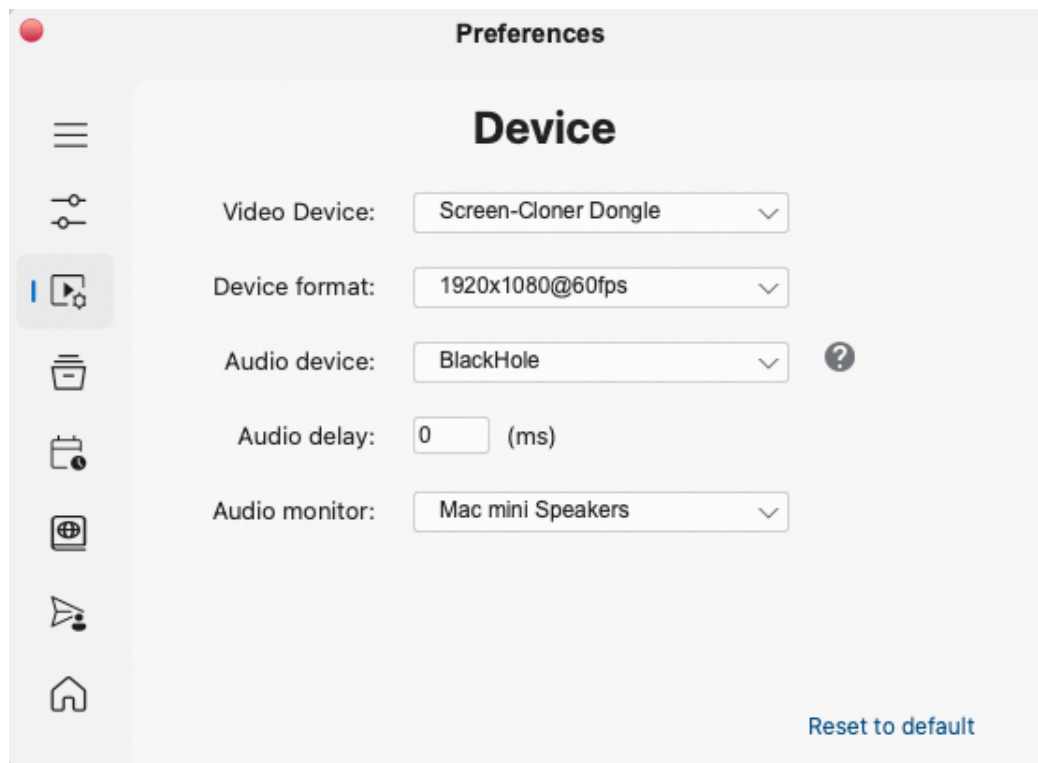
1. Open ClonerAlliance Screen-Cloner Application.
2. Go to Preferences->Device Settings->Audio device options
3. Select the desired audio input (system audio, microphone, or audio input device).



Mac OS

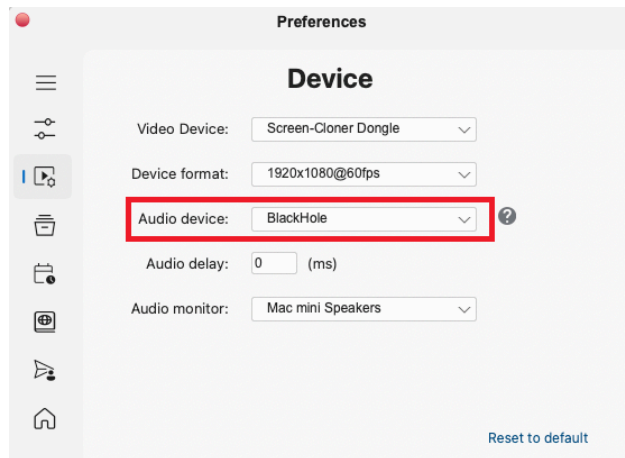
In the Mac system, it is not possible to directly record system sound and virtual sound devices need to be installed to achieve system sound recording.

1. When starting the software for the first time, it will prompt you to install a third-party virtual sound device.
2. After the software starts, it will adjust the system's default sound output device.
3. In the software, it is necessary to ensure that sound monitoring has been turned on, otherwise no sound can be heard.
4. In the software, it is necessary to ensure that the device for recording audio has selected a virtual audio device.



