

# Tactical Network Trainer (TNT) S/FTP APP





# TNT S/FTP App Overview

The Tactical Network Trainer Secure FTP APP provides users the ability to upload, download, and manage data (and directories) on a secure (SFTP) server.



# TNT Table of Contents

Before We Begin.....	1
Connect to the TNT Device .....	2
Install the TNT S/FTP Application .....	3
TNT S/FTP Log In.....	4
TNT S/FTP Main Menu .....	6
TNT S/FTP Upload .....	7
TNT S/FTP Upload Demonstration .....	8
TNT S/FTP Manage .....	13
TNT S/FTP Manage Demonstration – Overview.....	14
TNT S/FTP Manage Demonstration – Create New Folder .....	15
TNT S/FTP Manage Demonstration – Move File .....	16
TNT S/FTP Manage Demonstration – Rename File/Folder .....	18
TNT S/FTP Download .....	20
TNT S/FTP Download Demonstration .....	21



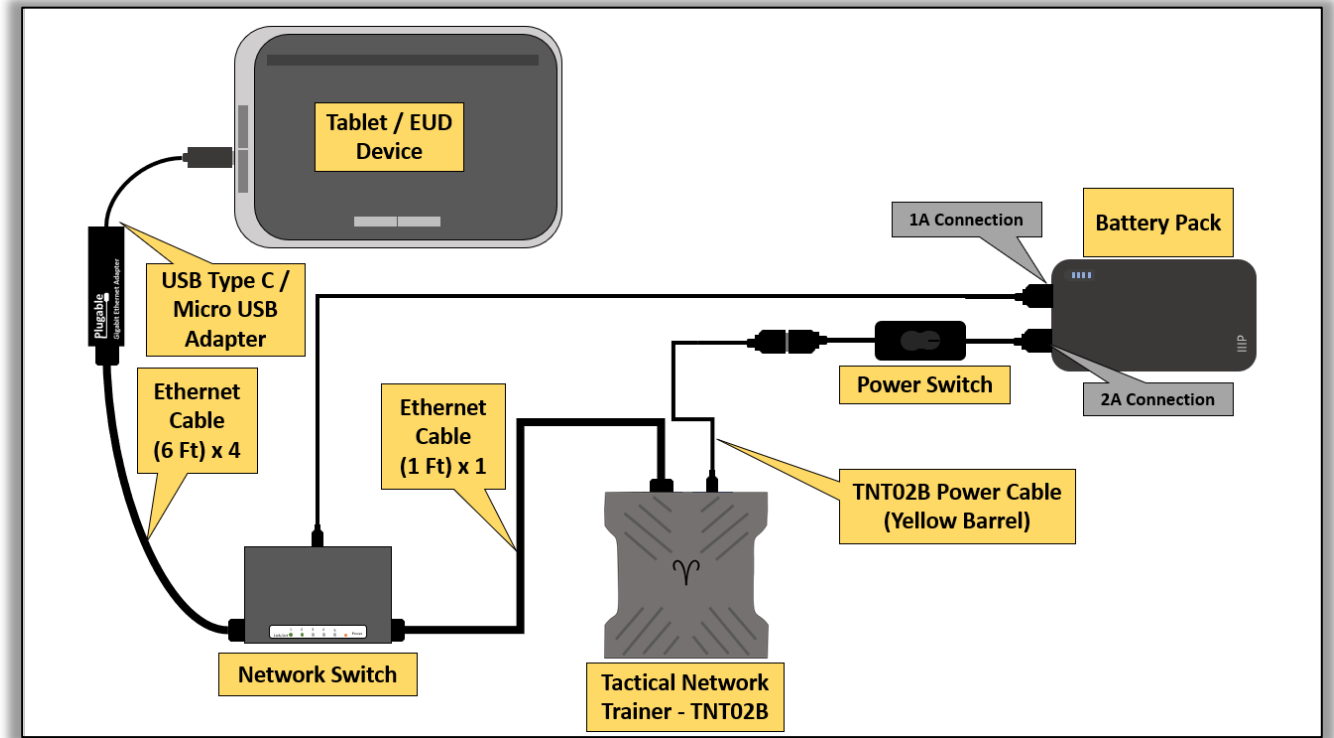
# Before We Begin

This document makes the following assumptions:

- You have an Android based End User Device (EUD). This document will walk through the installation process of the TNT S/FTP app.
- You have access to and are connected to a Tactical Network Trainer Device:
  - TNT-01A
  - TNT-01B
  - TNT-02B
  - TNT-Co
- This document will utilize a TNT-02B Model and corresponding application.



