

Photos and your iPad

Introduction

When you transfer photos to your iPad using the Lightning connection two things happen. Images are scaled down for screen presentation and the full size image is stored on your iPad. After your import is complete you'll be asked if you want to delete the photos on your card. Always choose **Keep** since you can clear your card on your camera which is the best way.

Apparently neither GoogleDrive nor DropBox will transfer Raw files from the iPad. A workaround is covered near the end of the document. Also, an App called Photo Transfer will do this as well as the Photoshop Elements Organizer and Adobe Lightroom.

The iPad does not have a meaningful file and folder system which makes it challenging to move things around. This document should make it easier for you to move photos back and forth between your iPad and PC.

My advice is to practice along with this document.

What accessories do you need

- Lightning Adaptor Camera Connection Kit for \$21.70 at <http://amzn.to/1TC9RZX>. You need this if you plan to import photos directly to your iPad using an SD card or USB cable.

Getting photos into your iPad

There are several ways to get photos into your iPad as follows:

1. Connect your **SD adaptor** to the Lightning connector and plug in your SD card. From here you can import all photos or just the selected ones. You can select a photo by tapping it. Start by tapping the **Import** icon on the lower right.
2. Connect your **USB to Lightning** connector and connect your camera using the USB cable supplied with your camera.
3. Take a photo with your iPad camera.
4. Use iTunes and have it sync with a folder of photos on your hard drive. You can build a folder including sub-folders and each sub-folder will be an album on your iPad. This requires that the iCloud Photo Library is turned. Go to Settings, iCloud, Photos and turn off iCloud Photo Library. If you turn this setting on, your photos will become available at www.icloud.com but you will no longer be able to sync your iPad photos using iTunes.
5. You can do a screen capture by pressing the Power button and Home button at the same time. Photos obtained this way are saved as PNG files which can be used as is in many situations or easily converted to JPGs in Photoshop Elements or similar program.
6. You can also get photos onto your iPad via email, DropBox or GoogleDrive. I tested GoogleDrive with Raw images and that works but there is no need to ever do this. Note – when you save email attached photos they go to your Camera Roll
7. You can photos in an email attachment. Just click the left-facing arrow at the top and choose Save Image. The photo will go into your camera roll. From here you can place it into an album.

Where do the photos go on your iPad?

The iPad has three main areas where it stores photos as follows:

- Albums – this is where photos show up when syncing with iTunes. Albums are unique to a specific device. You can also create new albums and copy photos from the Camera Roll to them. Here's how – go to your camera roll and select one or more photos by clicking Select at the upper right and tapping photos to select them. Next, tap Add To at the top. Scroll to an album to add photos to an existing album.

You can also scroll down to the bottom and tap New Album.

- Camera Roll – this is where photos show up when taken with the built-in camera or when you take a screen capture or save an attachment. The Camera Roll is unique to a specific device.
- Photo Stream – photos imported using the lightning connector, taken with the built-in camera or screen captures show up here which is basically everything except Albums. The Photo Stream is the same on all devices. Theoretically, deleting a photo from your Photo Stream on one device removes it from other devices.

Whereas the Camera Roll and Albums are permanent storage, unless you deliberately delete some photos, the Photo Stream retains photos for 30 days or until the number of photos exceeds 1000. This is temporary storage from where you can move or share the photos before they vanish into thin air.

Navigating your iPad's Photos

There are two important icons at the bottom of the Photos App namely Photos and Albums. The Photos icon basically shows you all of your photos in several ways including **Moments, Collections and Years**. To bring up **Moments**, just tap any photo from the **Collections** view. The **Albums** icon allows you to see several items including the **Camera Roll, Streams, Imports and Albums**. The albums will have names corresponding to the folder names used when syncing your PC to your iPad using iTunes.

Setting up your Photo Stream

On your iPad click Setting and click iCloud on the left. Next, click Photos on the right and turn on My Photo Stream and Photo Sharing. See the figure below.



Getting photos from your PC into your iPad

First, if you want to do this, turn off the iCloud Photos Library if it is on.