3.3 Using the Virtual Sound Card

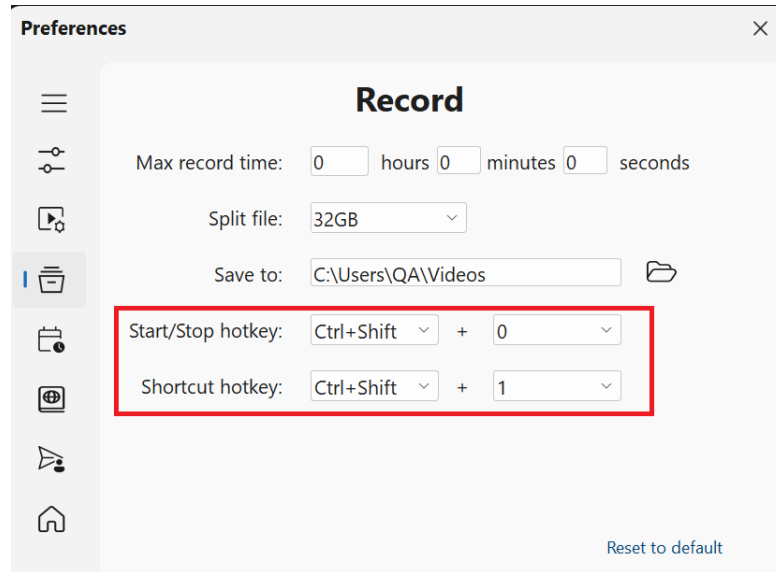
- The Screen-Cloner Application supports recording via a virtual sound card.
- Set up the virtual sound card and configure it as the audio source in the application settings.



4.1 Using Shortcut Keys

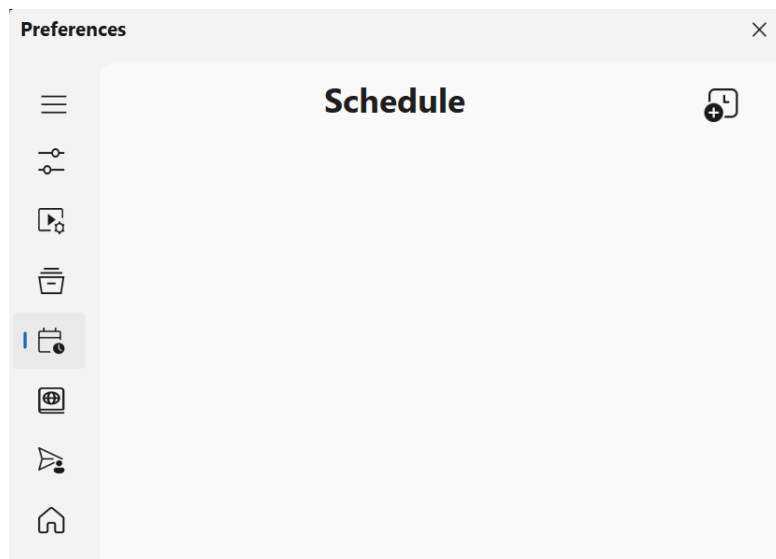
- To start recording: Press *Ctrl + Shift + 0*
- To stop recording: Press *Ctrl + Shift + 0*

You can customize these shortcut keys in the Screen-Cloner Application settings.

