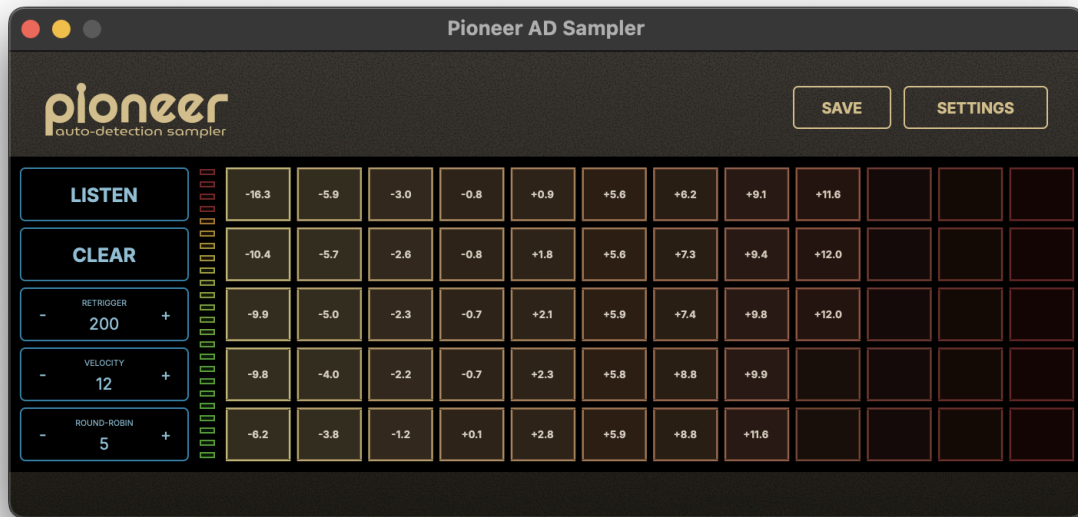


Pioneer Auto-Detecting Sampler

User Manual
v.0.1.0

User Manual



Pioneer AD Sampler is a standalone automatic sampler for capturing audio from an input signal, organizing the captured sounds into a velocity and round-robin matrix, previewing the result, and exporting the samples as WAV files.

Installation

Pioneer AD Sampler is distributed as a standalone application.

macOS

1. Download the dmg file from the official download link.
2. Open your Downloads folder.
3. Double-click the downloaded `.dmg` file to mount it.
4. In the disk image window, drag `Pioneer AD Sampler.app` to the `Applications` folder.
5. Eject the mounted disk image.
6. Open the `Applications` folder.
7. Control-click or right-click `Pioneer AD Sampler.app`.
8. Choose Open.
9. Confirm Open if macOS asks whether you are sure you want to open the app.

Important: this build is not signed with an Apple Developer ID and is not notarized by Apple. This is the correct Apple terminology: Developer ID signing and Apple notarization. Because of this, macOS Gatekeeper may block the app with a warning such

as "Pioneer AD Sampler cannot be opened because Apple cannot check it for malicious software" or "Pioneer AD Sampler is damaged and cannot be opened." Only continue if you downloaded the `.dmg` from a trusted official source.

If macOS blocks the app after the first open attempt:

1. Open the Apple menu in the top-left corner of the screen.
2. Choose System Settings.
3. Go to Privacy & Security.
4. Scroll down to the Security section.
5. Find the message saying that `Pioneer AD Sampler` was blocked from use because it is not from an identified developer.
6. Click Open Anyway.
7. Enter your Mac password or use Touch ID if macOS asks for confirmation.
8. Click Open in the final confirmation dialog.

If the Open Anyway button does not appear, try opening the app once more by Control-clicking `Pioneer AD Sampler.app` in the Applications folder and choosing Open. Then return to Apple menu > System Settings > Privacy & Security and check the Security section again.

If macOS still says that the app is damaged and cannot be opened:

1. Open Terminal.
2. Run this command:

```
`xattr -dr com.apple.quarantine "/Applications/Pioneer AD Sampler.app"
```

3. Control-click `Pioneer AD Sampler.app` again.
4. Choose Open.
5. Confirm Open.

Use the Terminal command only for the official app you downloaded yourself. It removes the macOS quarantine attribute from the Pioneer AD Sampler application bundle.

If macOS shows a privacy request for microphone access:

1. Click Allow when the prompt appears.
2. If you clicked Don't Allow by mistake, open the Apple menu.
3. Choose System Settings.
4. Go to Privacy & Security.
5. Open Microphone.
6. Enable access for `Pioneer AD Sampler`.
7. Restart Pioneer AD Sampler.

Pioneer AD Sampler needs microphone or audio interface input access in order to record samples.

Windows

1. Download the Windows Pioneer AD Sampler package from the official download link.
2. Open your Downloads folder.
3. If the file is a `.zip` archive, right-click it and choose Extract All, then open the extracted folder.
4. If the file is an installer, double-click it and follow the installer steps.
5. If the package contains only `Pioneer AD Sampler.exe`, move it to a folder where you want to keep the application, for example `C:\Program Files\Pioneer AD Sampler\`, Documents, or Desktop.
6. Double-click `Pioneer AD Sampler.exe` to launch the app.