# Connect to TNT Device



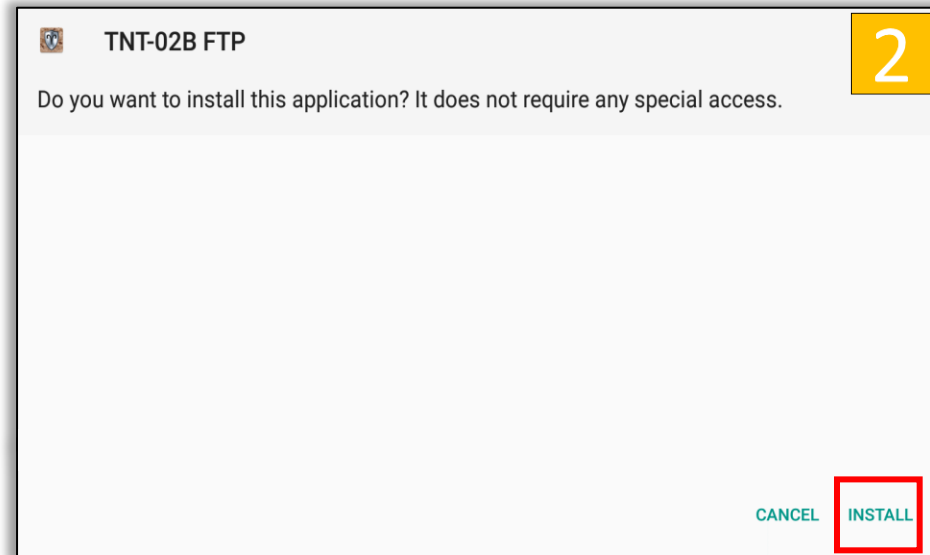
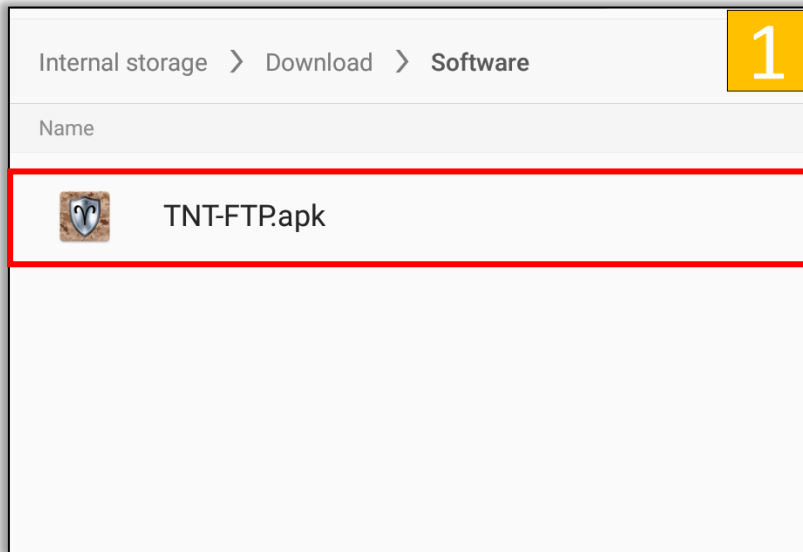
TNT-02B Battery Powered Setup

Please connect the Tablet / End User Device(s) (EUD) to your Tactical Network Trainer (TNT) and ensure it is powered on.