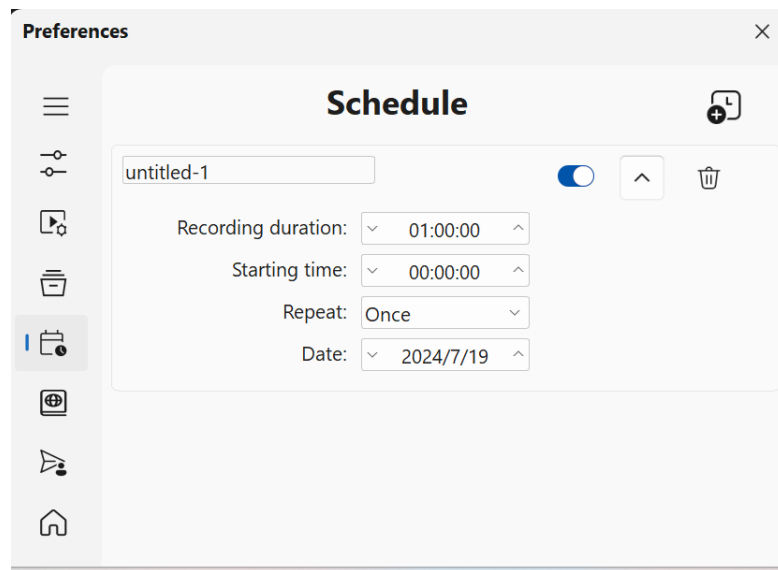


4.2 Scheduled Recording Setup

1. Open the Screen-Cloner Application.
2. Go to the Preferences->Schedule.



3. Set the start and stop time for the recording.



4. It will active scheduled recording task when exit the schedule setup menu.

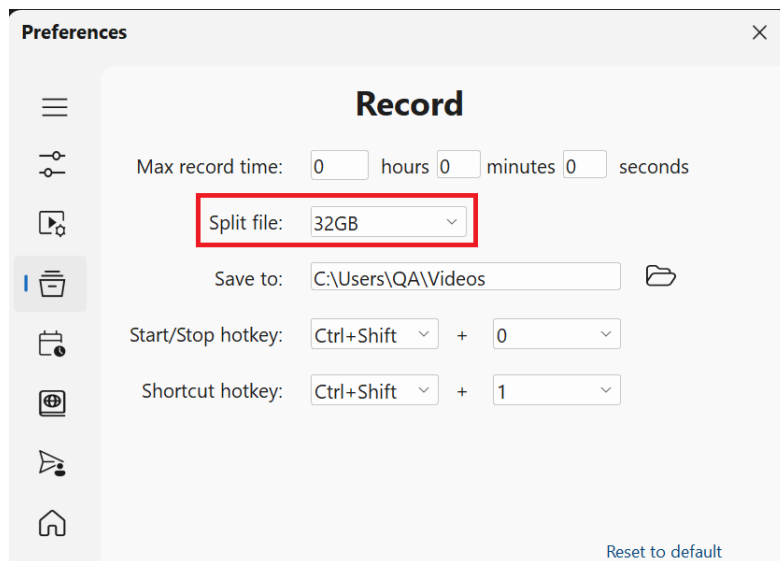
4.3 Multi-Monitor Recording

When there are multiple monitors connected to your computer.

1. Go to Windows “System settings->Displays” , choose the monitor you want to record and set it clone with Screen-Cloner .
2. Start recording.

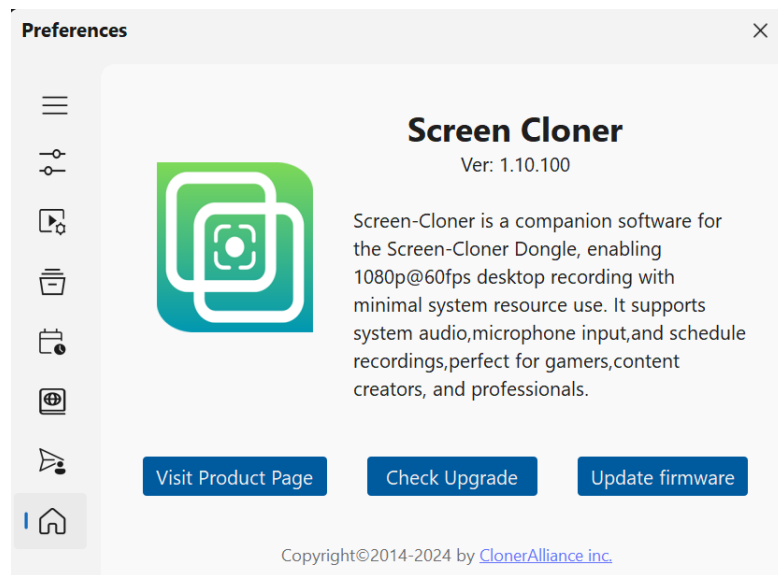
4.4 Customizing Recording File Size

1. Open the Screen-Cloner Application.
2. Go to “Preferences” and select “Record” .
3. Adjust the file size limit for each recording.



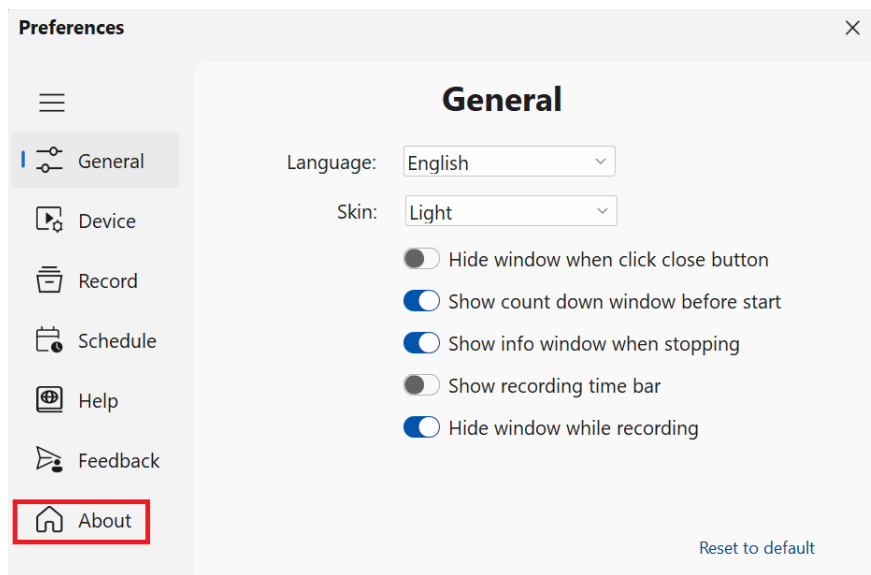
4.5 Software Updates and Registration

- The Screen-Cloner Application checks for updates each time it starts.
- Users are prompted to download and install new versions manually.
- No registration is required when using the Screen-Cloner Dongle with the application.

