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next-generation vfx tools

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Review History

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| Philip McLauchlan | 09-Jan-2007 | Final Release | 0.3 |
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1.0 Introduction

This release is for all platforms. This is a release for Mokey Version 4.1.0. The release is a full install kit. The installation will allow the user to upgrade an existing release or carry out a full install.

1.1 *Release Description*

This is a full release that comprises of all bug fixes from Mokey version 4.1.0 as well as the bug fixes found in previous releases. The release also compromises several new features that pertain to improved stabilization.

1.2 *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 |
|-----------------|---------|-----------------|
| MokeyV4.1.0.exe | 4.1.0 | Windows Release |
| MokeyV4.1.0.rpm | 4.1.0 | Linux Release |
| MokeyV4.1.0.dmg | 4.1.0 | Mac Release |

2.0 New Features Introduced

2.1 *Key Features*

- **Improve Stabilization**

AutoFill now works using the mattes. This means that you need to have a layer covering each edge to make sure that the edge will be filled.

- **Apply Mask from Input Clip**

There is now a "Mask Soft Edge" box in the Camera settings, which allows you to set up feathering for the blanking area around the edge of the frame. There are left, right, top and bottom settings, similar to the Mask settings, but defining the widths of blend areas outside the main Mask area. The blend area appears as orange lines outside the yellow Mask lines.

This new soft edge mask feature is integrated with the rendering in

- * Stabilize, using a new "Apply crop from input clip" option, which is on by default
- * Lens Distort/Undistorted

2.2 *Minor Features*

NA

3.0 Fault List Fixed

3.1 Key Faults

| SF Number | Fault | Date Fixed |
|-----------|--|--------------|
| 85 | USB Dongles non-functional on Mac: The FLEXnet universal binary does not correctly support USB dongles. | 20-Dec-2006 |
| 88 | Blending in Remove can cause exception: When choosing a Blend value that does not equal zero in the Remove module and rendering, the error message "An unknown exception occurred" appears. | 17-Nov-2006 |
| 111 | Contour does not appear on all layers when added to a tracked clip: If a layer has been tracked and consists of more than 1 key point, with modified range set to off. A user can add a new contour on the first key frame; however this contour will not extend across the other tracked frames. | 17-Nov-2006 |
| 123 | Mokey Crash Occurs in Blend Mode: During the removal process using the blend mode, where the value is set to a value more than '0'; The application intermittently crashes. | 05-Dec-2006 |
| 124 | Stabilisation disregards blanking edges: Currently, when you stabilise a shot, blanking edges are not maintained. This is an issue for some film restoration facilities, who ideally want a usable shot out of the system. | 06- Dec-2006 |
| 125 | Stabilisation and lost image buffers: Error message appears 'Attempted to free an image buffer in use' when stop is pressed during stabilisation. | 06-Dec-2006 |
| 129 | Mokey Crash during Removal with Interpolate and 3D Compensation settings: Whilst attempting to remove an object in Mokey, A crash occurs when the interpolate Smoothing level is set to 0.1 and 3D compensation are selected. | 08-Dec-2006 |
| 163 | Mattes don't render correctly at the intersection of soft edges: When layers overlap, the area where the edges of the two layers intersect are not rendered correctly although in preview mode these are shown to be correct. The assumption is that the alpha values are too large. | 18-Dec-2006 |

3.2 Minor Faults

| SF Number | Fault | Date Fixed |
|-----------|--|------------|
| 55 | Installer Kit - Custom install requires application | 1/12/2006 |

| | | |
|------------|--|-------------|
| | to remain as a minimal option: During the installation process three installation options appear. (Typical/Compact/Custom). The Custom allows a user to remove all aspects of the installation including the application | |
| 56 | Installshield error. 'Repair option does not correctly function': Once a product has been installed, installshield allows a repair option to be utilised to repair (effectively reinstall) any damaged components. However the repair option for the Mokey Windows Installshield does not correctly function. | 1/12/2006 |
| 59 | Adding Tool Tip Text to New Project Window for the Quantel Clip load button: A tool tip text note is required within the new project window wizard to allow the user to be aware of the functionality of the Quantel button. | 17-Nov-2006 |
| 164 | Switched off layers don't undo render: If you render a layer in any module and then switch it off, undoing the rendering doesn't do anything, because the layer is switched off! | 18-Dec-2006 |
| 166 | Moving surface can fail to transfer to other frames: "Set Master" in Adjust Track to change the master reference frame for one of the original reference points, and then repeat "Set Master" in the same frame to transfer another reference point to be a master point in the current frame, subsequently moving the layer point in other module in a different frame will fail, in that it will not transfer the move to other frames. | 19-Dec-2006 |