**Note:** Refer to the TNT User Guide for setup instructions.

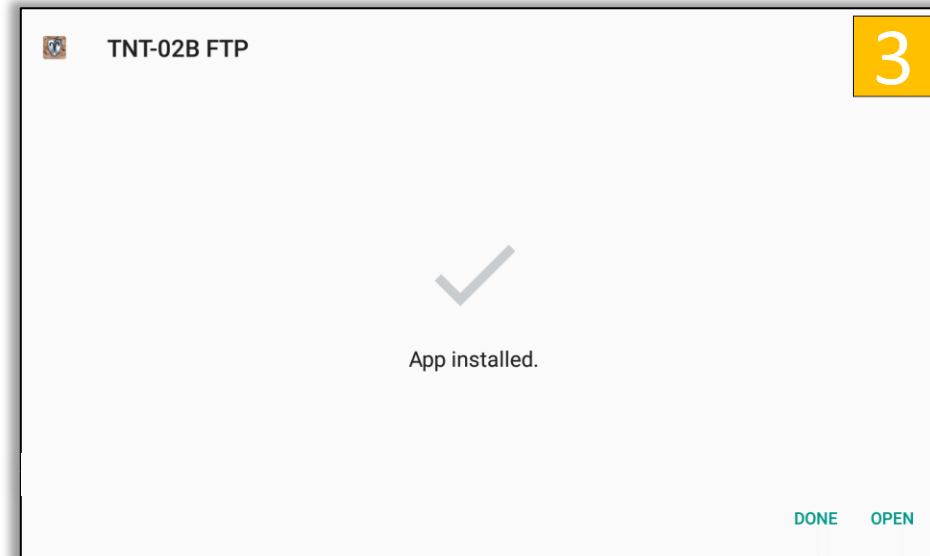


# Install The TNT S/FTP Application



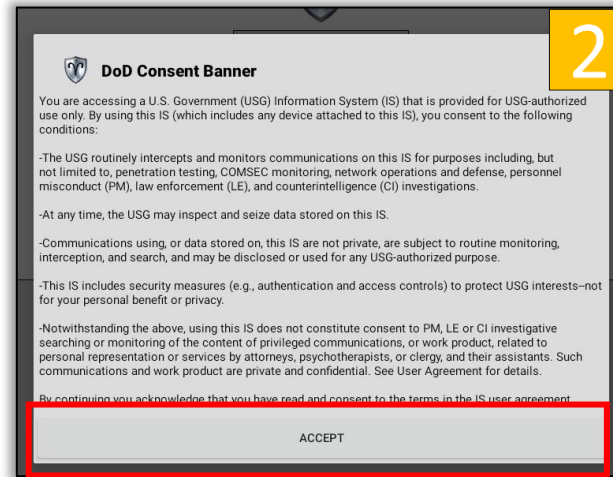
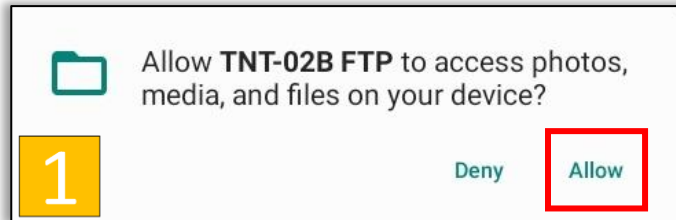
1. **Tap** the TNT-FTP.apk file to begin installation. In this example the TNT-02B FTP application will be installed.
2. Review the Permissions Statement then **tap Install**.
3. **Tap Open** once the installation is complete.

**Note:** you may have to adjust the security settings on your device to install this application.





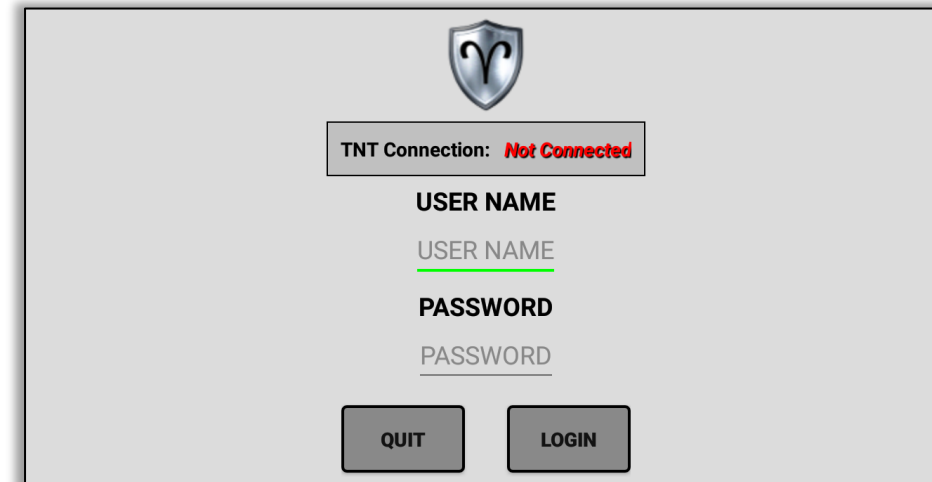
# TNT S/FTP Log In



Successful Connection

1. **Tap** the Allow to give the TNT application permission to write to the Tablet/EUD.
2. Review the DoD Consent Banner then **tap** ACCEPT.
3. TNT Connection: “**Connected**” indicates a successful connection. TNT Connection “**NOT Connected**” indicates the Tablet/EUD is not receiving a DHCP address from the TNT.

**Note:** you may have to adjust the security settings on your device to install this application.



Unsuccessful Connection



# TNT S/FTP Log in (Continued)

1

TNT Connection: **Connected**

USER NAME

USER NAME

PASSWORD

PASSWORD

QUIT LOGIN

2

TNT Connection: **Connected**

USER NAME

5rftp

PASSWORD

.....

QUIT LOGIN

1. Enter Login credentials:

**USER NAME:** 5rftp

**PASSWORD:** 5rftp

2. ***Tap LOGIN.***





# TNT S/FTP Main Menu

The screenshot displays the TNT S/FTP Main Menu interface, which is divided into two main sections:

