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Monet Version 2.1.1

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1 Introduction

This is the release note for Monet version 2.1.1 the release is a full install kit for the all supported platforms.

Release Description

This release is a version release, which includes several major fixes identified in the release Monet Version 1.1.0. There are several other improvements with regards to improved tracking performance and memory management.

File Version Changes

Below is a list of the files and their version numbers. The list details each release for the independent platforms.

File Name	Version	Comment	Date Built
MonetV2.1.1.dmg	2.1.1	Build for Mac	19 th April 2007
MonetV2.1.1.exe	2.1.1	Build for Windows	19 th April 2007
MonetV2.1.1.rpm	2.1.1	Build for Linux	19 th April 2007

2 New Features Introduced

- Added Smoothing on Tracker to improve stability.
When tracking shots with sharp edges (e.g. animated shots) or a lot of noise, it can help to pre-smooth the image before tracking. You can now set a Smoothing Level value in a new Pre-processing section of the tracker, which specifies a filter size to apply to the current and next frames before invoking the planar tracker.

3 Fault List Fixed

Below are the lists of bugs that have been previously identified in the Monet 2.1.0

3.1 Major Fault Fixes

Fault
If a layer is created with one point and another tool is selected the layer will appear within the layers to render; the layer will subsequently delete as a result of not enough points being created
Stability issues: When opening a project, during the opening load if the user attempts to access a tool from the keyboard the application will crash,
Application locks after stopping playback
Layer appears in render list after it is undone
Saving interlaced mattes in Save Clip fails
Removal crash when 3d compensation is set on
Monet crashes if it attempts to open project files saved by Motor V1.1.1; The

application should return an error stating that the files are incompatible
Threading issue with the tracker; If a tracking object moves out of the frame the application crashes
Stability issues: When opening a project, during the opening load if the user attempts to access a tool from the keyboard the application will crash.
Undoing multiple contours that also consists of a layer with one point will return an unrecoverable error
Creating a two point layer and two point contour and then undoing causes a crash
If a layer is created with one point and another tool is selected the layer will appear within the layers to render
The application Crashes when an MPEG-1 file is opened
A random line is drawn from the centre of a point when creating a layer; This is an usual error that occurs when a spline is created in an incorrect manner
On Save Clip when one toggles the Matte option, the 1st and Last frames to render changes to the In / Out markers on the timeline.
Application Crash occurs when trying to close project whilst Clip is bring played
Monet is unable to handle Large AVI file
Improving the speed of opening and closing projects, where the image sequence is loaded from a directory with several thousand frames Also, when closing a project, the software hangs for a long time in this scenario. While it hangs, there is minimal CPU and memory activity.
During tracking if the user select the stabilize module the application will crash
Closing project whilst clip is playing causes the application to crash
Monet Crashes during Removal when Interpolate and 3D Compensation settings are set to on.

3.2 Minor Fault Fixes

Fault
Remove Tab - Modify Range adds keyframe
Tracking not updating on the fly
Remove, does not remove correctly if a render has been undone
Saving RGB clip with matte(s) in the alpha channel as QuickTime fails to save matte(s)
Adobe Acrobat version 8 cannot open the Manual and release notes from the application
Jaws Adobe reader cannot open the Manual and release notes from the application
Tiff images do not appear in Images and Movies filter in file dialogs (Windows only)
Closing a project when it has not been modified causes the project to hang
The creative Cow forum should now point to the Imagineer Forum
Track / Defaults to Search Area not Motion Tab
Panning / View Controls and Clip Tab settings, When A is selected in Clip Tab but B is selected in View Controls
Panning does not work?
The frame count of a QuickTime file can be miscalculated on some files. This shows up on the clip Clips/Susan Chang/Monet_ArrestedDev_ProdPlacementDemo_Fixed.mov.

QuickTime issue: Improving opening of .MOV .AVI and Mpeg files
Monet tracker on telesciene warp incorrect, a telesciene warp cannot be tracked correctly
There are differences in creating a project in Monet version 4.0.5 and 4.1.0. The issue involved is that both tracks differ; when attempting to render out a telesciene warp; the two applications have very different results. The creation of the project which also sets the pixel aspect ratio has been found as the culprit

4 Known Issues

- Moxxx on a Macintosh cannot open a folder that consists of 20,000+ frames from a network connection in reasonable time (reasonable time is defined as a short period of time a user would expect the system to respond in this case more than 5 minutes)
Note: This issue is related to finder on the mac; which also takes a long period of time to recognize the files: This issue would therefore be inherent with the Macintosh capability.
- Mac issue: An error occurs when saving a matte Clip, the system reports an error 'Cannot Save Matte Clip'; this error appears only when the application has run out of Virtual Memory space and is then using disk swap space.
 - Workaround: Restarting the system will clear out the virtual memory and allow a user to continue working and to save the matte clip. (Note: Running out of virtual memory is a rare occurrence and can be remedied by limiting the amount of applications running in concurrency with Monet or Monet)
- If a user creates a one point layer (creates one point) and then selects add contour; once the new contour is completed and the user undoes the contour the application will present an error.
- If a user creates multiple layers including a one point layer the application will return an error message and clear out the undo history
- If a user creates a two point layer and then clicks add contour and then creates a two point contour and then selects a the add layer too and adds two points and then selects a add contour: If the user then undoes this action the application will produce an error and then clear the undo history.
- There is a slow repaint issue when running a intensive process (Mac Only), When running an intensive process; there is a noticeable repaint issues on the task bar; White artefacts appear during the rendering process.

