File Management & Transfer on Bird Hawk-Series Instruments

*Bird's Hawk-series instruments — **SiteHawk** cable & antenna analyzers, **SignalHawk** spectrum analyzers, and the **GenHawk** signal generator — combine a purpose-built RF module with an Android™ front-end. To guarantee long-term stability, each unit ships with a fixed Android build that is matched to its hardware; updating or factory-resetting the OS can break RF-module communications and is therefore unsupported. When newer display hardware forces Bird to adopt a later Android version in production, the accompanying Bird apps are fully regression-tested so legacy units can run the same updates without requiring new hardware.*

The USB-C port on the Hawks is primarily used for connection to the RF module and file transfers are only officially supported only via Bluetooth® or a USB flash drive. Direct USB-C connections to a PC may appear to work in some cases but are not validated and can impair RF-module connectivity. Over the product's lifecycle Bird has deployed three different Android file-manager apps; their core functions are identical, but the menus and icons vary enough to cause confusion.

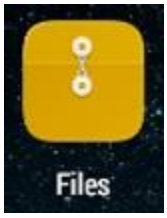
This guide consolidates everything you need to know about moving data on Hawk-series devices—selecting internal vs. external storage, copying or cutting files, and sharing files over Bluetooth—regardless of which file-manager interface your unit employs. Keep it handy and reference it in other documents to avoid re-explaining the transfer process each time.

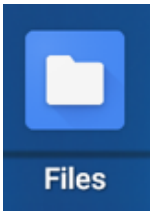
Navigation Bar

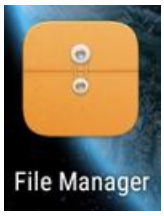
Each device will have a navigation bar on the bottom of the screen. This is native to the Android operating system and may look different depending on the version of Android running on your device. Despite the difference in appearance, these bars all have the same components and operate the same way. On the left is the Back button often represented as a return arrow or a left pointing triangle. This button can be used to navigate back to the last screen. In the center is the home button and is illustrated as a house or a circle. The square button on the right is used to close or switch between active applications.

File Manager

To access your file manager, you will first need to go to the home page. You can always access the home page by pressing the home button on the navigation panel. Your file manager can be accessed with one of the following application icons.





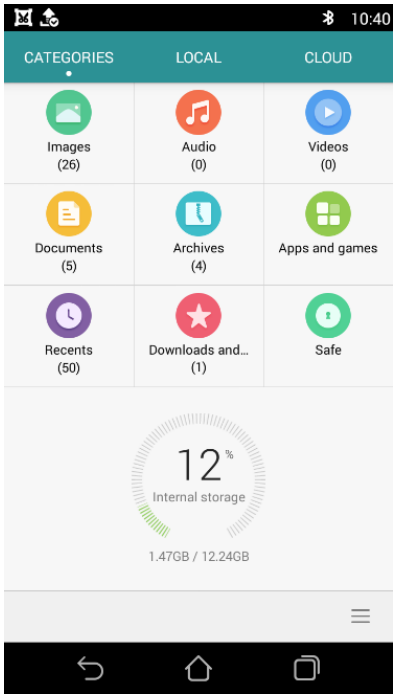


All these file managers serve the same functions, but have variations in menu layout and navigation. These instructions will explain how to navigate between internal and external storage, as well as how to copy and paste files.

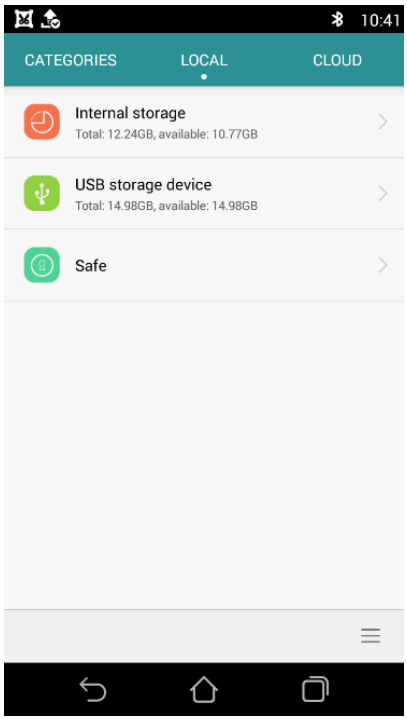
Bird is not responsible for omissions or errors. Specifications subject to change without notice.

