

PIERO Mac® Installation and System Requirements

This document provides the system requirements, installation procedures, and configuration instructions for installing and running PIERO on a Macintosh® computer.

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System Requirements

For details about supported Mac models, memory, storage, and other system specifications required to run PIERO, refer to the *PIERO Hardware Requirements* document. Ensure your system meets the minimum specifications listed in that document before proceeding with installation.

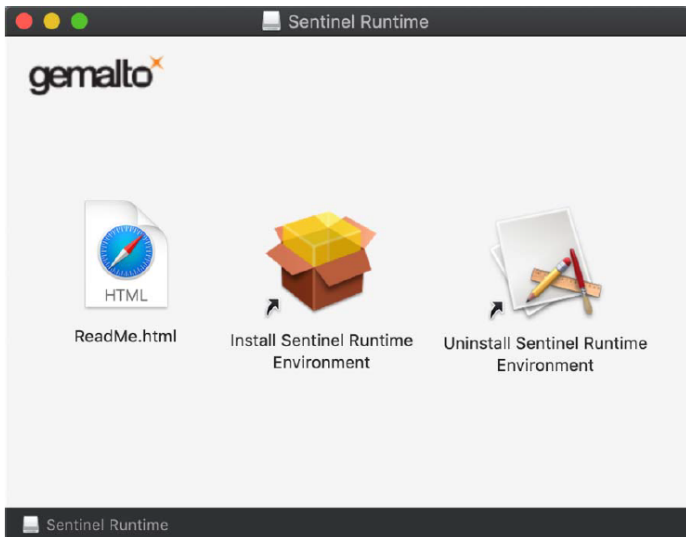
Before Installing PIERO

Complete the following tasks before installing PIERO:

- Download the latest PIERO for Mac release.
- Install the Sentinel HASP Runtime Environment to support the USB license key.

To install the Sentinel HASP Runtime Environment:

1. Open the downloaded DMG file.
2. In the **Extras** folder, double-click the **Sentinel_Runtime_7.100.dmg** file.



Sentinel Runtime

3. If you see an error message when attempting to run the installer, select **OK** to close the message.



Sentinel Runtime Error

4. Right-click on the **Install Sentinel Runtime Environment** icon and from the pop-up menu, select **Open**.

A confirmation dialog will appear.

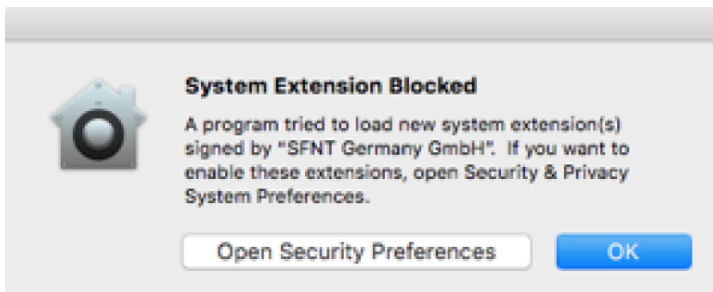


Sentinel Runtime Confirmation Dialog

5. Select **Open** to continue with the installation process.
6. If prompted with a **System Extension Blocked** alert, select **OK**.

Once you select **OK**, you have 30 minutes to approve the software described on the next page.

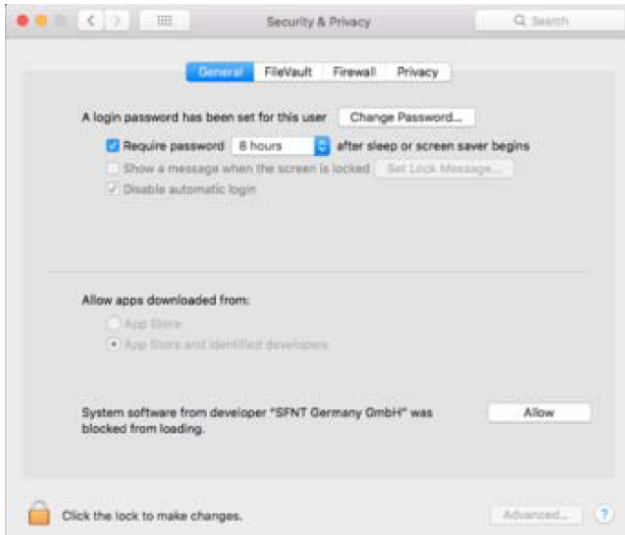
★ Apple macOS 10.13 and later require approval to load third-party kernel extensions. The Sentinel Runtime installation may trigger this alert if the operating system is new or the driver has not been previously installed.