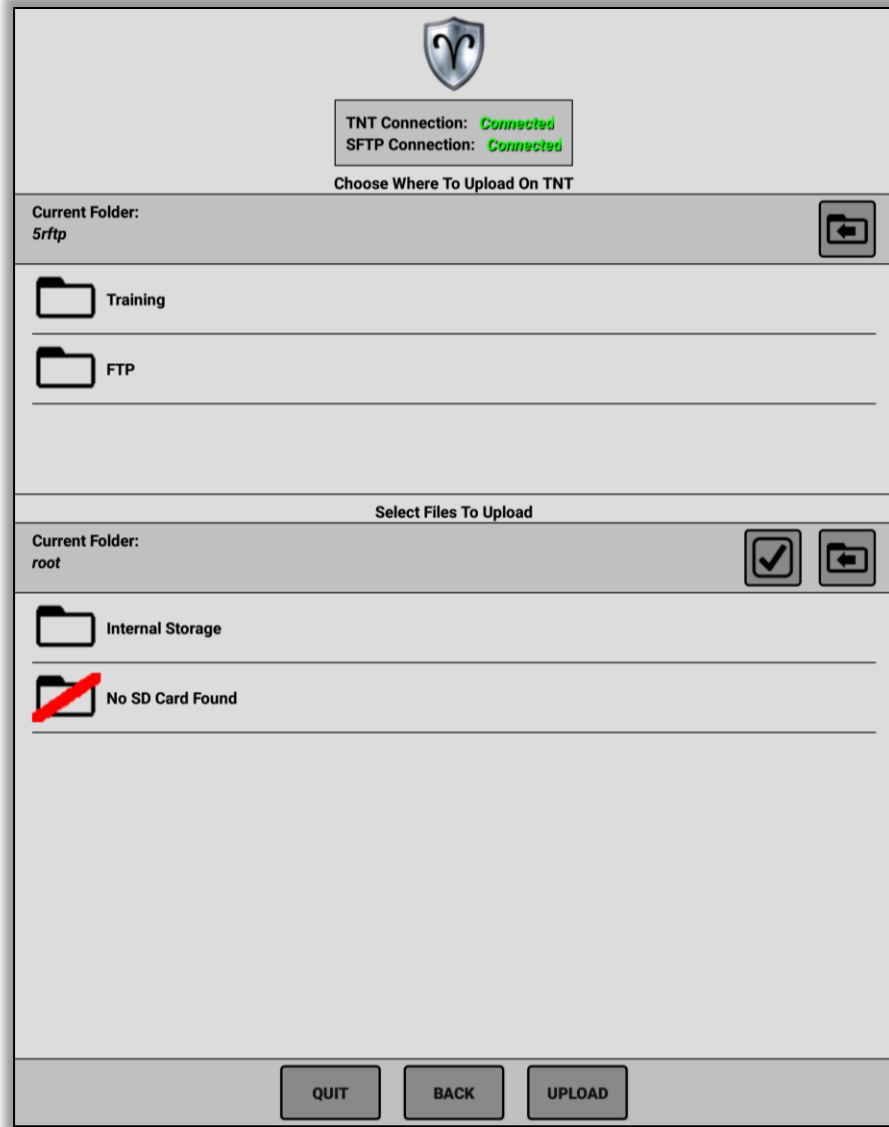
- Left Panel (Main Menu):**
  - At the top center is the TNT logo (a shield with a ram's head).
  - Below the logo, a status bar indicates "TNT Connection: **Connected**".
  - The text "Select An FTP Action" is centered below the status bar.
  - Four buttons are listed vertically: **UPLOAD**, **DOWNLOAD**, **MANAGE**, and **QUIT**.
- Right Panel (Action Descriptions):**
  - A vertical list of four buttons is shown: **UPLOAD**, **DOWNLOAD**, **MANAGE**, and **QUIT**.
  - Each button is accompanied by a descriptive text:
    - UPLOAD**: Upload files to the TNT FTP.
    - DOWNLOAD**: Download files from the TNT FTP.
    - MANAGE**: Create Directories and Move/Rename files and directories on the TNT FTP.
    - QUIT**: Close the APP.



# UPLOAD



# TNT S/FTP Upload



**TNT Connection: Connected**

Successful Connection to the TNT device

**SFTP Connection: Connected**

Successful Connection to the S/FTP Server

**Current Folder: 5rftp**

Lists the current S/FTP folder on the TNT



Go Back to Previous Folder



Training folder for documents, video, etc



FTP Folder for documents, videos, etc.

**Current Folder: root**

Lists the current folder on the Tablet/EUD/SD Card



Access Internal Storage on the Tablet /EUD



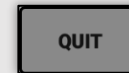
Go Back to Previous Folder



Access Storage on the SD Card (If present)



Select ALL folders/files inside the Current Folder



Quit the S/FTP App



Go Back to Main Menu



Upload Selected Files/Folders to Current S/FTP Folder



# TNT S/FTP Upload - Demonstration

Internal storage > TNT\_Tablet1

Name

- Imagery
- ASR.gpx
- MSR.kmz

Internal storage > TNT\_Tablet1 > Imagery

Name

- ADHQ\_MidRes\_2.kmz
- ADHQ\_LowRes.kmz
- ADHQ\_HighRes\_2.kmz
- ADHQ\_HighRes\_1.kmz
- ADHQ\_MidRes\_1.kmz
- ADHQ\_HighRes\_3.kmz

**1**

**A folder called TNT\_Tablet1 resides inside of Tablet 1's Internal Storage**

TNT Connection: **Connected**  
SFTP Connection: **Connected**

Choose Where To Upload On TNT

Current Folder: 5rftp

- Training
- FTP

Select Files To Upload

Current Folder: /storage/emulated/0/TNT\_Tablet1

- Imagery (6) 494.3 MB
- MSR.kmz 1.7 KB
- ASR.gpx 3.4 KB

**2**

**The TNT S/FTP App viewing the TNT\_Tablet1 folder inside of Tablet 1s' Internal Storage**

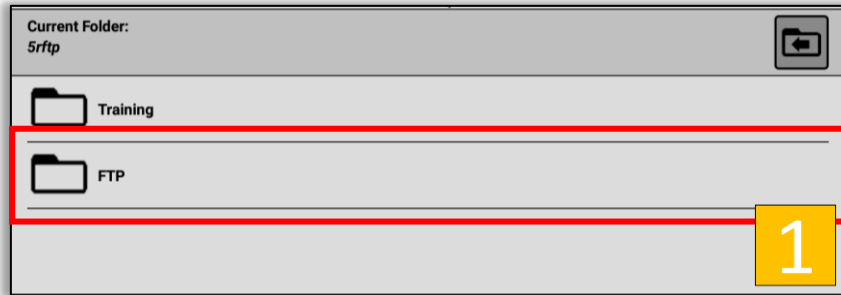
QUIT BACK UPLOAD

TNT-02B

1. Inside of Tablet 1's Internal Storage there is a folder called TNT\_Tablet1. TNT\_Tablet 1 contains:
  - A gpx file called ASR.gpx
  - A kmz file called MSR.kmz
  - And a folder called Imagery containing 6 kmz files.
2. The TNT FTP app is currently looking at the same folder depicted in the tablet view. This demonstration will show how files can be uploaded to the TNT Device via the TNT S/FTP Application.

