

# White Paper

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August 2013

**Integrating the PENTAX 645D into a Capture One Workflow Environment**

**645D**



## 1 INTRODUCTION

The PENTAX 645D is the first digital medium-format camera developed by Ricoh Imaging. It is designed for versatile use and provides the exceptional quality required for commercial photography.

The 645D incorporates a large, high-performance, 40 megapixel CCD image sensor (33x44mm) approximately 1.7X times larger than that of 35mm-format models. Due to this large sensor, it provides superb image detail beyond your expectations and gives a boost to the creative aspirations of all photographers. It also features a rugged, weather-resistant construction, a large viewfinder and compatibility with legacy PENTAX 645 film lenses.

Thanks to its size, its maneuverability and outstanding reliability, outdoor photography is effortless and studio shooting is easy. The 645D is designed for professionals as well as advanced amateurs.

In this white paper I will show you step by step how to get Pentax Image Transmitter Software and Capture One Pro, the tool of choice for profession studio photographers, to work together on a Macintosh for tethered capture with the Pentax 645D. I will also recommend an alternative for those PC users out there.

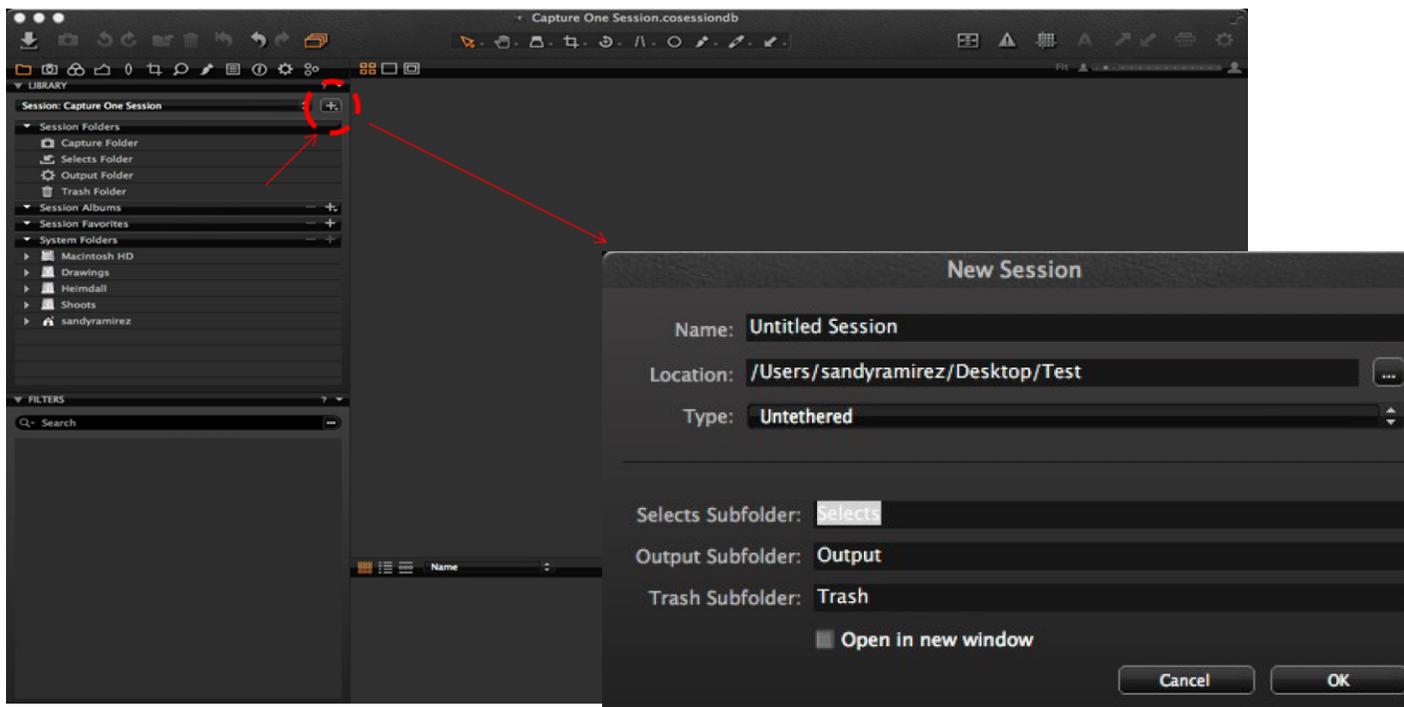
## 2 PROCESS

### Step 1

In the **Settings Menu** of the Camera, set **USB Connection** to **PTP** and connect to the Computer.