Option 1

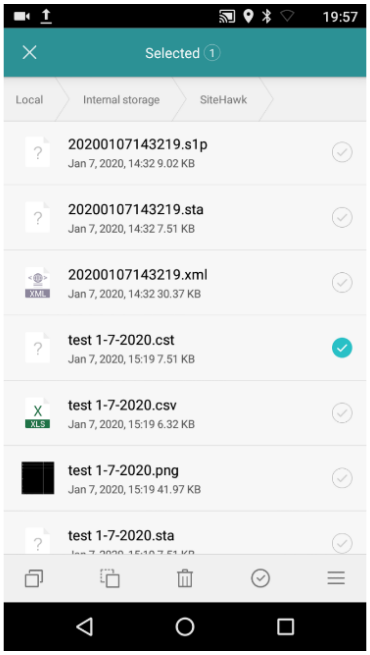
If your file manager looks like this, you will need to select Local to view your file storage locations.



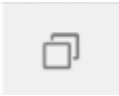
If your USB thumb drive is plugged in you will see both "Internal Storage" and "USB Storage device" as options. Select the appropriate drive to access your files.



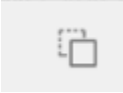
When press and hold on a file, a check mark appear on the right side of the screen. You can select multiple files by selecting the check mark on the desired files.



After selecting your files, you will see this menu bar.

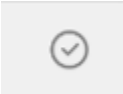


Copy: Used to copy a file to a different file location.

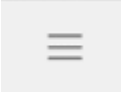


Cut: Used to move a file to a different file location.

Delete: Used to delete a file.



Select All: Used to select all files in the current folder.



Menu: Used to change file names or share files via Bluetooth.

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After copying a file, the menu bar will change giving you the following options.

New Folder: Create a new sub folder in the current folder.

Cancel: Cancel the copy or cut operation

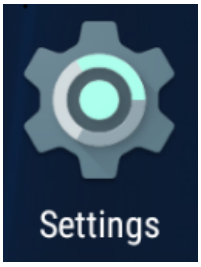
Paste: Paste the cut or copied file to the current folder.

Copy or move files

To copy and paste files, select the file or files you want to copy, then press the copy button and navigate to the file location where you would like to copy the file to. Use the Paste button to save your file in the new location.

Share files via Bluetooth

To share a file via Bluetooth you must first pair the device to the device you would like to share files with. To pair a new device, navigate to the home screen and view all installed applications. Then select the settings application.



Then enter the Bluetooth menu and ensure it is turned on.

Select the device you would like to pair with and follow the instructions on your screen. The user is responsible for knowing the connection procedure on the device they are connecting to.

Once you have your device paired and the receiving device is prepared to receive files, navigate to, and select the file you would like to transfer. Then select the Menu button and select Share, and then Bluetooth. Select your device to start the file transfer.

Option 2 starts on next page.

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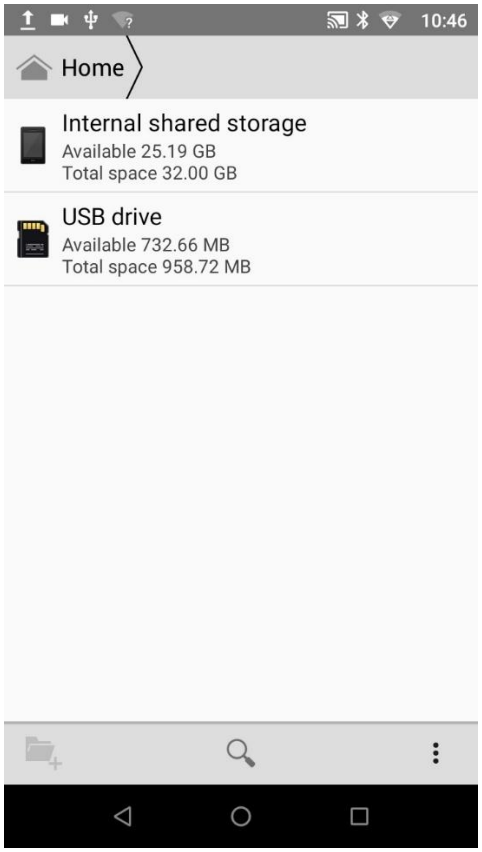
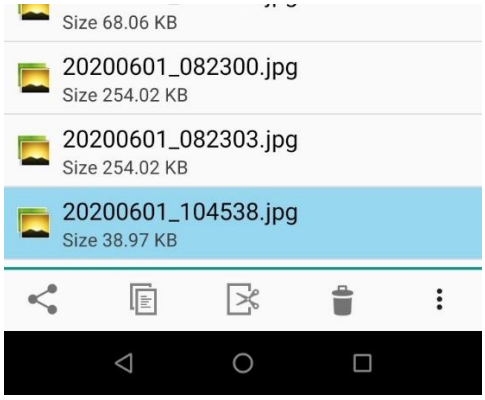
Option 2