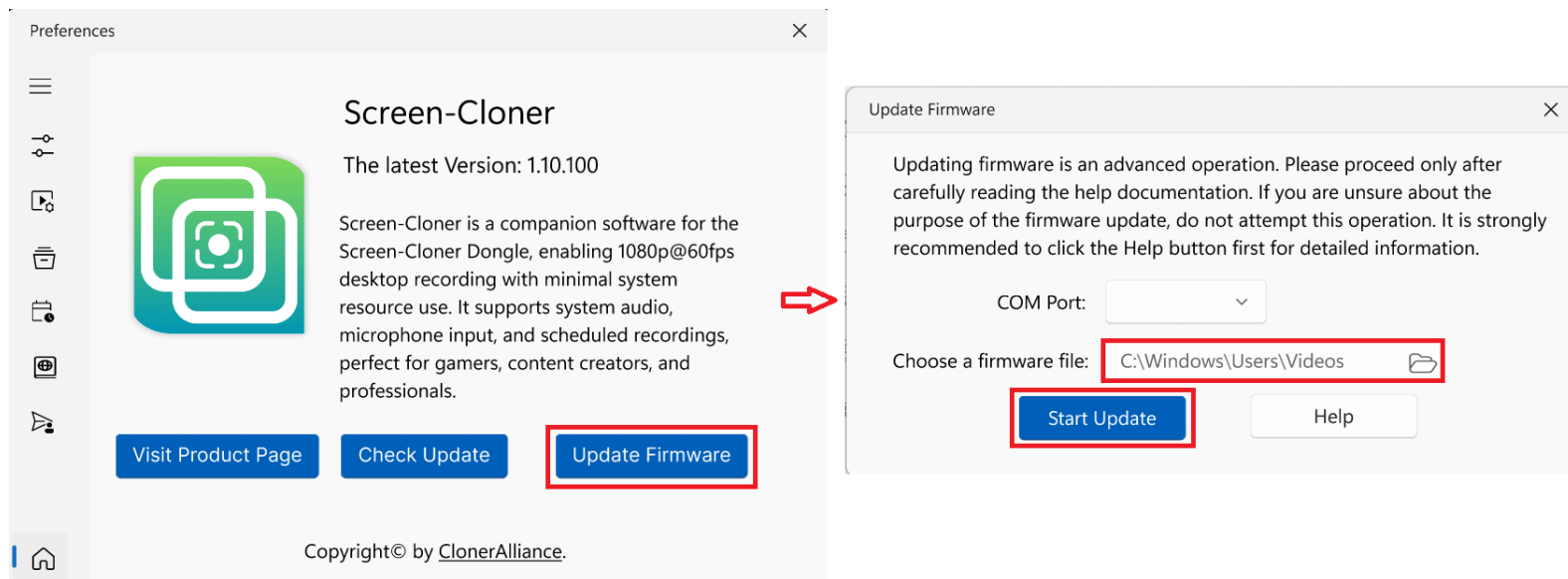


4.6 Firmware Updates

1. Open the Screen-Cloner Application.
2. Go to Preferences->About.



3. Click “Update Firmware”, choose the firmware file and start to update.



4. Once the firmware update is complete, reinsert the Screen-Cloner Dongle.

5.1 Minimum System Requirements

- OS: Windows 7 or later, Mac OS 10.15 or later
- CPU: Intel i3 or higher
- Memory: 4GB RAM or higher
- Hard Disk: 512MB free hard disk space for installation
- Ports: USB-C with Thunderbolt, or USB-A 2.0 + DP
- Software: Screen-Cloner Application (<https://www.cloner-alliance.com/screen-cloner/>)

5.2 Supported Operating Systems and Ports

Supported Operating Systems: - Windows 7, 8, 10, and 11 (64-bit and 32-bit) - Mac OS 10.15 or later

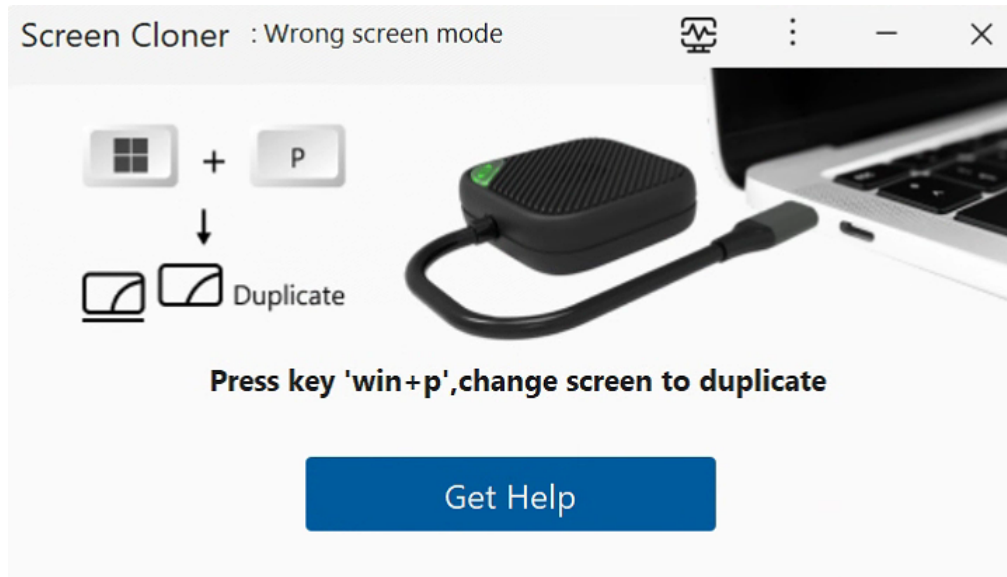
Supported Ports: - USB-C with Thunderbolt (3 or 4) - USB-A 2.0 + DP (with included adapter)