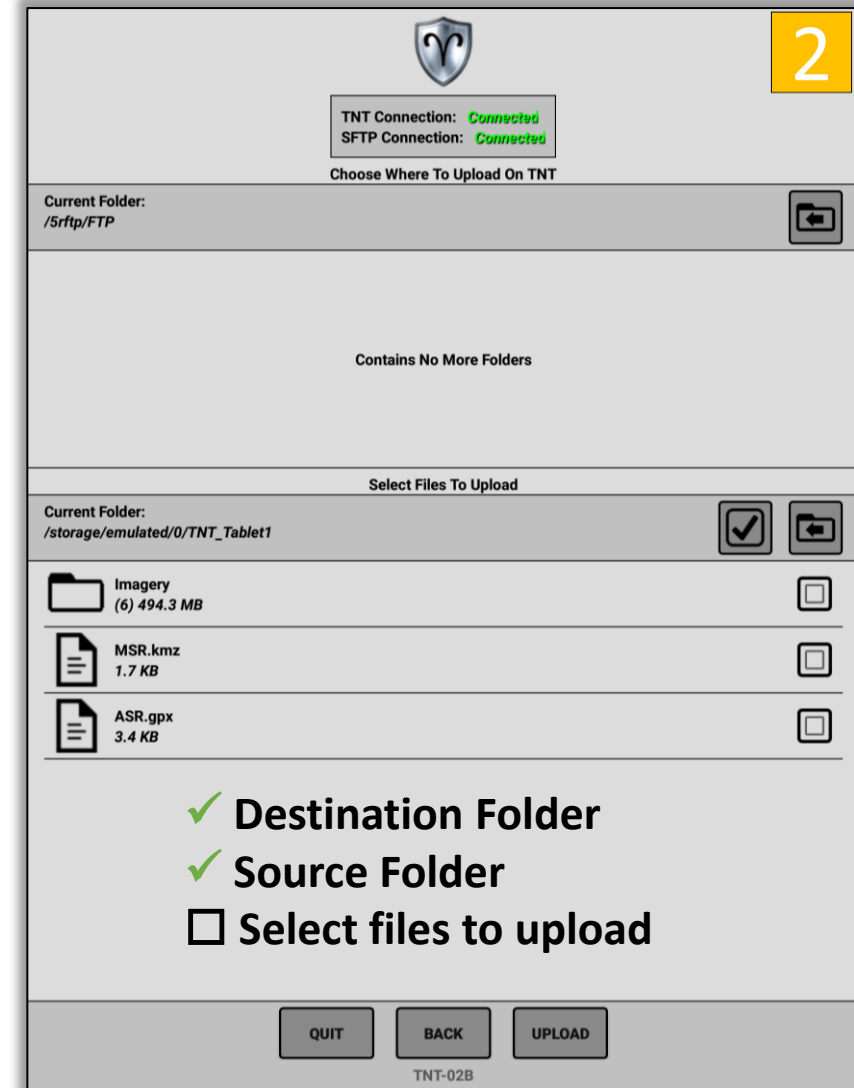


# TNT S/FTP Upload – Demonstration (Continued)



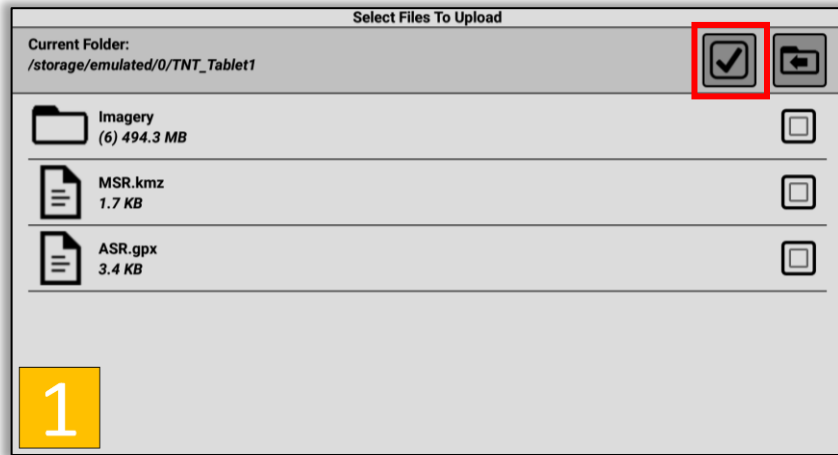
Before files can be uploaded to the TNT device a destination folder must be selected.