If your file manager looks like this, you will have access to your device's storage locations. If your USB thumb drive is plugged in you will see both "Internal shared Storage" and "USB Drive" as options. Select the appropriate drive to access your files.



When you long press on a file, the file will be highlighted blue. You can select multiple files by pressing on the files you would like to select.



After selecting one or more files, you will see the following menu bar appear.

Share: Used to send files via Bluetooth.

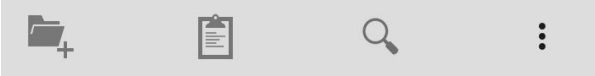
Copy: Used to copy a file to a different file location.

Cut: Used to move a file to a different file location.

Delete: Used to delete a file.

Menu: Used to change file names or view file details.

After copying a file, the menu bar will change giving you the following options.



New Folder: Create a new sub folder in the current folder.

Paste: Paste the cut or copied file to the current folder.

Search: Used to search for a known file.

Menu: Used to sort files.

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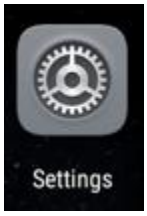
Copy or move files

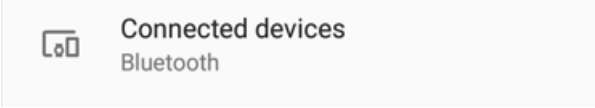
To copy and paste files, select the file or files you want to copy, then press the copy button and navigate to the file location where you would like to copy the file to. Use the Paste button to save your file in the new location.

Share files via Bluetooth

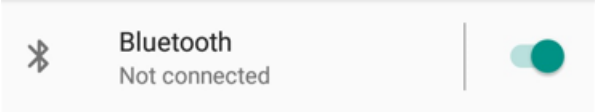
To share a file via Bluetooth you must first pair the device to the device you would like to share files with. To pair a new device, navigate to the home screen and select the settings application.



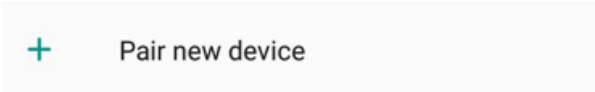
In settings select Connected devices



Then select Bluetooth and ensure it is turned on.



Select Pair new device, select your device, and then follow the instructions on your screen. The user is responsible for knowing the connection procedure on the device they are connecting to.



Once you have your device paired and the receiving device is prepared to receive files, navigate to, and select the file you would like to transfer. Select the share button and select the device you would like to send the file to.

Option 3 starts on next page.

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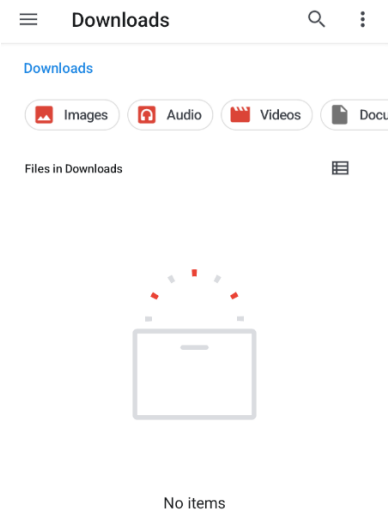
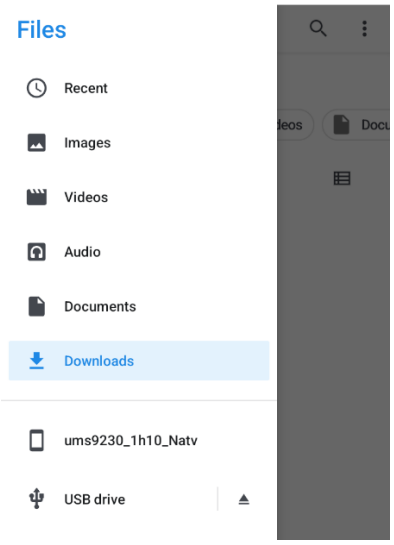
Option 3