### Step 2

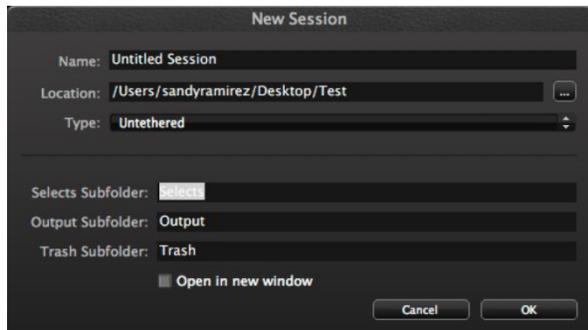
Start Capture One and Create a New Session.



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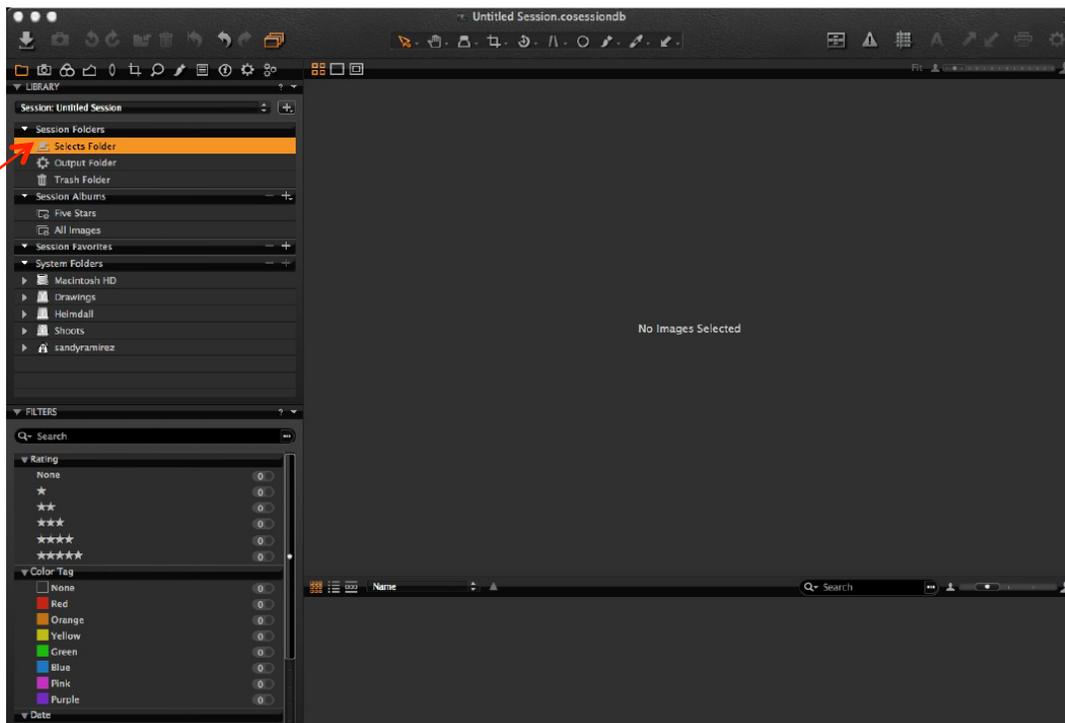
### Step 2

Proceed to Name your session (*default: Untitled Session*), choose the location folder where you'd like the data to be stored and select the Type of Session as "Untethered". On pressing OK, Capture One will create three subfolders "Selects", "Output", and "Trash" under the "Untitled Session" folder all placed in the "Test" folder.



### Step 3

Now proceed to highlight the "Selects" folder on the left side of the screen. This folder has now been turned into a "hot folder" waiting for data.



From this point anything that is shot to that folder will be treated by Capture One much as it were handling the communication with the Camera. The only thing you will not be able to do from Capture One in this mode is directly trigger or affect any setting changes on the Camera.