FREQUENTLY ASKED QUESTIONS (FAQ)

6.1 Windows OS Troubleshooting

“Please set display mode to Duplicate” Message

If you see this message, set the display mode to “Duplicate” :

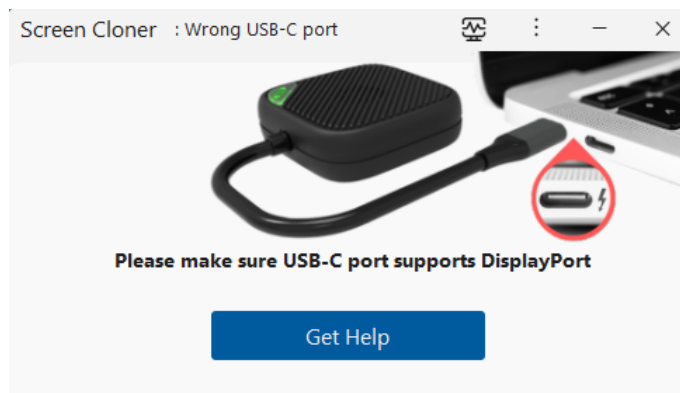


1. Press *Windows + P*.

2. Select “Duplicate” from the display menu.

“Check if the USB-C port supports Thunderbolt with Displayport Alt mode” Message

If you see this message, check if the USB-C port supports Thunderbolt with DisplayPort Alt mode:

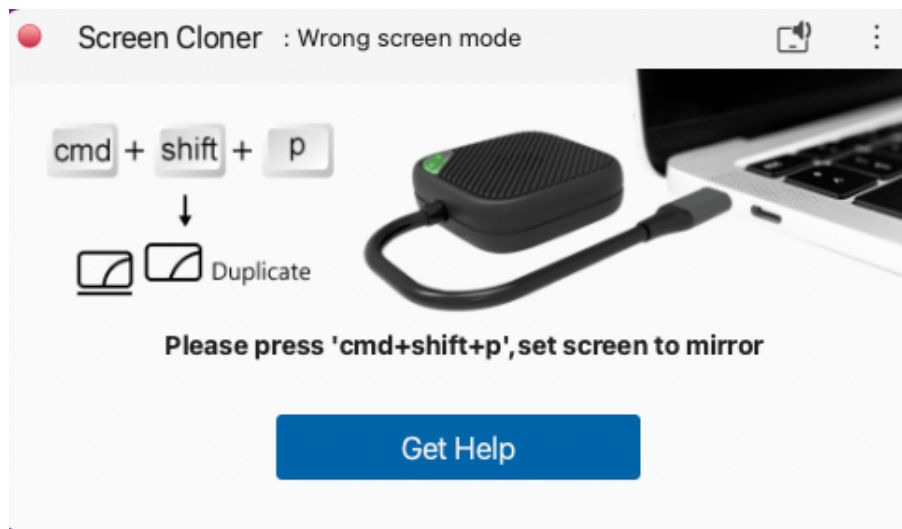


1. Ensure the USB-C port is Thunderbolt capable.
2. If not, use the provided USB-A + DP adapter.

6.2 Mac OS Troubleshooting

“Use Screen-Cloner as a Mirror display” Message

If you see this message, set Screen-Cloner as a mirror display:

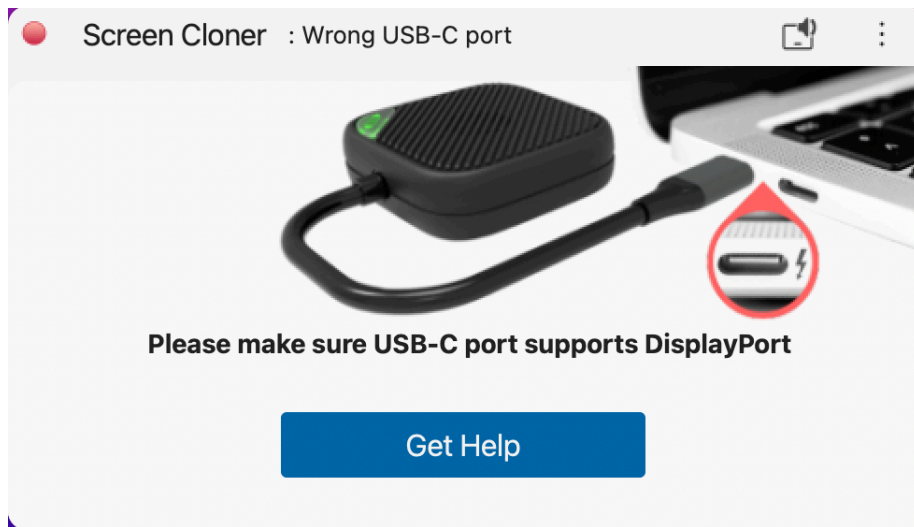


1. Press *Command + Shift + P*.
2. Alternatively, go to Apple menu > Preferences > Displays.

3. Select “Screen-Cloner” and use as “Mirror for …” .
Use Screen-Cloner as a Mirror Display

“Please check the USB-C port” Message

If you see this message, check if the USB-C port supports Thunderbolt 3 or 4:



1. Use a Thunderbolt 3 or 4 (USB-C) port.
2. Ensure the port is functioning correctly.

6.3 Common Device Errors

- Reconnect the USB dongle if you encounter “Device Error” messages.
- Ensure all connections are secure and the ports are functioning.
- Update the Screen-Cloner Application to the latest version.

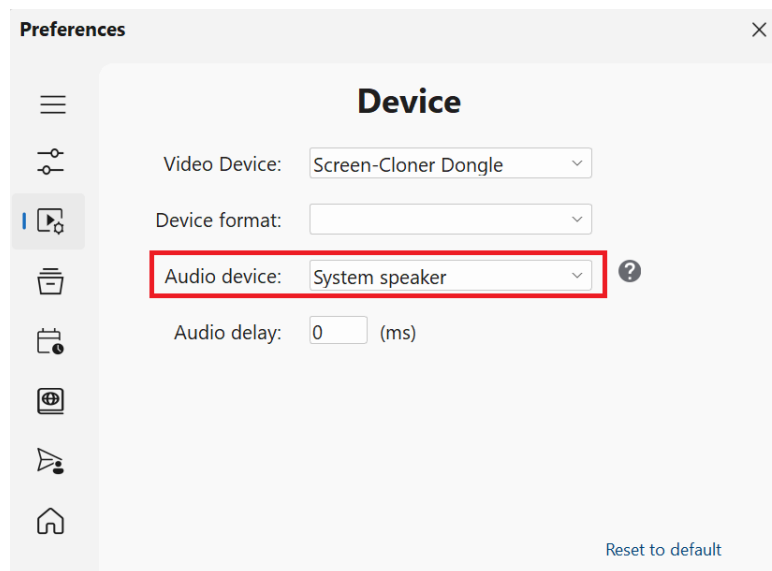
6.4 Mobile Device Screen Recording Support

Currently, the ClonerAlliance Screen-Cloner Dongle does not support mobile device screen recording. Mobile application development is in progress.

6.5 Setting Up Audio Source Recording

- Windows OS
 1. Open ClonerAlliance Screen-Cloner Application.
 2. Go to Preferences->Device Settings->Audio device options