5 Software Pre-requisites/Restrictions

Operating system: One of

- Windows NT/2000/XP/XP64
- Red Hat 9 and Above
- Mac OS X v10.4

Additional Third Party applications (Recommended not mandatory)

- Adobe Acrobat Reader 5.0 +
- QuickTime Version 6.0 +

6 Hardware Pre-requisites

Recommended Requirements

Processor: Intel Core Duo 2 or equivalent
Disk: 80 GB+
Memory 2GB +
Graphics Card: NVIDIA Quadro FX 1500 or equivalent
Monitor: 1920 x 1200

Minimal Requirements

Processor: at least 1Ghz Pentium IV
Disk: At least 1GB
Memory: At least 1 GB
Graphics card: Must support OpenGL
Monitor: Minimum resolution 1200x800 pixels

For working with high resolution images, it is recommended that a multi-processor system with at least 1GB RAM should be used.

7 Installation

Windows Installation:

CD-ROM installation

1. Uninstall any previous instances of the software
2. Insert the CD ROM, the auto-start facility will start the setup automatically.
3. If setup does not automatically begin go to Start-Run Type: D:\setup.exe (Note D:\ represents the CD-ROM drive which can vary from machine to machine).
4. During installation you will be presented with options to install several third party software including:
 - a. Adobe Acrobat Reader – Required to view manuals and Tutorials
 - b. QuickTime – Required import/export QuickTime files.
 - c. Hardware Key Drivers – Required for a dongle.
 - d. Microsoft XML Parser V2 – Required for accessing generationQ systems via the Monet reference.
 - e. Tutorial Clip – Required by the tutorial program
5. Installation will prepare to install. A welcome to 'Monet v2.1.1' installation page will appear 'Press Next' to continue installing
6. Please read the licence agreement and press 'Yes' to accept the licence agreement and continue installing.
7. Enter a username in the customer information along with the company name. Also choose who the application is for: (Options (All Users/Only for Single User). Press 'Next' to continue installation.

8. Please choose an appropriate destination where the folder will reside. Press 'Next' to continue installation
9. Please choose appropriate setup type (Typical – will store all components/ Compact - will install minimal required/ Custom – Will allow user to choose components to be installed.
10. Choose 'Next' to Begin copying files.
11. Once files have been installed, Choose Finish to terminate the installer.

Downloaded .EXE File:

Once the installation file (MonetV2.1.1.exe) has been downloaded onto the system double click the application to begin installation.

1. Installation will prepare to install. A welcome to Monet v2.1.1 installation page will appear. Press 'Next' to continue installing
2. Please read the licence agreement and press 'Yes' to accept the licence agreement and continue installing.
3. Enter a username in the customer information along with the company name. Also choose who the application is for: (Options (All Users/Only for Single User). Press 'Next' to continue installation.
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6. Choose 'Next' to Begin copying files.
7. Once files have been installed, Choose Finish to terminate the installer.

Apple Macintosh installation

CD-ROM installation

1. Insert CD-ROM into the CD/DVD drive, double click the 'Monet' CD-ROM icon and then go to the Max OS X folder.
2. Double click the MonetV2.1.1 FILE. This will open a new window.
3. Drag the 'Monet' File to the folder where 'Monet' will be installed. (Usually in the 'Applications folder' on the Macintosh hard drive)

Downloaded .DMG File

Once the installation file (MonetV2.1.1.dmg) has been downloaded onto the system double click the application this will open a new window

1. Drag the 'Monet' File to the folder where 'Monet' will be installed. (Usually in the 'Applications folder' on the Macintosh hard drive)

Linux installation

CD-ROM installation

1. Insert the CD-ROM into the drive, Change directory to /mnt/CDROM/Monet/Linux (assuming the CD is mounted on /mnt/CDROM)
2. Run rpm -i MonetV2.1.1-z.i386.rpm
3. The software is now installed.

DOWNLOADED .RPM File

1. Run rpm -i Monet2.1.1-z.i386.pm
2. The software is now installed.

Release History

Monet Version 2.1.0 for Windows and Linux

Key Faults

Fault
USB Dongles non-functional on Mac
Extreme warp is not rendered correctly
Contour does not appear on all layers when added to a tracked clip:
Filtering Multiple Layers in one pass

Key Features

Comments
Improve Stabilization
Apply Mask from Input Clip

Version 2.0.5-1 (Windows only)

Key Faults

Comment
Application is becomes non responsive when AutoSave is on

Version 2.0.5

Key Faults

Comment
Incomplete track error in stabilizer preview
Matte artefacts issues
Curve Weight problem

Key Features

Comment
Interlaced Single Frame Tracking
Layer Link to Adjust Track
Universal Binary

~END OF DOCUMENT~