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### MAC SOLUTION

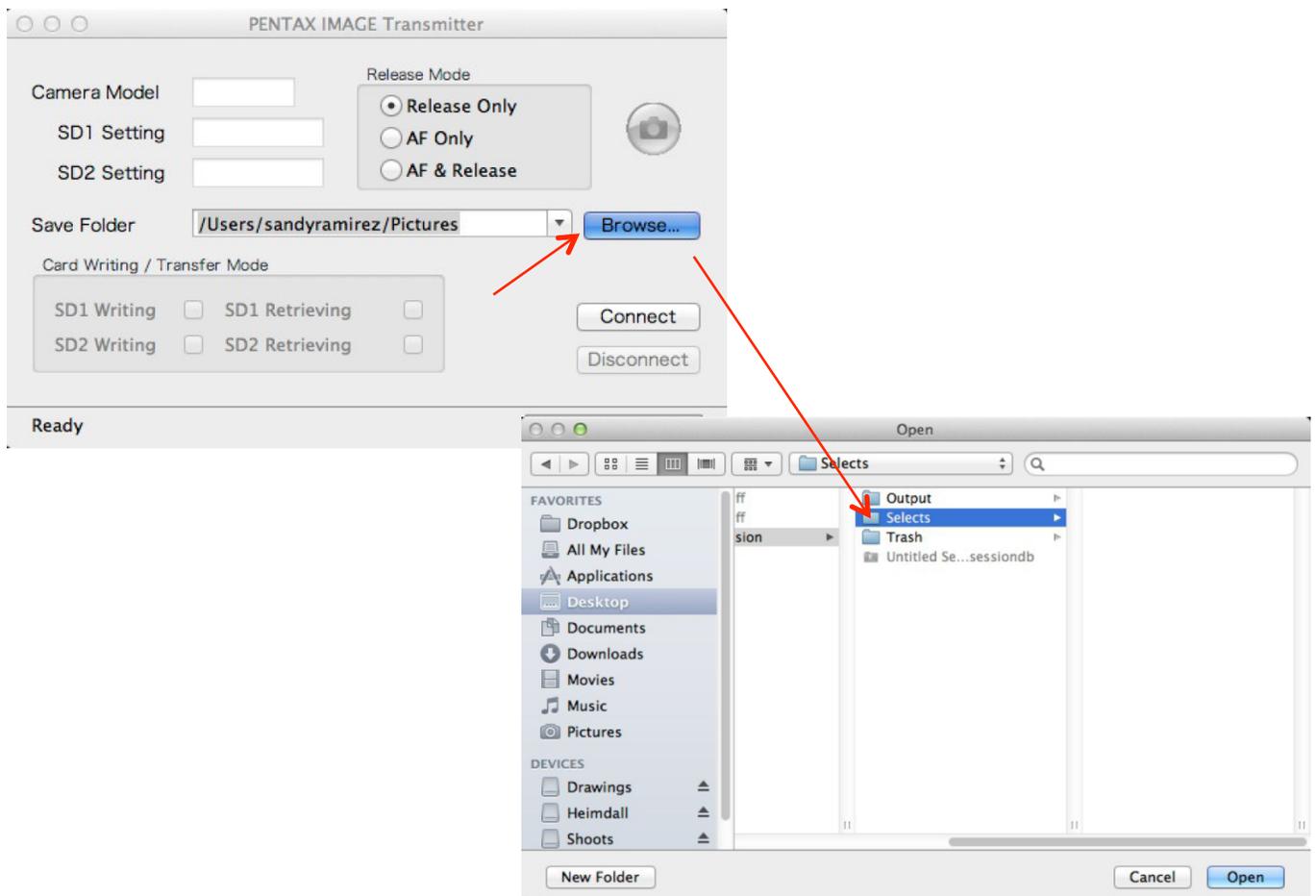
(PC refer page 5)

#### Step 4

Start Pentax Image Transmitter S-SW123 software.

#### Step 5

Click on the “Browse” button and direct the Transmitter software to the “Selects” sub-folder created by Capture One (*/Users/Sandyramirez/Desktop/Test/Untitled Session/Selects* in my case).



Once these steps are done, Capture One will begin previewing images as they are shot to the hard drive. You may even setup a “recipe” (recipe = RAW Conversion settings) to be applied automatically as you shoot.

