

FlexColor 3.6.6 read me

The only change is a fix of an issue with Ixpress 384 16-shot quality that appeared in V. 3.6.5.

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### New camera features

Support for the Ixpress 96C, 132C and 384C models.

Use of Contax 645AF, Mamiya 645AFD and Rollei AF with Ixpress is now fully supported.

Improved Hasselblad H1/Ixpress compatibility.

Ixpress single shot improvements in areas with colored details.

ISO values for Ixpress shots can now be seen in the info window.

### Scanner changes

A problem with cancelling previews or 3f scans has been fixed.

Maximum allowed length of transmission custom frames for the 646, 848 and Precision scanners have been increased to 280mm.

The Flextight Photo firmware has been changed to fix a stability issue that could lead to the scanner entering a mode where only noise scans was produced.

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### Fixes

Version 3.6.3 had a problem when shooting a number of images in quick succession with the Ixpress in untethered mode. It could lead to corrupted images getting stored on the image bank.

An issue with frame recognition while 3f scanning with the batch feeder has also been solved.

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New features since 3.6.2

### Ixpress shutter and aperture control

For the camera types that support this feature you can now control the shutter and aperture settings directly from FlexColor. A new checkbox Enable camera control has been added to the exposure window - you need to uncheck this if you want to control shutter and aperture directly from the camera.

### Hasselblad H1 Ixpress support

The H1 camera is now fully supported for use with the Ixpress backs.

### New pinhole camera type

With the Ixpress you can now select this camera type when working with a camera without a shutter.

### Custom white balance for camera captures

In certain cases when using wide angle lenses and/or tilt cameras this may introduce a color cast. To compensate for this we now have the option of making a special white calibration under the exact capture conditions. To use this feature you need to capture a neutral white target with the exact lens and tilt configuration that is to be used for your actual captures. When this is done press the new "Custom White..." button in the exposure window. This will open a new dialog - pushing the "Use Current Capture" button will activate the custom white balance feature based on the capture you just made. If you need to revert to the standard white calibration simply click the Reset button in the custom white calibration dialog.

### Improved Flextight 848 feeder support

The software now validates that the current frame has actually been unmounted before moving to another position. Furthermore frames will be unmounted after making a final scan.

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New features since 3.6.1

### Support for Ixpress 384

The new Ixpress 384 camera backs with multi shot and micro step capabilities are now fully supported.

### Ixpress live video

The live video functionality is now available for all Ixpress devices.

### Default device profile

When selecting an input profile you now have the possibility of choosing the "Device Default Profile". This enables you to define a setting that will always use the currently selected device profile for the current device. You do this by selecting the second item in the input profile menu - it will be titled Device:<profilename>, where <profilename> is the name of the default profile for the current device. To change the default profile simply click the Change button located to the left of the input profile menu. This will lead you to the ColorSync Utility application. Here you can select the Devices view which will give you a list of registered devices. After selecting your camera or scanner in the list you can either assign a new default profile or switch back to factory default.

The new standard settings installed with this release all use the device default profile (except for settings for scanning negatives, since they do not use device dependent profiles). The primary benefit of this new feature is that you can now switch to your own custom input profile without having to edit any of your existing settings - all you need to do is to change the default profile using the ColorSync Utility.

In OS 9 The ColorSync Utility is not available - therefore the device default profile will always be the factory profile for the device.

### ICC support for multiple monitors

The ColorSync handling of the preview window is now dependent on the windows position on multi monitor systems. Previously the profile of the main monitor was always used.

Apart from these new features a number of minor improvements has also been made. Most important is the fix of some Ixpress issues when running on OS 9. Please note that some of these problems has been solved by increasing the application memory usage when using it with an Ixpress - therefore you'll now find that the default memory setting for Ixpress has increased to 685 MB.

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Ixpress changes

### Flash sync

The firmware now supports continuous flush. This is an alternative way to prepare for an exposure, which allows the back to react correctly on the

flash sync input connector and on exposure from the camera button on Hasselblad ELX, Hasselblad CW and Mamiya RZ67.

The function is enabled in the iexpress exposure menu. Since continuous flush uses a little more energy it will time out after some minutes. The time out can be changed in the Camera delays menu on the iexpress. If continuous flush is timed out it will wake up when a button on the iexpress is pressed or when the display contents is rotated or when an exposure is made.

To use flash sync the flash sync input connector on the back must be connected to the flash sync plug on the lens/camera.

### New camera models

Both Rollei 6008 AF, Mamiya RB and a generic Flash Sync setting has been added to the list of supported cameras. Please note that when using either Mamiya RB or the Flash Sync model you will only be able to trigger captures directly from the camera.

### Improved burst rate

When shooting in untethered mode we now have a much improved burst rate of appr. 2s/shot.

For further info please refer to the separate Iexpress release note.

### Grayscale ICC support

We now have full ICC support even when saving images in grayscale. To utilize this simply select the required embed and convert options, and if you've chosen convert you also need to select a grayscale output profile in the new menu provided for this. It's important to notice that you don't need to select a different input profile when in grayscale mode, internally we simply generate a suitable grayscale input profile based on the currently selected RGB input profile.

### Misc. changes

You can now toggle the gradation curve grid size by option clicking anywhere in the curve area.

The CMYK profile editor is no longer dependent on the chosen input profile, and we've also added the option to edit profiles based on 8 bit tables.