1. In this demonstration, the contents of TNT\_Tablet1 will be uploaded to the TNT device but before that can happen a destination must be selected. In this example the contents will be uploaded inside of the FTP folder.
2. With the Destination and source folders selected next step is to select the files to upload.



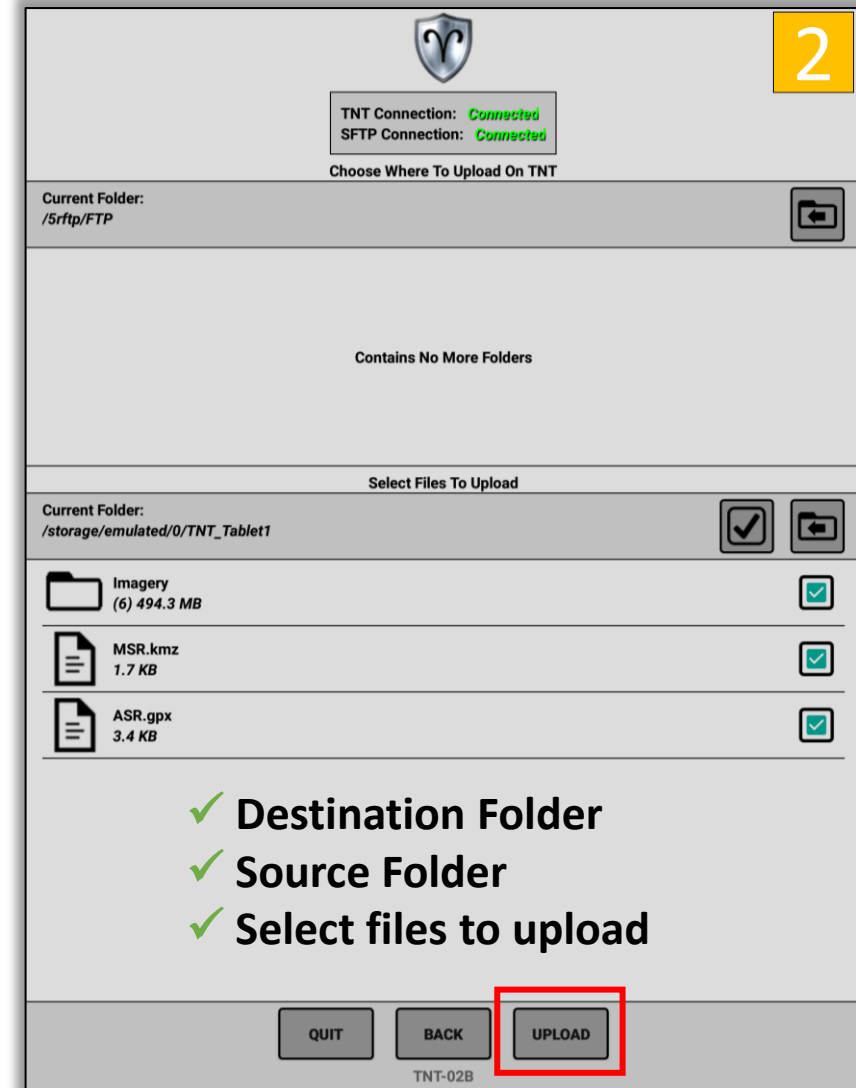


# TNT S/FTP Upload – Demonstration (Continued)



The Select All button will recursively select all files and folders inside of the source folder

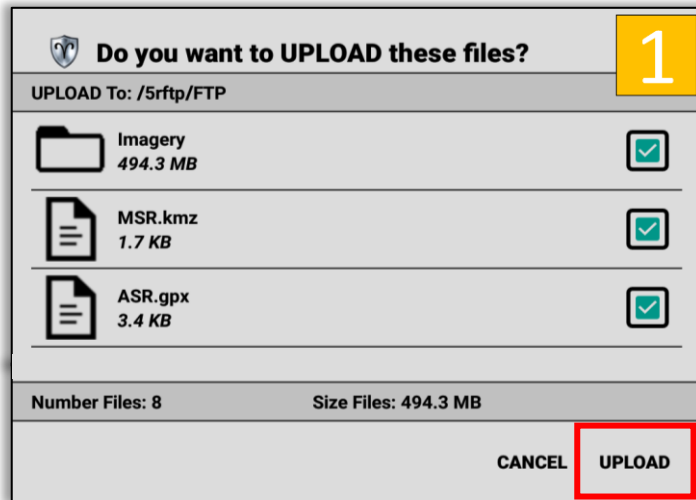
1. By **tapping** the Select All button the TNT S/FTP App will recursively select all files and files within folders of the current source folder.
2. MSR.kmz, ASR.gpx, and the Imagery folder (along with all of the kmz's inside of the folder) are now selected and ready to be uploaded to the destination folder (FTP).