4.0 Fault List Outstanding

| SF Number | Fault |
|------------|--|
| 135 | Layer appears in render list after it is undone If a layer is created and then subsequently is removed, using an Undo Action (CTRL Z in Windows) the layer still appears in the list for layers to be rendered in the Tracking Module. |
| 162 | An inserted Clip is distorted when input clip alpha is used in conjunction with the preview mode. In preview mode once a clip has been rendered with an insert; the inserted image does not appear correctly; during the preview the clip is distorted; however during the render the insert appears correctly. (With Preview off). |
| 199 | Saving interlaced mattes in Save Clip fails. When you select Matte in the Save Clip dialog, and select more than one layer to be exported, in an interlaced project, the exported mattes have one field corrupted, with small versions of the matte inserted towards the bottom. There is a workaround, which is to save the mattes one layer at a time. |

5.0 Known Issues

Mokey upgrades however an idriver.exe error:

Issue exists from version 4.0.0

When Mokey is being installed over an existing version of the same product an Idriver.exe error window appears at the end of the installation.

Workaround: The installation completes successfully; error message is the result of a separate process.

Saving interlaced mattes in Save Clip fails:

When you select Matte in the Save Clip dialog, and select more than one layer to be exported, in an interlaced project, the exported mattes have one field corrupted, with small versions of the matte inserted towards the bottom.

There is a workaround, which is to save the mattes one layer at a time.

6.0 Software Pre-Requisites and Restrictions

Operating system: One of

- Windows NT/2000/XP
- Red Hat Linux 9 or later
- Mac OS X v10.4

Additional Third Party applications (Recommended not mandatory)

- Adobe Acrobat Reader 5.0 +
- QuickTime Version 6.0 +

7.0 Hardware Pre-Requisites

Processor: at least 1Ghz Pentium IV

Disk: At least 1GB

Memory: At least 1 GB

Graphics card: Must support OpenGL

Monitor: Minimum resolution 1152x864 pixels

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

8.0 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 Mokey reference.
- e. Tutorial Clip – Required by the tutorial program
5. Installation will prepare to install. A welcome to 'Mokey v4.1.0' 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 (MokeyV4.1.0.exe) has been downloaded onto the system double click the application to begin installation.

1. Installation will prepare to install. A welcome to Mokey v4.1.0 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.
4. Please choose an appropriate destination where the folder will reside. Press 'Next' to continue installation
5. 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.
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 'Mokey' CD-ROM icon and then go to the Max OS X folder.
2. Double click the Mokeyv4.1.0 FILE. This will open a new window.
3. Drag the 'Mokey' File to the folder where 'Mokey' will be installed. (Usually in the 'Applications folder' on the Macintosh hard drive)

Downloaded .DMG File

Once the installation file (MokeyV4.1.0.dmg) has been downloaded onto the system double click the application this will open a new window

1. Drag the 'Mokey' File to the folder where 'Mokey' 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/Mokey/Linux (assuming the CD is mounted on /mnt/CDROM)
2. Run rpm -i MokeyV4.1.0-z.i386.rpm
3. The software is now installed.

DOWNLOADED .RPM File

1. Run rpm -i Mokey4.1.0-z.i386.pm
2. The software is now installed.

9.0 Release History

Version 4.0.5-1 (Windows Only)

Key Faults

| SF | Comment |
|-----|---|
| 116 | Application is becomes non responsive when AutoSave is on |

Version 4.0.5

Key Faults

| SF | Comment |
|----|---|
| 47 | Incomplete track error in stabilizer preview |
| 48 | Matte artefacts issues |
| 51 | Curve Weight problem |

Key Features

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

~ End of Document ~