

**Sun City Summerlin Computer Club**  
**Seminar**

**Android**  
**File Management & Sharing**

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**December 27<sup>th</sup>, 2018**

# Agenda

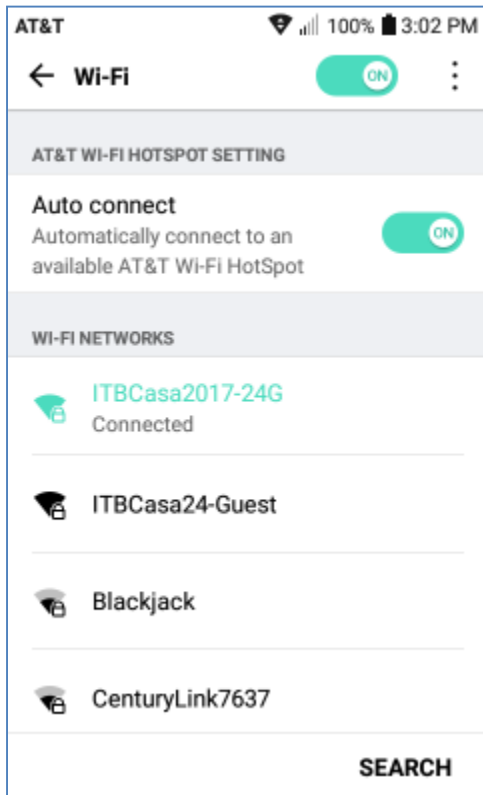


- **Android Networking Overview**
- **Connecting to a WiFi Router**
- **Getting Android Apps**
- **File Management Apps / Demo**
- **File Sharing to/from the Cloud**
- **File Sharing to a PC or Mac – USB cable**
- **Android Peer to Peer Sharing - Bluetooth**
- **Android Peer to Peer Sharing - WiFi**
- **Getting Android Help**

# Android Networking Overview

- **Four common networking technologies:**
  - **WiFi** (802.11n or 802.11ac) – either to a WiFi router or direct peer-to-peer (hot spot or WiFi direct), distance: up to 300 feet, speed: up to 300 Mbits/sec. Fast connection to Internet and Cloud services.
  - **Bluetooth** (802.15) – device to device, speed: about 1 Mbits/sec, distance: 33 feet. Handing for pairing to headsets, car radio, printers, speakers.
  - **Cellular Data** (3G / 4G) – device to carrier's network to Internet, speed: up to 20 Mbits (LTE), distance: several miles. Useful when away from a WiFi router.
  - **NFC** (near field communications) – device to device, distance: 1.5 inches, speed: up to 424Kbits. Used for cardless payments. Not all smart phones support it.

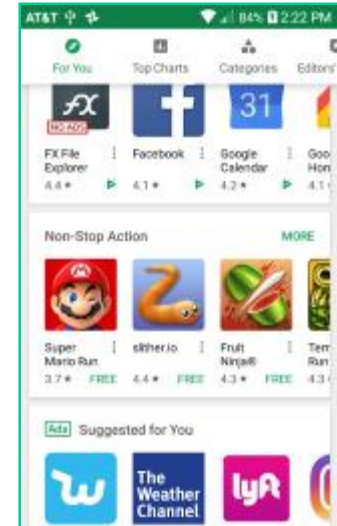
# Connecting to a WiFi Router



- Your Android device includes chips and radios that allow it to connect to a WiFi (802.11) Router
  - You will need to know the network's **security password** unless it is an open, unsecured network.
  - To start, tap your way to: **Settings>Network>WiFi**.
  - A list of available WiFi connections will be displayed.
  - Tap the desired connection.
  - A pop-up window will appear requesting the network security password. Tap the **"Show password"** checkbox to make it easier to enter the password correctly. Type the password.
  - Finally tap the **Connect** item to complete the connection.
- Once connected, you can use that Internet connection for web-surfing, e-mail, getting Apps and streaming music or videos without using minutes from your phone carrier's data plan.
- Your Android device will remember the new connection for future occasions and will even automatically reconnect when you are in range of that router.
- You can tap an existing saved connection and tell Android to **"Forget"** it, if it is no longer needed.