System Alert

7. From the Apple menu, open **System Preferences** and select **Security & Privacy**.
8. Select the **Allow** button next to the blocked software.

9. If the **Allow** button is unavailable, click the **Lock** icon in the bottom-left corner and enter your administrator password to unlock the pane.



Security & Privacy Settings

10. Restart your computer to complete the process.

Installing PIERO

Installing PIERO for Mac has the following stages:

- **Download and install the PIERO release.**

Each version of PIERO is contained in a folder named with its version number. Older versions of PIERO can be deleted if no longer needed.

- **Install the PIERO assets for your user.**

Before running PIERO you need to install the various graphical assets needed by that version of PIERO. These are stored in your user's **Documents** folder, in a folder called **Piero**.

To download and install PIERO:

1. Download the Piero for Mac release DMG file.
2. Open the **DMG** file.
3. In the window that opens, drag the **Piero** folder onto the **Applications** folder.

The **Piero** folder is now copied into the **Applications** folder on your Mac, which is available to all users.

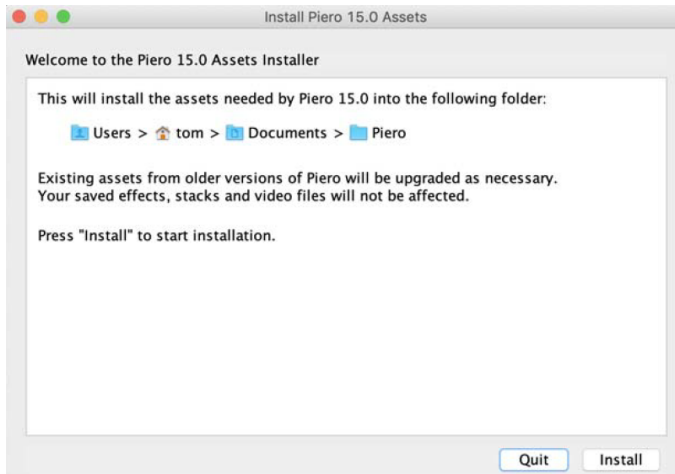


Piero (piero) 15.0 Window

To install PIERO assets:

1. Go to **Applications > PIERO** and run the **Install Assets** application.

The **Install Piero Assets** dialog opens.



Installing PIERO Assets Window

2. Select **Install**.

Installation Error

If an error message appears during installation indicating that the installation cannot take place, an existing Piero folder in the user's Documents directory may be causing the issue. Rename or delete the folder and run the **Install Assets** application again. Back up any video files, saved stacks, or effects before removing the folder.

If you cannot resolve the installation problem, contact techsupport@rossvideo.com.

After Installing PIERO

After installing PIERO, additional configuration is required to ensure proper operation. These tasks only need to be performed once per user account.

Configuring Display Resolution for PIERO

PIERO requires a display resolution of at least 1920 × 1080. If the current resolution is below this minimum, adjust the display settings.

To configure your display resolution:

1. Go to **System Preferences** and select **Displays**.
2. At the top of the window, select **Display**.
3. Set the resolution to **Scaled**.

You will see either five scaling options or a list of resolutions.

4. Do one of the following:

- If five scaling options are shown, hover over each option to view its resolution and select one that is at least 1920 × 1080.

OR

- If a list of resolutions is shown, select a resolution that is at least 1920 × 1080.

Configuring Function Keys on MacBook Pro Models with a Touch Bar

The function keys (F1, F2, etc.) are used as shortcuts for various operations in PIERO. If you are using PIERO on a MacBook Pro with a Touch Bar it is useful to have the function keys displayed on the Touch Bar while PIERO is being used.

To configure the function keys:

1. Go to **System Preferences** and select **Keyboard**.
2. At the top of the window, select **Shortcuts**.
3. From the list on the left, select **Function Keys**.
4. Then select the **+** button and select the Piero application from **Applications>Piero folder**.

Configuring Function Keys on Macs with Physical Function Keys

By default, Macs with physical function keys require the **fn** key to be held to access F1–F12. Enable standard function key behavior to avoid this requirement.

To configure physical function keys:

1. Go to **System Preferences** and select **Keyboard**.
2. At the top of the window, select **Keyboard**.
3. Select the **Use F1, F2, etc. keys as standard function keys** checkbox.