Prepare a folder of photos including sub-folders. Below is shown the contents of a folder called Photos which I can sync to my iPad using iTunes. Only the partial contents are shown.

Name / Ext	Size	Date	Time	Attr
↑..	DIR	2/14/2014	11:29:45 AM	
Africa	DIR	1/11/2012	8:03:26 PM	
Alaska 2010	DIR	1/11/2012	8:03:29 PM	
Alaska - Katmai Bears	DIR	1/11/2012	8:03:27 PM	
Antarctica	DIR	1/11/2012	8:03:30 PM	
Australia	DIR	1/11/2012	8:03:30 PM	
Ballons	DIR	10/12/2013	11:14:56 AM	
Balloon Festival	DIR	1/11/2012	8:03:30 PM	
Barstow	DIR	2/14/2014	11:53:45 AM	
Board	DIR	4/10/2013	4:29:53 PM	
Costa Rica	DIR	1/11/2012	8:03:46 PM	

I then open iTunes and connect my iPad. I select my iPad on the left as shown below.



I next select my photos folder called Photos using the box at the top as shown below.

Sync Photos from Photos 539 photos

All folders
 Selected folders
 Include videos

Folders

Africa
 Alaska - Katmai Bears
 Alaska 2010
 Antarctica
 Australia
 Ballons

I then click the Sync button at the bottom of iTunes. From now on, whenever I add or remove any folders and sync, the iPad photo albums will match the contents of the folder on my hard drive.

iTunes can only be used to import photos as described above and cannot access your Photo Stream or Camera Roll.

Transferring photos from your iPad to your PC

- When you connect your iPad to your PC it will show up under My Computer as shown below. Keep drilling down until you see a series of folders where your photos are contained. It's not very organized but it works. This does not include photos from your Albums. I don't recommend this method.



- Using DropBox – this is pretty automatic. All you have to do is open the App, click the Settings icon at the bottom and make sure **Camera Upload** is turned on. Now, anytime you take a photo it will be automatically placed under Photos in DropBox. If DropBox is installed on your PC or any other device the photos will show up there as long as there is a Wi-Fi connection.
- Using GoogleDrive – this is slightly different than DropBox. Start by opening GoogleDrive. Next select the folder and tap it to pick the destination for the photo(s). Next, click the plus (+) sign at the upper right and choose **Upload Photos or Videos or Use Camera** if that's what you want. You can now choose one or more photos from any source on your iPad. Tap the photos to select them and then tap the blue check.
- Adobe Lightroom can import all of your photos and videos from the **All Imported** folder including Raw images. Connect your iPad to your PC and open Lightroom. Next, click **Import Photos and Videos** and select your iPad at the upper left.

- Another way is to install the iCloud Control Panel for Windows from <http://support.apple.com/kb/dl1455>. This will transfer all photos in your **Photo Stream** to your PC. I don't recommend this method for several reasons. It causes one more program to run in the background on your PC and it is not very reliable and it's difficult to get a lot of support for this program from the Apple store since it runs on a PC.
- The Photoshop Elements Organizer will do this also including Raw files. Click Import from Camera and Card Reader and select your iPad in the Devices drop down. Next, click the Advanced Dialog in the lower left. This includes any videos also.
- Using OneDrive – read the information [here](#) and [here](#). Note – all photos backed up to OneDrive are available on line and on your device – but not on your PC. You can, however, download them to your PC from your online account.
- Use a program called Syncios. See the details under Utilities.
- Also see the section below on Utilities.

Deleting Photos

Deleting photos from your Photo Stream or Camera Roll

To delete one or more photos click the **Select** at the upper right and tap the photos you wish to delete. Once they're checked tap the trashcan in the upper left. Remember, you can always cancel.

This is something you will probably never use but here goes. You can empty your entire Photo Stream by turning this feature off in Settings. Your photos will come right back if you turn it on again.

Deleting an Album or removing photos from an Album

Make appropriate changes to your Desktop folder of photos and re-sync with iTunes. Or, if you have albums that you have created, you can delete photos from the iPad.

What is stored on your online iCloud?