3. Select the desired audio input (system audio, microphone, or audio input device).

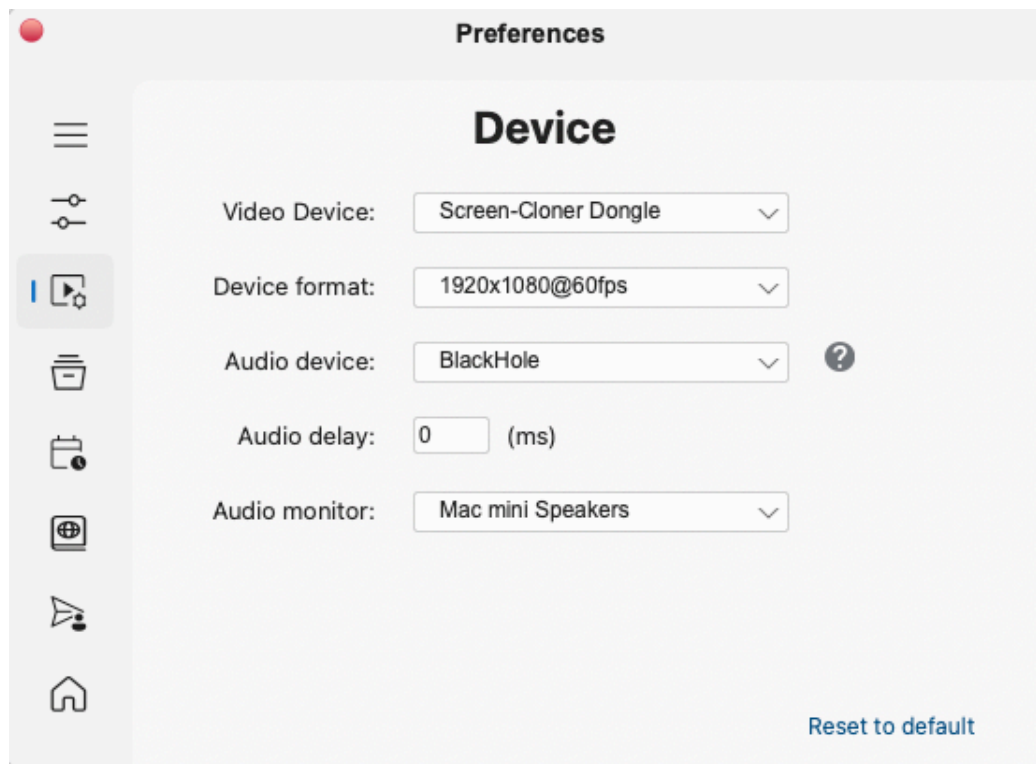


- Mac OS

In the Mac system, it is not possible to directly record system sound and virtual sound devices need to be installed to achieve system sound recording.

1. When starting the software for the first time, it will prompt you to install a third-party virtual sound device.

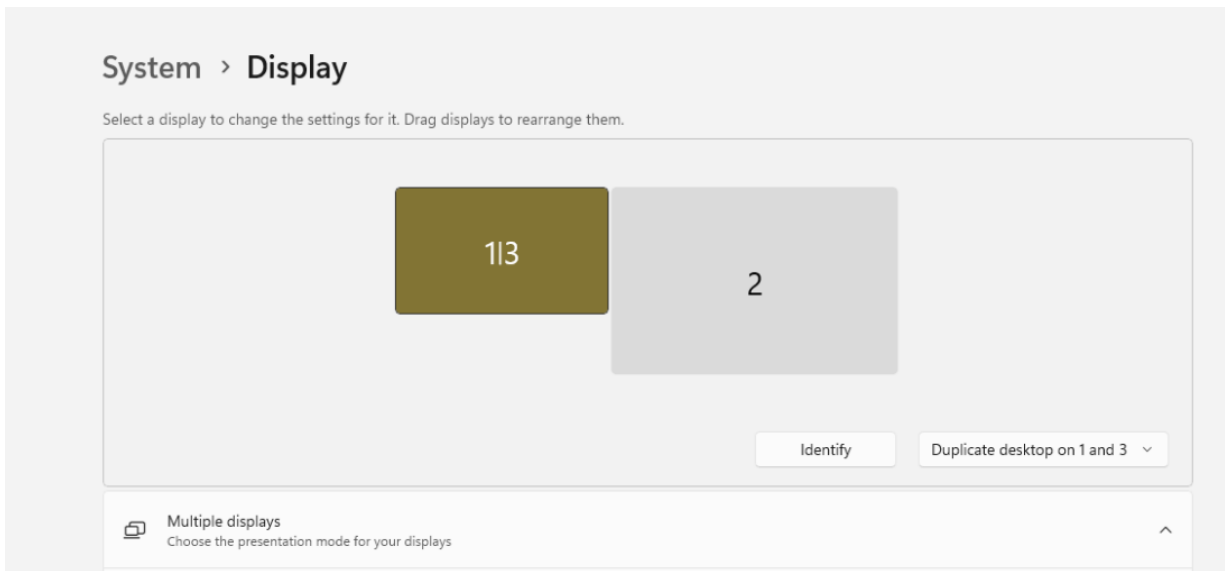
2. After the software starts, it will adjust the system's default sound output device.
3. In the software, it is necessary to ensure that sound monitoring has been turned on, otherwise no sound can be heard.
4. In the software, it is necessary to ensure that the device for recording audio has selected a virtual audio device.



7.1 Configuring Multi-Monitor Environments

1. Connect all monitors to the computer.
2. Connect the Screen-Cloner Dongle device to the computer.
3. Go to the system display settings and set the monitor you want to record and the Screen-Cloner Dongle as duplicate mode. Other displays can be set as duplicate mode or extended mode.
4. Start Screen-Cloner Application to start recording.