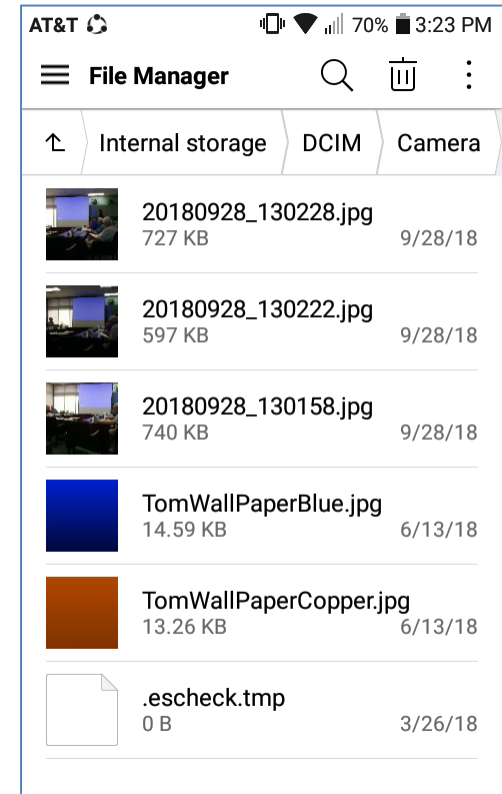
# Getting Android Apps

- **Getting Android Apps - Google Play Store**
  - Easier to search the Play Store on your PC or Mac first, then use the Google Play App on your device to download and install.
  - <https://play.google.com/store/apps?hl=en>
  - Apps in the Play Store are verified to be free of malware. This system is pretty solid.
  - On your device, tap the Play Store icon to launch the App. It will connect to the Play Store in the cloud.
  - Use the search or browse the categories to locate the App you want to install.
  - Tap the desired App's image. That will open a popup with some details and the choice to Install or Cancel.
  - If the App is not free, you will have to confirm payment.
  - Tap the Install choice and the App will download and install on your device. An icon will be added to your home screen.



# Android File Management Apps

- **File Manager is built-in (most devices)**
  - Plain, but good tool for browsing your files.
  - Create folders.
  - Copy or Move files & folders.
  - Rename files.
  - Delete files.
  - “Play” media files (pictures, music, videos).
- **A Few Alternate File Manager Apps**
  - <https://fossbytes.com/best-android-file-manager-explorer-apps/>
  - ES File Explorer (Local, Cloud & LAN)
  - ASTRO File Manager (no ads)
  - Total Commander (no ads)

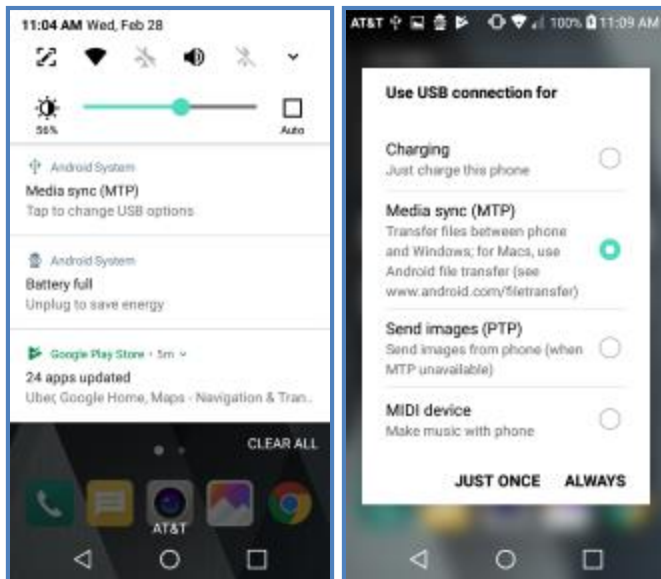


# Android File Sharing To / From the Cloud

- Your Android Phone or Tablet can take photos, play videos and music and even display and edit documents.
  - So how do you move various file types to/from your tablet to your PC?
- You can use “Google Drive” to copy files (via WiFi router) between your device and the Google Drive cloud.
  - Google Drive 15 GB storage limit (with exceptions).
  - If your Android device is connected to your Google account, it will *automatically* sync photos and videos you take to your Google Drive storage space on Google’s “cloud” servers.
  - Will also sync from your Google Drive cloud storage to your PC and other devices that have Google Drive or Google Backup and Sync installed.
  - Can be a bit slow if you have a lot of large images.
- Other Cloud Storage Services Supported via Apps
  - <https://www.cloudwards.net/best-cloud-storage-for-android/>
  - MS OneDrive                      SugarSync                      PCloud
  - IDrive                                  Dropbox                      Sync.com