You can go to your iCloud account by going to www.icloud.com and entering your Apple ID. Just about everything is stored there but your photos are not visible unless you turn on iCloud Photo Library.

Backing up your Photos

- Tap Settings, iCloud, Backup and turn on iCloud Backup if it's off.

Accessing your iPad from your PC

When you connect your iPad with a USB connection to your PC a wizard should open allowing you to view the files and folders on your iPad. Don't get excited, you can only see the Camera Roll folder. From here you can transfer photos to your PC. You can also tell from this screen how full your iPad is as you can also tell in iTunes.

Change iPad Wallpaper (Home Screen)

There are several ways but the easiest one is to tap Settings, Wallpapers and Brightness. Tap a photo on the right to bring up a window where you can select any photo you wish.

A second way allows you to set a picture as Wallpaper, your Lock Screen or both. Here's how:

- Open a selection of photos
- Use the Select icon at the upper right to start a selection
- Tap the photo you want to use
- Tap the icon to the left of the Trash Can with the up arrow
- Choose **Use as Wallpaper**
- In the windows that open you can Move and Scale the photo and choose it as Lock Screen, Home Screen or cancel.

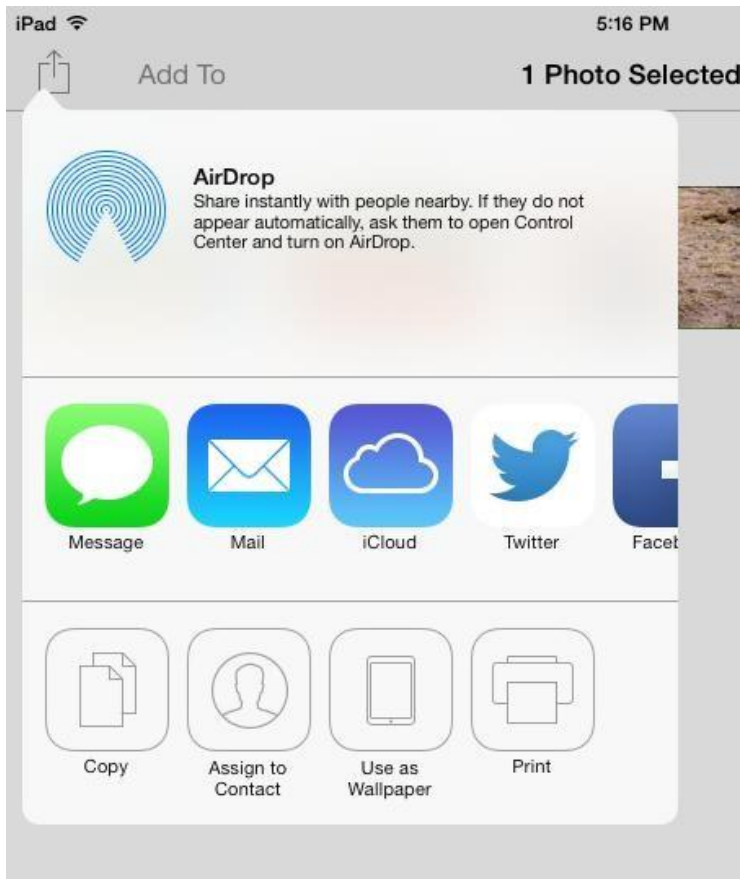
Best iPad utilities

1. The Snapseed App is awesome for editing your photos and it's free.
2. The Photo Transfer App will help transfer photos including Raw images to your PC using Wi-Fi. A companion to the Photo Transfer App is a Desktop client available at <http://phototransferapp.com/desktop/> but the Browser method is much better. I bought this App for \$2.99 and it easily transfers JPGs or Raw images to my PC. Just start the App on your PC and it will tell you what to enter as a browser address. It will be similar to 192.168.1.4:8080.
3. Syncios is free and one of the best programs for managing photos on iOS devices. It's available for free at <http://www.syncios.com/features.html>. You do not need the Pro version although it offers some great tools for \$19.95. To read more about Syncios go to <http://bit.ly/synciosfree>.