Important: this build is not Microsoft Authenticode code-signed and does not use a trusted Windows publisher certificate. This is the correct Windows terminology: Authenticode code signing and trusted publisher certificate. Because of this, Microsoft Defender SmartScreen may show a warning that the app is from an unknown publisher or that Windows protected your PC. Only continue if you downloaded the app from a trusted official source.

If Windows SmartScreen blocks the app:

1. In the SmartScreen warning window, click More info.
2. Check that the app name is `Pioneer AD Sampler`.
3. Click Run anyway.

If Windows security settings block the downloaded file before launch:

1. Right-click the downloaded file or extracted `Pioneer AD Sampler.exe`.
2. Choose Properties.
3. Open the General tab.
4. If you see a Security message saying the file came from another computer and might be blocked, enable Unblock.
5. Click Apply.
6. Click OK.
7. Launch the app again.

If Windows asks for microphone permission:

1. Open the Start menu.
2. Open Settings.
3. Go to Privacy & security.

4. Open Microphone.
5. Enable Microphone access.
6. Enable Let desktop apps access your microphone.
7. Restart Pioneer AD Sampler.

Activation

Pioneer AD Sampler requires activation before audio capture, preview, and export are enabled.

1. Launch Pioneer AD Sampler.
2. Click ACTIVATE.
3. Paste your license key into the activation field.
4. Check the Machine ID shown in the activation window if support asks for it.
5. Click ACTIVATE.

An internet connection is required for activation. The license is tied to the current machine. After successful activation, the ACTIVATE button disappears and the main controls become available.

The About window shows the current license state. Click the Pioneer AD Sampler logo to open it. Trial licenses display the number of days remaining. If a trial enters a grace period, the About window shows the remaining grace days.

Audio Setup

In the standalone application, click SETTINGS to choose the audio input, audio output, input channel, sample rate, and buffer size. The same window also includes a Mute audio input option for feedback loop control.

Use SETTINGS before recording if the app is not receiving input signal or if you need to switch to another audio interface.

Main Workflow

1. Set the number of VELOCITY columns.
2. Set the number of ROUND-ROBIN rows.
3. Set the RETRIGGER value if needed.
4. Click LISTEN.
5. Play or trigger the source sounds into Pioneer AD Sampler.
6. Watch the matrix fill with captured samples.
7. Click any filled matrix cell to preview it.
8. Click SAVE to export the captured samples as WAV files.

Matrix

The main grid is a velocity and round-robin matrix.

Velocity columns run from left to right. Quieter samples are placed toward the left, louder samples toward the right.

Round-robin rows run from top to bottom. Multiple samples at similar velocity levels are distributed through the rows so they can be used as alternate hits or variations.

Each filled cell displays the peak level of that captured sample in dB. Empty cells are available for future captures. Disabled cells are outside the currently selected matrix size.

The matrix can contain up to 12 velocity columns and 5 round-robin rows, for a maximum of 60 mapped samples.

Listening And Capture

Click LISTEN to start automatic capture. While listening, Pioneer AD Sampler monitors the input and captures audio when the signal crosses the internal detection threshold.

Click STOP to stop listening. Listening also stops automatically when the active matrix is full.

Captured sounds are trimmed automatically. The app keeps a short pre-attack portion before the detected transient, removes silence around the sample, and applies a very short fade-out to avoid clicks.

Very quiet captures are ignored. If the input is too low, increase the source level before recording again. Use the input meter and status readout to check the incoming level.

Retrigger

The RETRIGGER control sets the minimum cooldown time between separate captures. It can be set from 20 ms to 500 ms.

Use a shorter retrigger time when sampling fast repeated hits. Use a longer retrigger time when one sound is being split into too many separate captures.

Pioneer AD Sampler can detect a new transient during an active capture and split it into a separate sample when the signal clearly re-triggers.

Preview

Click a filled matrix cell to preview that sample. The cell flashes while it is triggered.

Preview playback is mixed into the app output. Make sure the output device selected in SETTINGS is routed to your monitors or headphones.

Clear

Click CLEAR to remove all captured samples from the current session. This resets the matrix and lets you start a new capture pass.

CLEAR does not reset your license, audio settings, or matrix settings.

Saving WAV Files

Click SAVE to export the mapped samples.

Choose a target WAV file name in the save dialog. Pioneer AD Sampler uses the selected folder and the base file name you entered, then creates one WAV file for each filled matrix cell.

Exported files use this naming pattern:

`name_vXX_rrYY.wav`

For example:

`autosample_v01_rr01.wav`

`autosample_v12_rr05.wav`

The exported files are 24-bit WAV files. The sample rate matches the sample rate used during capture.

Recommended Use

For consistent multisample sets, trigger the source sound from quiet to loud while LISTEN is enabled. Leave enough space between hits for the detector to separate them cleanly, or adjust RETRIGGER for the material.

If you need fewer samples, reduce the VELOCITY or ROUND-ROBIN values before recording. If you change the matrix size after recording, Pioneer AD Sampler remaps the existing captures by level into the active matrix.

Use CLEAR before starting a different source sound or articulation.