# File Sharing To / From Your Mac or PC

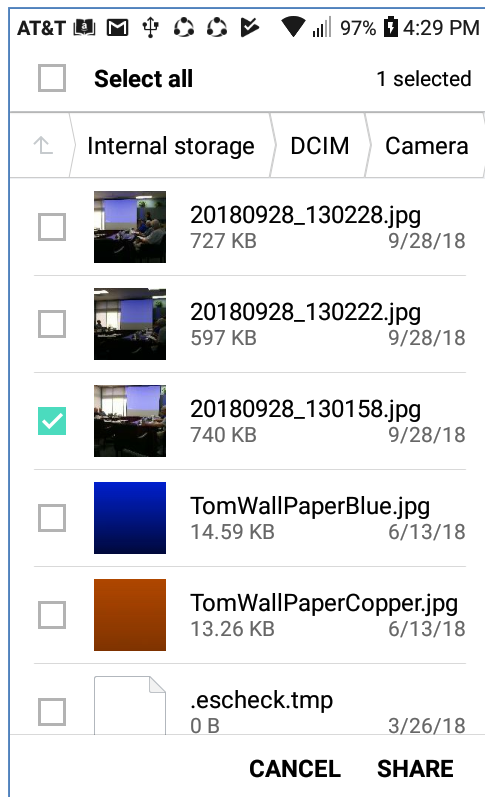
Via a USB cable, You can plug your device into a USB port on your Mac or PC.



- After your device is plugged in, you may need to change it from charging to “data” mode.
- Swipe down from top and then tap the “Change USB options” band.
- In the screen that appears, tap the bubble for “Media Sync (MTP). Finally tap either JUST ONCE or ALWAYS.
- Windows will detect the device and open a File Explorer window displaying the device’s file system.
- You can use normal Windows actions to copy files back and forth, delete files, rename – all the usual things.
- This works well for large files like videos and music.

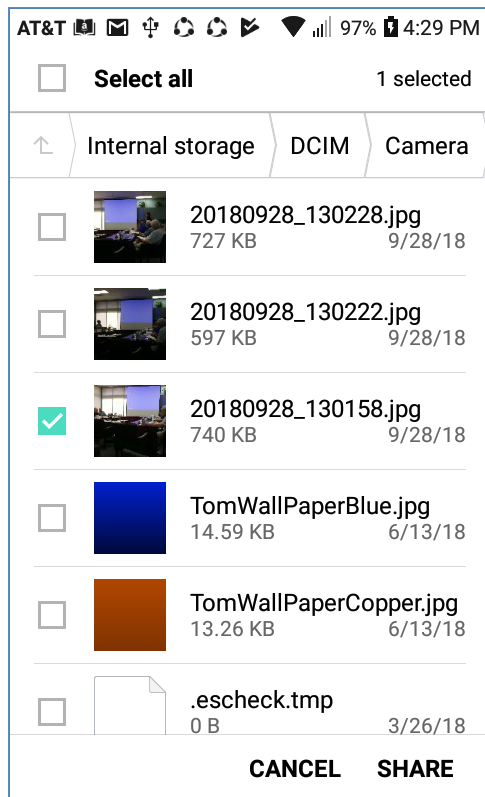


# Android Peer to Peer Sharing – Bluetooth (1)



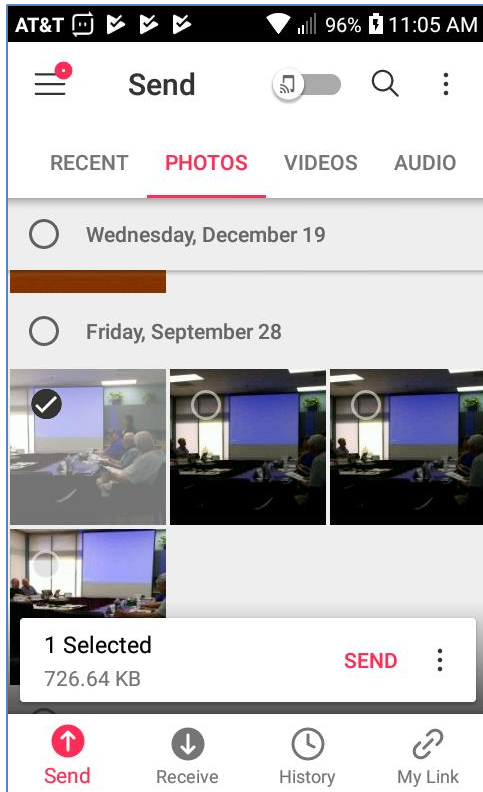
- **Bluetooth is much slower than WiFi, but you can share files & contacts without needing any special Apps.**
- **Both the sender and receiver must be unlocked and have Bluetooth turned on (Settings).**
- **Then each must go to Settings > Networks > Bluetooth and wait for the scan of available devices.**
- **Then the sender selects (checks) the receiver's device and taps the Pair button.**
- **After a few seconds, the two devices will be paired.**
- **The sender can now select files or contacts to be sent to the receiver (see next slide).**
- **The receiver can also act as a sender. The connection is symmetric.**