Other tasks you can do with your photos

Open the Photos App and locate the photo you want to use. Click Select in the upper right. Tap the Photo you want to use and tap the icon to the left of the Trash Can to get the window shown below.

From here you can carry out a number of tasks including emailing one or more images.



Easy examples for practicing

Taking a photo with your iPad and emailing it

1. Take a photo with your iPad
2. Go to your Camera Roll
3. Tap Select in the upper right and tap your photo(s) to select it
4. Tap the icon with the up arrow on the left
5. Tap the Email icon to send it

Using your iPad on a trip

1. Take photos
2. Connect camera or SD card connection kit to iPad and import photos
3. Return home and transfer photos to PC using My Computer, PS Elements Organizer or Syncios.
4. Delete photos from iPad (optional). You can use My Computer for this

Quickly add photos to your iPad

1. Drag several photos into your GoogleDrive folder on your PC
2. Open the GoogleDrive App on your iPad
3. Locate the photo on your iPad and tap it to open it
4. Tap the 3 dots in the upper right and tap **Save to Camera Roll**

Import photos taken with your digital camera to your iPad and show them off

1. Take photos with your digital camera
2. Import them to your iPad using a camera connection kit
3. Start showing them to friends

Transfer photos from your PC and show them to others

1. Prepare a folder of photos on your PC (or even sub-folders by location or subject)
2. Connect your iPad to your PC
3. Use iTunes to sync your photos with your iPad

Reduce your Camera Roll backup

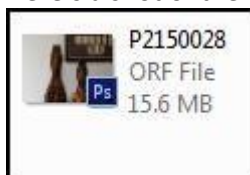
To check the amount of storage iCloud uses to back up your iOS device Camera Roll, go to Settings > iCloud > Storage & Backup, then tap Manage Storage. Tap the name of your iOS device, and then look below Camera Roll in the Backup Options list.

To reduce the size of your Camera Roll backup, you can delete photos or videos from the Camera Roll on your iOS device. You can also import photos from your Camera Roll to your computer, and then delete them from your Camera Roll.

Using your iPad as a backup device

If you're out taking photos or traveling, you can transfer your photos to your iPad using a SD Card Adapter or USB to Lightning Adaptor. They will remain on your iPad until you're safely home or – if you're near Wi-Fi, they will be copied to your Photo Stream.

If you are shooting Raw images and have transferred them to your iPad, when you connect your iPad to your PC and use My Computer to access the folders, you will find separate folders containing the JPG and Raw photos. Here's a shot of the folder containing a single Raw image.



Tips

- The Photo Transfer App can transfer JPGs and Raw images to your PC
- It appears that you cannot email Raw images from your iPad
- Photo Stream does not support Raw images
- Adobe Lightroom and Photoshop Elements Organizer can easily import photos to your PC
- Remember, when you're viewing photos on your iPad you can't tell if they are Raw images.
- iTunes only shows your Photo Albums and excludes Camera Roll, Photo Stream and Imports.
- Use OneDrive instead of iCloud for Photo backup if you have run out of iCloud free storage. Now, to get the 15GB of free storage, you will have to sign up for a free OneDrive account, and activate the auto

upload feature from the camera-roll. Once that is done, you should see an increase in storage right off the bat.

- In your Photos app look for **Recently Deleted** under Albums. From here you can Restore or Permanently delete photos.

Summary

- Camera Roll
 - Photos from Camera and Screen Shots
- My Photo Stream (if turned on)
 - Camera from all devices
 - Screen Shots from all devices
- Albums
 - From syncing folders on your PC with iTunes
 - From creating new albums
- Connect to PC via USB
 - Only Camera roll is visible
- Photo Stream
 - Retains for 30 days or 1000 photos
 - Counted against iCloud quota
 - Contains photos you impart, from your camera or screen shots
 - Videos up to 5 minutes
 - 5 GB limit

What happens when you snap a photo?

- It shows up in your Photos App under Camera Roll and My Photo Stream
- It shows up on your desktop PC in a folder called My Photo Stream assuming that you have iCloud installed.