Checking Function Keys Allocation

PIERO uses the function keys F1 to F12 as keyboard shortcuts. In the default macOS setup, some of these may be allocated to system-wide shortcuts, such as F11 for **Show Desktop** and F12 for **Show Dashboard**.

To check function key allocation:

1. Go to **System Preferences** and select **Keyboard**.
2. At the top of the window, select **Shortcuts**.
3. Check the **Mission Control** category listed on the left and ensure F11 and F12 are not allocated to any commands that are active (checked).

★ This does not apply to shortcuts that use the Control key and a function key, such as \wedge F1, \wedge F2, etc.

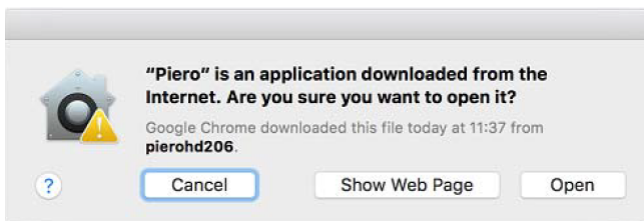
Running PIERO for Mac

Before launching PIERO, ensure the USB license key is connected. If the license has expired, PIERO will not start.

★ The remaining time on the license is displayed in the Launcher.

To start PIERO:

1. Go to the **Applications > Piero** folder and start the **Launcher** application.
The PIERO Launcher opens.
2. Configure the options (video, audio and sport) as required.
3. Click the **Launch Piero** button to save the settings and start PIERO.
4. If a warning message appears the first time PIERO is launched, select **Open** to proceed.



PIERO Warning Message

5. For future sessions using the same settings, run the PIERO application directly.
6. If changes to video, audio, or sport options are required, run the **Launcher**, update the settings, and click **Launch Piero**.

Using PIERO for Mac

This section includes additional notes specific to using PIERO on macOS.

- ★ Please refer to the PIERO User Guide for full operating instructions for PIERO.

User Guide and Release Notes

The PIERO user guide and release notes are located in the user's home folder and can also be accessed from the Launcher.

To open the documentation:

- In the **Launcher**, select **Open Documentation Folder**.
- **OR**
- Navigate to **Documents > Piero > userguide** in the user's home folder.

Location of Video Files

- Source video files must be placed in **Documents > Piero > clips > PieroSource** in the user's home folder.
- Exported video files are saved to **Documents > Piero > clips > PieroExport**.

Additional Mouse Buttons

PIERO uses the right and middle mouse buttons, as well as the scroll wheel for certain features.

- In **System Preferences > Mouse**, enable the secondary button and button 3 to use a multi-button mouse.
- In **System Preferences > Trackpad**, configure the secondary click to enable right-click functionality.

Delete and Backspace Keys on Laptops

PIERO uses both the Delete and Backspace keys for timeline and effect operations. On Mac laptops, the keyboard layout may differ from external keyboards.

The Backspace key is located at the top-right of the keyboard and may be labeled with a left-pointing arrow or the word **Delete**. PIERO uses the backspace key in various ways when manipulating effects (see the "i" icon on an effect property sheet to see keyboard shortcuts).

The Delete key is not available on most Mac laptop keyboards but is present on external keyboards with a numeric keypad. In PIERO, this key removes the currently selected effect from the timeline. The F12 key can also be used to delete the selected effect.

On laptops without a Delete key, press **fn + Backspace** to perform the delete function.

Keyboard Stops Responding Correctly

If the keyboard becomes unresponsive in PIERO, it may be caused by the macOS pop-up accent menu, which appears when a key is held down.

To restore keyboard functionality:

1. Click in a text box in PIERO (such as the effect name at the top of the property sheet).
2. Hold down the **E** key to trigger the accent pop-up.
3. Press the **Esc** key to close the pop-up.
4. Press **Backspace** to remove the typed character "E".

The Keyboard input should now function normally.

If this issue occurs frequently, the pop-up accent box can be disabled.

To disable the pop-up accent box:

1. Go to **System Preferences** and select **Keyboard**.
2. At the top of the window, select **Keyboard**.
3. Set the **Key Repeat** setting to **Off**.

Full Screen Mode

PIERO operates correctly only when running in full-screen mode. The application enters full-screen automatically at launch. If PIERO is taken out of full-screen mode, return by clicking the green button in the top-left corner of the window.

Location of Log Files

Log files are stored in **Documents > Piero > log** in the user's home folder. These files may be requested by PIERO support when investigating an issue.