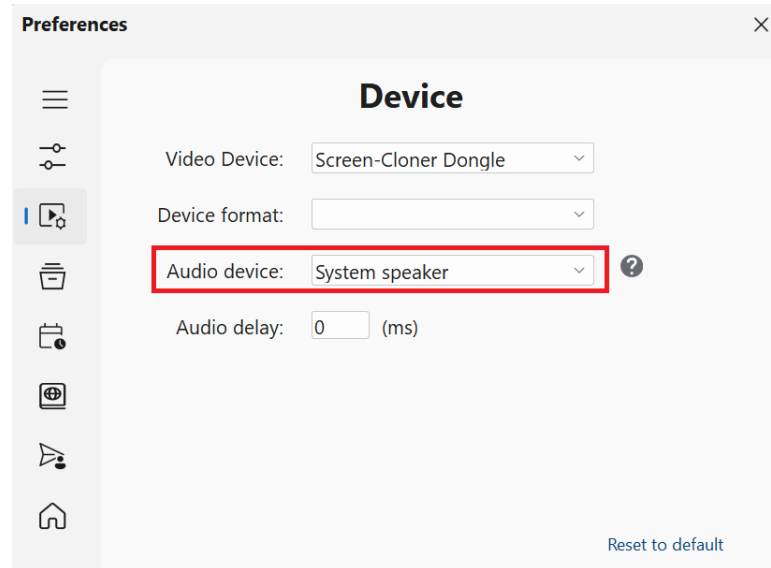
NOTE: In MAC os, you can go to System Preferences->Displays to set the display to be recorded as the main display, and set the Screen-Cloner display to mirror mode.



7.2 Selecting and Mixing Audio Sources

- Windows OS
1. Open ClonerAlliance Screen-Cloner Application.
 2. Go to Preferences->Device Settings->Audio device options

3. Select the desired audio input (system audio, microphone, or audio input device).

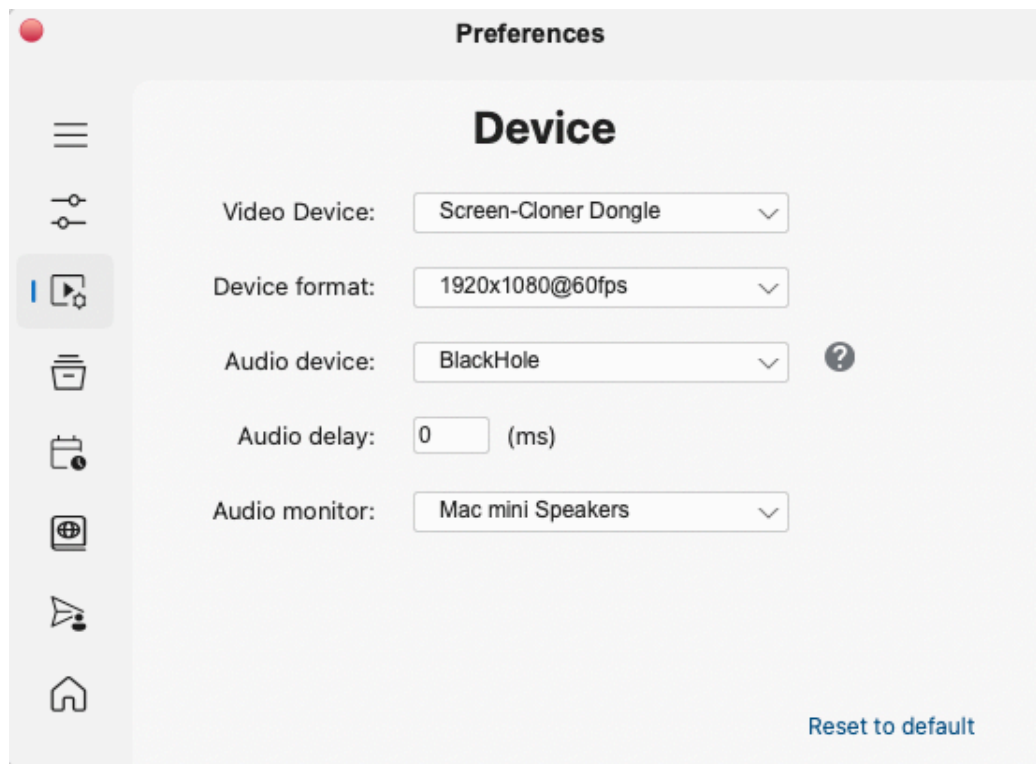


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8.1 Specifications

- **Model:** CA-1280SC
- **Dimensions:** 90mm x 30mm x 10mm
- **Weight:** 50g
- **Interface:** - Type-C (Thunderbolt 3/4 supported) - USB-A 2.0 + DP (via included adapter)
- **Power Supply:** USB-powered
- **Video Resolution:** 1080p (1920x1080)
- **Frame Rate:** 60fps
- **Video Format:** MP4 (H.264 codec)
- **Audio Format:** AAC, 48kHz, 128kbps
- **Audio Sources:** System internal audio, microphone, mixed
- **Certifications:** CE, FCC, RoHS

AFTER SALES WARRANTY

ClonerAlliance Inc. provides 90-Day No Hassle Return(No Additional Fee) and 2-Year Replacement Warranty Service for all hardware. Please rest assured to use ClonerAlliance products.

CONTACT US

If you encounter any problem when using our products, please contact us by support@cloner-alliance.com or call 1-844-9-CLONER (toll-free) and we will serve you with utmost satisfaction.

We'll offer a satisfying discount on batch purchase and affiliate program. If you are interested, please contact us by marketing@cloner-alliance.com.

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