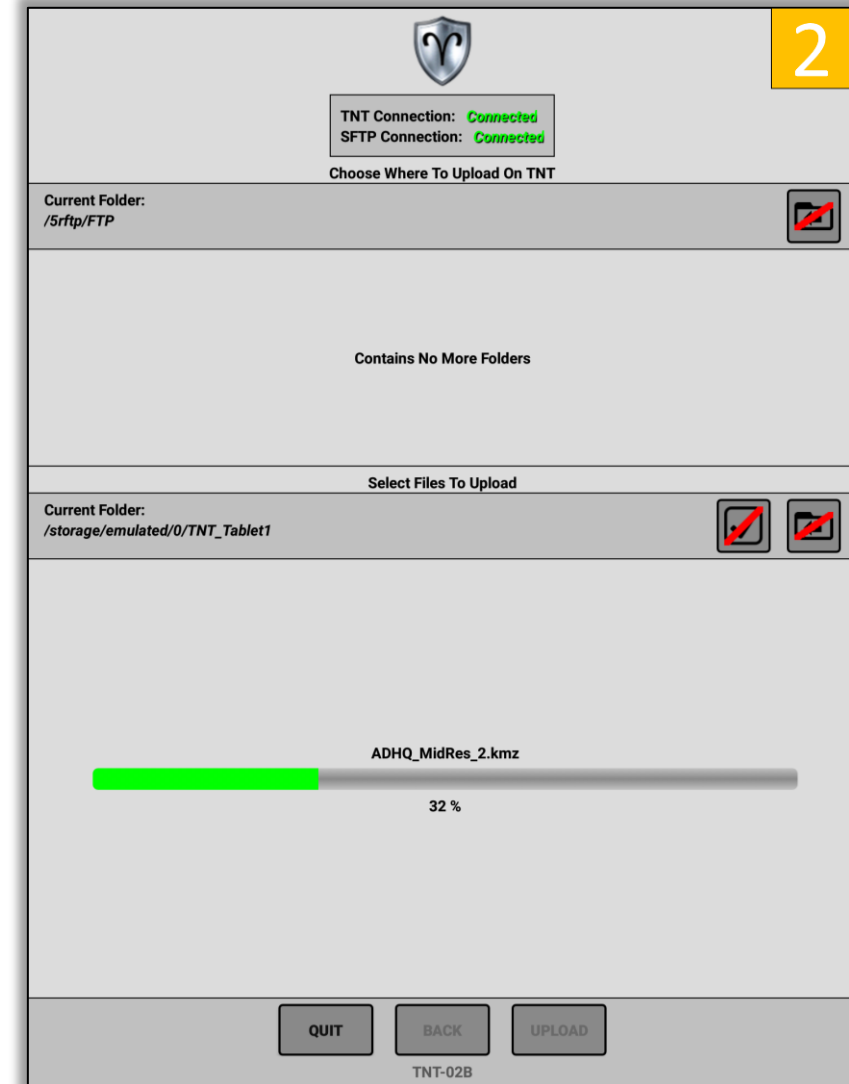
- ✓ Destination Folder
- ✓ Source Folder
- ✓ Select files to upload



# TNT S/FTP Upload – Demonstration (Continued)



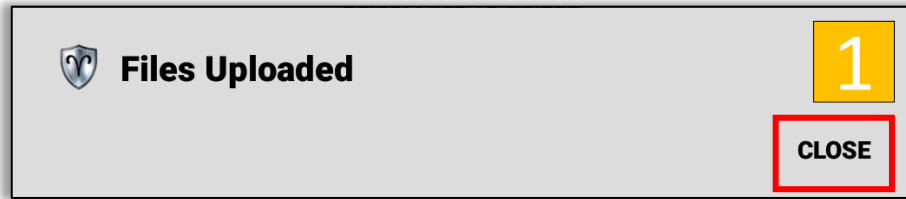
The upload manifest contains a list of files to be uploaded, file count (files and folders), and the total size.



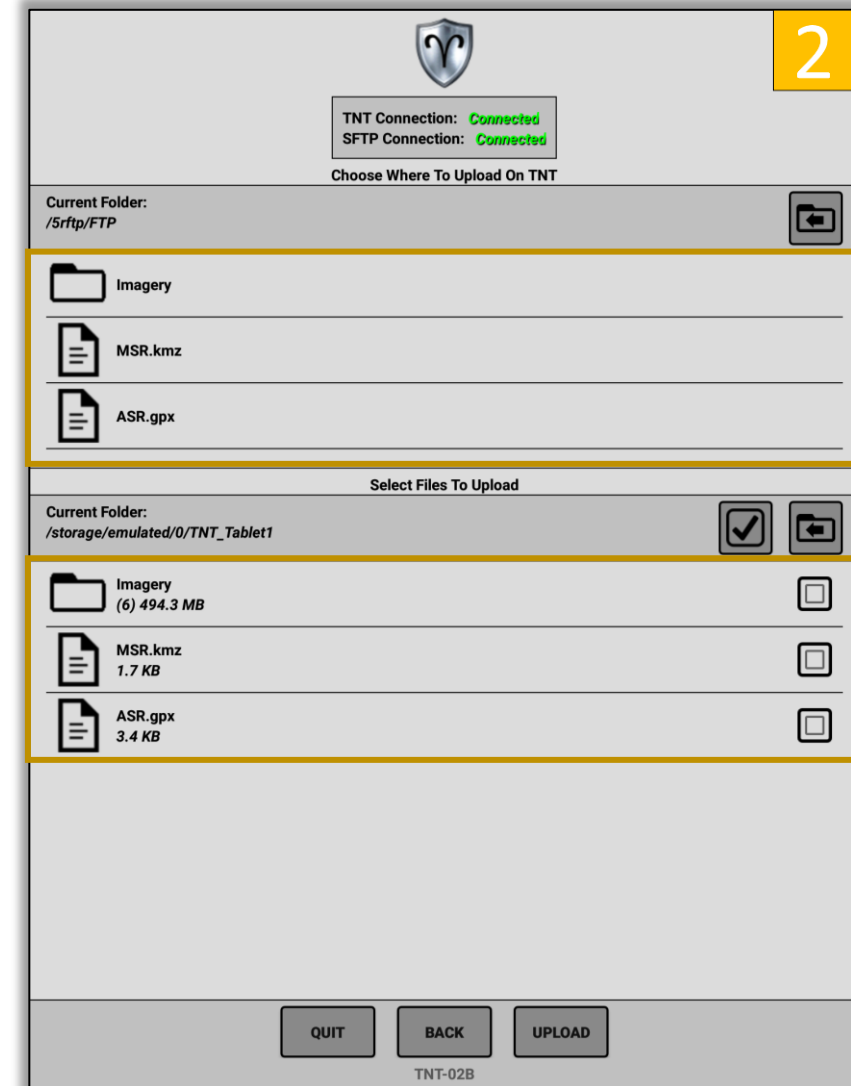
1. Reviewing the upload manifest shows 8 files/folders with a total size of 494.2 MB will be uploaded to the destination folder. Files can be unselected before uploading. By **tapping UPLOAD** the upload process will begin.
2. The progress bar will show the progress of the current file being uploaded.