# Android Peer to Peer Sharing – Bluetooth (2)



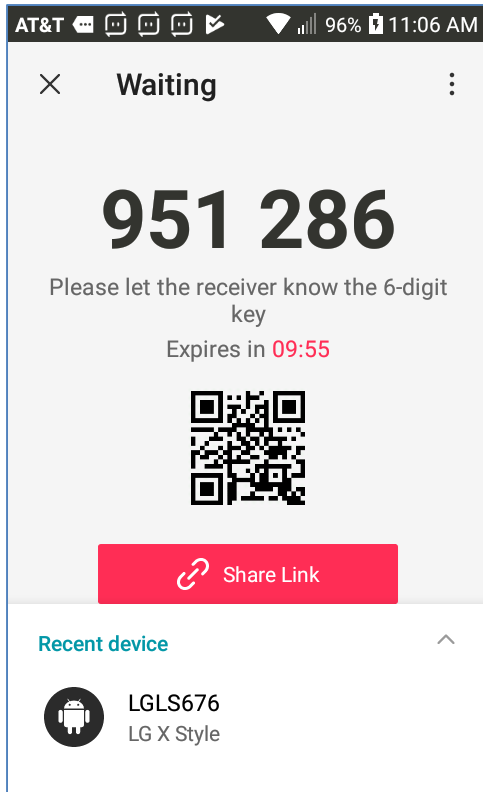
- The sender uses the device's built-in File Manager or the Contacts App to locate file(s) to be shared. Tap the 3-dot menu icon and select Share. Checkboxes will appear next to the files or Contacts shown in the folder.
- Check the desired items and then tap the Share button in the lower right. From the pop-up menu, choose Bluetooth.
- A selection list will appear. Tap the receiver's entry. The file or Contact will be sent.
- The receiver will get a popup notice of the file / Contact being sent. Tap either Accept or Decline.
- A file will be placed in the receiver's Downloads folder. From there the receiver can use the File Manager to move it to another folder.
- Contacts are sent as .vcf (VCard) files to the Downloads folder. Once there, they can be tapped and added to the receiver's Contacts.

# Android Peer to Peer Sharing – WiFi (1)



- You can directly connect two Android devices via WiFi. Best to use an App. **Send Anywhere** worked; other Apps (SHAREit, Xender, Zappy) wouldn't connect.
  - <https://send-anywhere.com/file-transfer>
  - <https://fossbytes.com/best-file-sharing-apps-android/>
- Install the Send Anywhere App on both devices to enable sending and receiving of various types of files and contacts. Caution - has ads.
- **Both** sending and receiving devices must be unlocked, have WiFi enabled and be running Send Anywhere .
- In Send Anywhere, the sender browses and selects the files or contacts to be sent and then taps Send.
- The sender's Send Anywhere then displays a 6-digit code that the receiver must enter (See next slide).

# Android Peer to Peer Sharing – WiFi (2)



- In Send Anywhere, the receiver taps Receive and then waits. When prompted, the receiver enters the 6-digit code generated by sender.
- As soon as the receiver enters the code, the file transfer is performed.
- When the transfer is complete, both sender's and receiver's screens display a log of what was transferred.
- The transferred files land in the receiver's Send Anywhere folder.
- Send Anywhere also has versions for Windows, MacOS and Linux, plus a Cloud option.
- There's also a paid "Pro" version.

# Getting Android Help



- **Online Tutorials, Reviews and Articles**
  - YouTube videos ... search for your phone make / model / Android version
  - Vendor on-line help forums, videos, user guides
  - General Google Search (good for trouble-shooting)
- **Computer Club Sessions and Material**
  - Stu Gershon (Smart Phone SIG) – occasional
  - Susan Heifetz (Android Q&A) – most months
  - Glenn Latta and Tom Burt's presentations in Android section of smnr area: [www.scscclclub/smnr](http://www.scscclclub/smnr)
  - Tom Burt's articles in Gigabyte Gazette – occasional

# Questions and Answers