

Neat Video quick start guide

1. Installing the plug-in

To install the Neat Video v4 plug-in for Premiere (Mac)

1. Make sure you have started Premiere at least once before installing the plug-in. If you have not done it yet, start Premiere and select **Quit** from Premiere's menu;
 2. Close Premiere;
 3. Download the DMG install package that matches your version of Premiere;
 - if you already purchased the product and have a current license for the Home or Pro plug-in, please use the download instruction supplied with the license to download the corresponding plug-in from the download area specified in that instruction;
 - if you want to try Neat Video before purchase please download the installer of the Demo version from this page: <https://www.neatvideo.com/download>
 4. Double-click the downloaded file to mount the DMG volume;
 5. In the mounted volume, double-click *NeatVideoPR.Intel.pkg* to start the installer;
 6. Follow the steps of the installer wizard to complete the installation process; (you may be prompted to enter the Name / Password of the OSX administrator account);
 7. Start Premiere and find **Neat Video | Reduce Noise v4** in the Premiere's **Video Effects** list.
- If Neat Video has **not** become available in Premiere, please contact Neat Video support for assistance.

2. Running Neat Video on a sample video clip

There is a test-kit prepared to help you start using Neat Video. You can download the test-kit via this direct link: <https://www.neatvideo.com/project/resources/testkit.zip>.

Having downloaded, please unzip it to a new folder on the hard disk.

The test-kit includes a sample video clip: *SampleClip.mpg*. This is a typical video clip captured by a digital video camera in high-gain mode. Some technical information about the sample clip is available in the *SampleClipInfo.txt* file.

Please start Premiere and go through the steps below to clean the clip using Neat Video:

2.1. Add the sample clip to the project

1. Configure a new project in Premiere

1. Create a new project in Premiere.
2. In **New Project | General** window click **OK**.
3. In **New Sequence**, select **AVCHD > AVCHD 1080p25** and click **OK**.

Premiere will open the **Project**, **Effects**, **Effect Controls**, **Timeline** and **Program Monitor** windows for the newly created project with a new sequence.

2. Add the sample clip file to the project

1. Use the **File | Import...** menu in Premiere to import the *SampleClip.mpg* file into the project.

3. Add the sample clip to a sequence

Select the sample clip in the **Project** window and drag-n-drop the clip into **Sequence 01 | Video 1** in the **Timeline** window. Then select **Sequence 01 | Video 1**.

You will then see that there is strong noise in the sample clip (see the **Monitor** window). The task of Neat Video is to reduce this noise.

2.2. Add Neat Video effect

- In the **Effects** window, select **Video Effects | Neat Video | Reduce Noise v4...** and drag-n-drop it into **Sequence 01 | Video 1** in the **Timeline** window. This will add the **Reduce Noise v4** effect to the **Video Effects** list in the **Effects Controls** window.

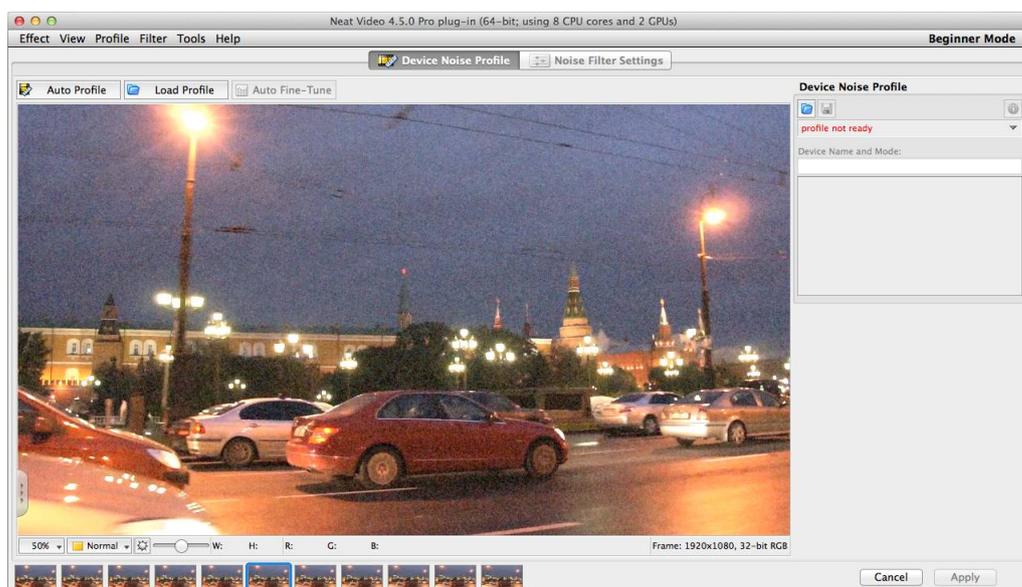
2.3. Configure Neat Video

1. Open Neat Video plug-in window

- Make sure **Program Monitor** is set to Highest Quality: right-click frame in Premiere's preview and in the popup menu select:
 - **Playback Resolution > Full**
 - **Paused Resolution > Full**
- In the video clip in the **Timeline** window, use the **Current Time Indicator** to select a frame with large flat featureless areas; the selected frame will be used for noise analysis in the next stages.
- Open the Neat Video plug-in window using the effect's **Setup...** button (to the right of **Reduce Noise v4** effect name) in the **Effect Controls** window in Premiere.

(If you run the Demo plug-in, click **OK** in the popup splash screen of the plug-in to proceed further.)

The **Neat Video plug-in** window will open and display the current frame from the clip.



2. Build a noise profile for the clip

To reduce noise in this frame and in the whole clip, Neat Video generally needs a noise profile describing the noise properties of the clip. You can prepare such a profile using the **Auto Profile** function:

- In the **Device Noise Profile** tab  **Device Noise Profile** click  **Auto Profile**

The **Auto Profile** function will find and select an area for main analysis. Neat Video will then automatically analyze the noise in that area to build a new noise profile.

Neat Video is then ready to filter the sample clip.

3. Check preview

- Switch to the **Noise Filter Settings** tab  **Noise Filter Settings**

You will notice that Neat Video has already applied noise reduction based on the default filter settings and the preview shows a clearly visible difference: there is less noise than in the original frame.

You can try to adjust the filter settings and see how that affects the results. For example, try to adjust the **Temporal Filter > Radius** setting (in the **Temporal** tab in the **Filter Settings** box in the right part of the window) from 2 to 1 or to a higher value. This will apply weaker or stronger temporal noise reduction to the frame.

4. Apply the changes

- Click  **Apply** in the bottom of the plug-in window.

Neat Video will save the current settings and close its main window.

(If you run the Demo plug-in, it will also describe the limitations of the Demo version at this point.)

2.4. Render the clip

- Use the **Sequence | Render Effects in Work Area** menu item in Premiere.

Premiere will then apply Neat Video noise reduction to the whole sample clip to help you evaluate the filtration results (and adjust the filter settings if necessary). You will see that the noise in the resulting clip is significantly reduced while the true details are preserved.

You can also find that the resulting noise-free clip can be compressed better (the file size is smaller) than the original noisy clip (this depends on Premiere's compression settings).