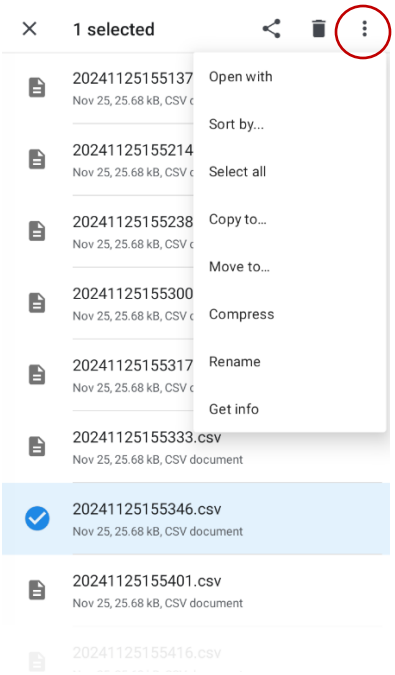
If your file manager looks like this, you will need to select the menu on the top left to view your file storage locations.



You will see a long alphanumeric device ID next to a phone icon. This is your device's internal storage. If your USB thumb drive is plugged in you will see "USB drive" as well. Select the appropriate drive to access your files.



When you long press on a file, you will see a check mark appear on the left side of the screen. You can select multiple files by selecting additional files.



Selecting the menu in the top right corner of the screen will open the following options.

Open With: Used to open a file with a specific application.

Sort by…: Used to sort the files in the current folder.

Select all: Used to select all the files in the current folder.

Copy to…: Used to copy the selected file or files to a different folder.

Move to…: Used to move the selected file or files to a different folder.

Compress: Used to compress a file in a new zip folder.

Rename: Used to rename selected file.

Get info: Used to see more information about the selected file.

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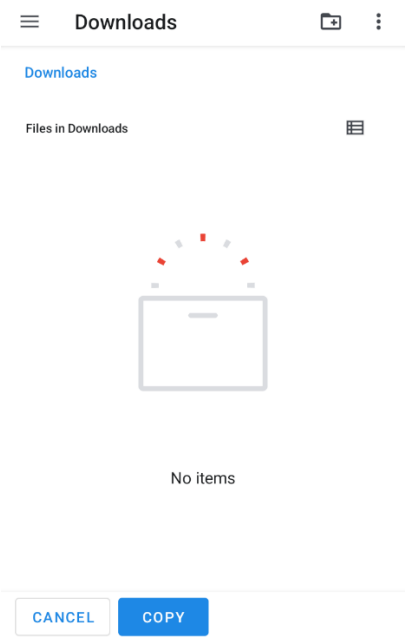
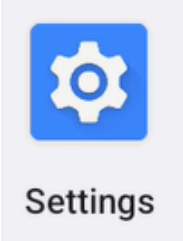
Copy or move files

To copy and paste or move a file, select the file or files you would like to copy or move. Then press the menu button in the top right corner and select either Copy to or Move to. You will automatically be taken back to the download page with a cancel and a copy or move button above the navigation bar. Navigate to your desired file location using the menu button in the top left corner. When you are in your desired folder, press the Copy or Move button to save the file in your current location.

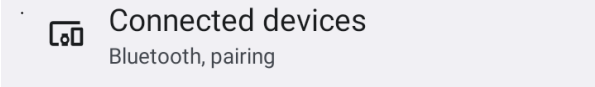


Share files via Bluetooth

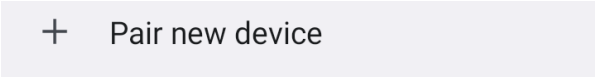
To share a file via Bluetooth you must first pair the device to the device you would like to share files with. To pair a new device, navigate to the home screen and view all installed applications by swiping up on the screen. Then select the settings application.



In settings select Connected devices.



Select Pair new device, select your device, and then follow the instructions on your screen. The user is responsible for knowing the connection procedure on the device they are connecting to.



Once you have your device paired and the receiving device is prepared to receive files, navigate to, and select the file you would like to transfer. Select the share button at the top of the screen and select Bluetooth. Then select your device to start the transfer.

Closing

If you experience any issues with these instructions or need additional support, please reach out to Bird Technical Support.

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