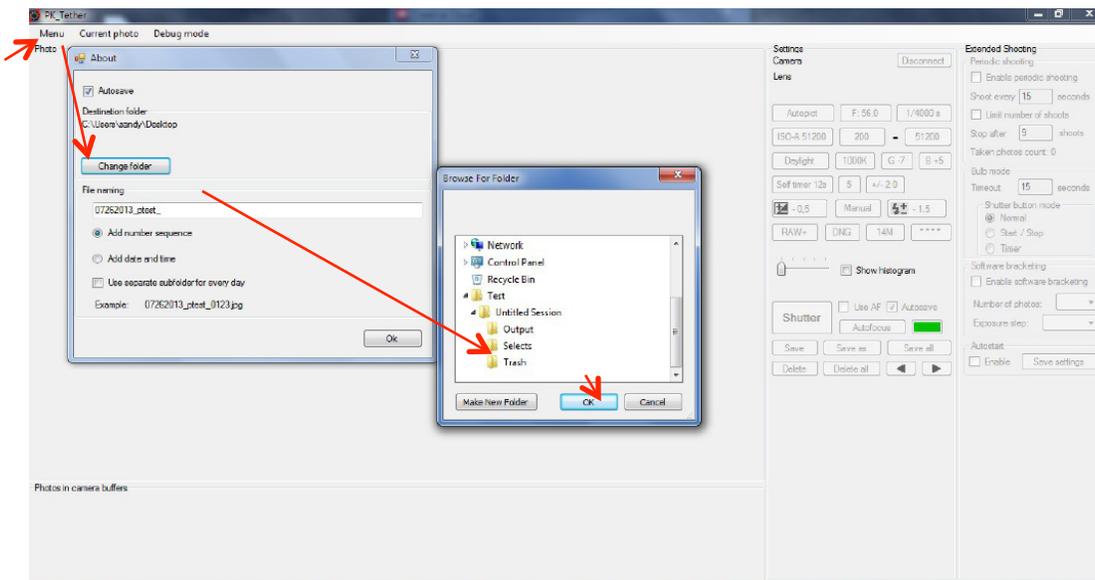
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## PC Solution

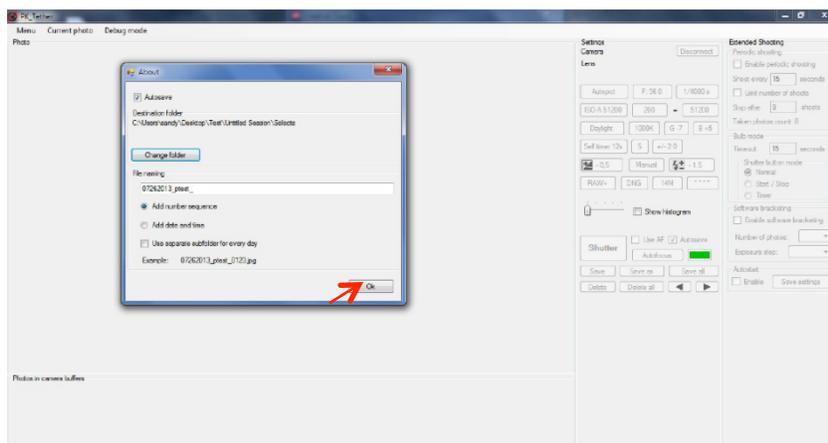
The Pentax Image Transmitter Software is currently a Mac only application. Since the vast majority of Medium Format users are Macintosh based, this shouldn't be much of an issue. However for that rare PC user there is a solution – A Free application called PK Tether (available at <http://pktether.com>) that will provide the same function. Of note is that while Pentax Image Transmitter software works only with the 645D, PK Tether works with many current Pentax DSLRs and has additional features.

### Step 4

Start PK Tether, click on “Menu” and then click on “Change Folder”. Browse to the “Selects” Folder that was created by Capture One.



Select the “Selects” folder by clicking ok



### **3 SUMMARY**

The material covered in this White Paper should now allow you to integrate the Pentax 645D into a Capture One Workflow Environment, and add to the plethora of other available features.

#### **About Ricoh Imaging Americas Corporation**

Ricoh Imaging Americas Corporation is a subsidiary of Ricoh Company Ltd., a global technology company specializing in office imaging equipment, production print solutions, document management systems and IT services. Headquartered in Tokyo, Ricoh Group operates in about 200 countries and regions.

The company now known as Ricoh Imaging Americas Corporation was originally founded in 1919, under the name Asahi Optical Joint Stock Co. and launched its first SLR camera in the 1950s under the PENTAX name. Today, Ricoh Imaging Americas Corporation continues to produce the heritage-rich, award-winning line of PENTAX DSLR cameras, lenses and sport optics equipment as well as Ricoh's offering of stylish and compact digital cameras, known for their wide-ranging, rich set of features.

#### **About the Author**

Sandy Ramirez is an experienced Commercial and Fashion photographer. His clients have included Lord & Taylors, Strawbridges, Loris Diran, Nary Manivong, Malan Breton, Dangerous Mathematicians, Momo Falana, IMG, and Bouley Restaurant.