

Neat Video quick start guide

1. Installing the plug-in

To install the Neat Video plug-in into Premiere (Win)

1. Download the EXE installer of Neat Video that matches your version of Premiere;
2. Double-click the downloaded EXE file to start the installer;
3. Follow the steps of the installer wizard to complete the installation process;
4. Start Premiere and find Neat Video | Reduce noise in the Premiere's Video Effects list.

If Neat Video has **not** become available in Premiere after restart, please contact Neat Video support.

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 from the Neat Video web page: <http://www.neatvideo.com/files3/testkit.zip> (6 MB). Having downloaded, unzip it to a new folder on the hard disk.

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

Please start Premiere and go through the stages below to make Neat Video clean the clip:

2.1. Stage I. 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 HDV > HDV 720p25 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

- ➔ Use the File | Import... menu in Premiere Pro 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. Stage II. Add Neat Video effect

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



2.3. Stage III. Configure Neat Video

1. Open Neat Video plug-in window

- ➔ Open the Neat Video plug-in window using the effect's Setup... button (to the right of Reduce noise effect name) in the Effect Controls window in Premiere Pro;
The Neat Video plug-in window will open and show the currently selected frame from the clip.

2. Load noise profile


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. We have prepared such a noise profile in advance. The profile is supplied with the test-kit in the *SampleProfile.dnp* file. Load it into plug-in:

- ➔ 1. In the Device Noise Profile tab  **Device Noise Profile** click  **Load Profile** (the Load Profile button);

2. In the Load Device Noise Profile dialog, navigate to the folder where the sample device noise profile has been unzipped and select the *SampleProfile.dnp* file.


Neat Video will load the noise profile and will then be ready to filter the sample clip.

3. Check intra-frame preview

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

You will notice that the intra-frame filter has already applied some filtration based on default filter settings and the preview shows a clearly visible difference. However, this is not the final result yet.

4. Apply the changes

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

The plug-in will close its main window.

5. Adjust the temporal filter

- ➔ Adjust the Temporal filter radius setting from 1 to 5 in the Effect Controls window.
This will apply stronger temporal filtration to the clip.

2.4. Stage IV. Render the clip

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

This will automatically 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 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.

The sample noise profile supplied with the test-kit is suitable only for this clip and similar clips produced by the same capturing device working in the same or similar mode. Neat Video can apply similar noise reduction to video clips captured or acquired by any other devices working in any mode. To be able to do that Neat Video needs device noise profiles that describe the noise characteristics of those devices. Using Neat Video's Auto Profile function, you can easily build these profiles yourself. Auto Profile can automatically build a profile once you give it a suitable frame from a clip.