3f IPTC compatibility with the Cumulus image database has been improved. When writing of IPTC data has been enabled in Cumulus it exhibits a rather strange behavior - whenever you add a file to the database it will move IPTC data from the standard tag into an alternative tag, and delete the standard tag. When using previous version of FlexColor this would lead to a situation where the IPTC data seemed to be missing from a 3f file that had been

added to a Cumulus database. Now we'll look for the alternative tag if the standard tag is missing.

On the Flextight 343 we have fixed a problem that involved scan quality on very long scans.

Also with Flextight 646 an issue with scanning the last image in a 24x36x6 strip has been resolved.

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General new features

#### IPTC batch modify option

It is now possible to change IPTC info by using the Modify function in the thumbnails window. Byline and copyright are only updated if you actually enter data in these fields. When it comes to keywords you have the option of either adding to existing keywords or replacing with a new list of keywords.

#### Output size

You can now type in the desired size of your saved file. Previously the output size in MB was just an info field, it has now become editable and typing a value here will simply adjust the zoom percentage correspondingly.

#### Unit display in preferences

Whether sizes are displayed in cm or inches is now controlled by a preference - previously it was a part of the setup information. Therefore you will now find a checkbox in the preferences window that determines unit display.

New features for camera users

#### Detail view of unprocessed camera captures

You can now use the detail view even if the current image hasn't been processed yet. This enables you to inspect the final image quality immediately after capture. Be aware that for now this functionality is limited to single shot captures - multi and micro step shot will be supported in an upcoming update.

#### Overlay

It is now possible to add an overlay to the preview and live video windows to help with aligning your setup. To use this feature simply drag an image file into the preview or live video window. All the standard image file types like

TIFF, jpeg, gif, png etc can be used. Once in place you can click and drag the overlay image to align it correctly.

Display of the overlay is turned on and off using the grid button, since the overlay display simply replaces the grid. To get back to the normal grid mode you simply deselect the checkbox "Use overlay" which can now be found in the grid options dialog. You get to this dialog by option clicking the grid button.

Note: On OS9 you will see some flickering in the live video window, when using the overlay mode.

### Live video audio feedback

If you're running OS 10.2 or later you'll find a new button in the live video detail window. This will turn on audio feedback corresponding to the focus meter.

### Ixpress 96 support

This release introduces support for the new Ixpress 96 camera back. When an Ixpress device is connected you will get a new Ixpress 96 Contents window. Similar in layout to the thumbnails window it will show you the images stored in the Ixpress image bank. To work with these images they will need to be transferred to your current thumbnails folder. This can be done in a number of ways:

#### 1) Drag and drop

Simply select a number of thumbnails in the contents window and drag them to the thumbnails window.

#### 2) Show single image

Select a single image in the contents window and click the Show button. Immediately the thumbnail image will be shown in the preview window and a transfer of the selected image to your thumbnails folder will start. Double clicking the image or selecting and typing return will have the same effect.

#### 3) Load dialog

By clicking the Load button in the contents window you will get more control of the image transfer. The transfer popup menu will decide which images to transfer. You can select All, Approved or Selected only. Furthermore you have the option of renaming the transferred images. You also have an option to automatically delete the images from the bank after doing the transfer.

By default the contents window will show you only images that hasn't been transferred, but selecting the Include transferred option will enable you to see all stored images - in this case transferred images are marked with a small arrow in the upper left corner.

## Ixpress fixes and known issues

This version fixes a problem on OS 9 where loading images from the image bank would lead to "not enough memory" errors.

If you haven't previously used V 3.6b6 this version will update Ixpress firmware and fpga code to the latest version. Immediately after the update you may loose contact with the device - in this case you simply need to reselect it in the device window.

Please note that settings like camera model, exposure time and ISO are stored both in the Ixpress back and in the Mac. Currently you will see that the settings stored in the back are only used when the bank is not connected to the host. As soon as the bank is connected the settings on the Mac take over - even when shooting directly from the camera. A future update will ensure that the Mac settings are always synchronized to the back settings.

### Other fixes

Compared to version 3.5.1 the 2 most important fixes are the following:

#### Wrong colors on 4040 shots if they were not instantly processed

A faulty color correction would be applied to the processed image if you weren't shooting with the Process All option. Please note that unprocessing and reprocessing those images with this version of the software will repair the damage. Furthermore improvements have been made on the general 4040 colors.

#### Scan resize problems

When sizing consecutive scans to the same output size, but changing the input width or height it would lead to distorted images.

### Installation

Run the installer and simply select the default "Easy install" option. To ensure that extensions and ColorSync profiles get placed in the right location you'll need to run the installer when booted on the operating system you wish to use. Therefore if you need to run under both OS 9 and X you must install twice. The installed application however is exactly the same for both operating systems.

Please note that on OS X you must be logged in as a user with administration rights if you want to make a full install including ColorSync profiles!

## Memory usage

A major improvement in OS X is that the user no longer needs to worry about specifying how much memory an application should use. When running on 9 you still need to adjust memory according to which devices you need to work with. This should be done with the memory configuration dialog available in the preferences window.

## Compatibility

The software requires at least Mac OS 9.1. To run on OS X you must use V 10.1 or later. In general we highly recommend using Mac OS X with FlexColor. Many of the newest features are X only and in fact version 3.6 is planned to be our last OS 9.x compatible release.

The Ixpress and FlexFrame camera backs and all Flextight scanners except for the Flextight 4800 are supported.