# TNT S/FTP Upload – Demonstration (Continued)



A Confirmation window will appear indicating the upload process is complete.



1. Tap CLOSE to close the confirmation window that indicates the files have been uploaded to the destination folder.
2. The destination folder now contains all of the files and folders of the source directory.

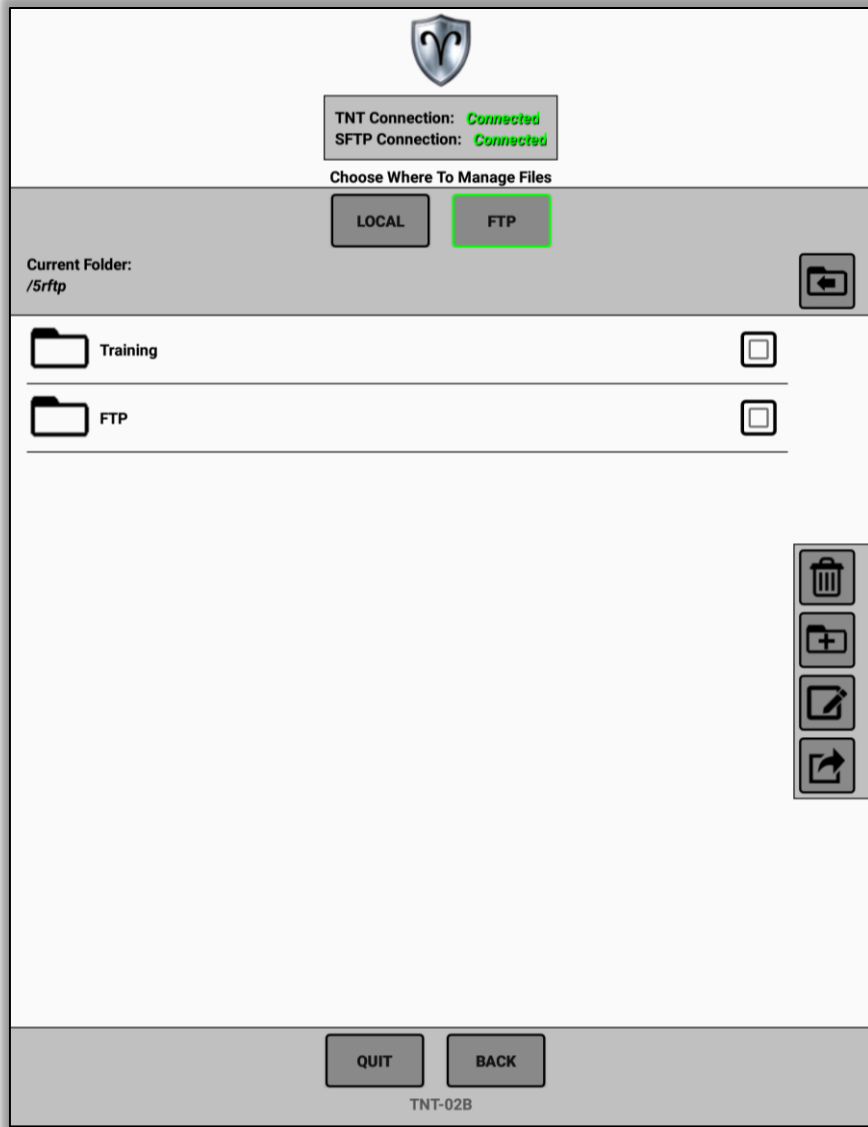




# MANAGE



# TNT S/FTP Manage



TNT Connection: Connected  
SFTP Connection: Not Connected


Successful Connection to the TNT device but not currently connected to the SFTP Server

TNT Connection: Connected  
SFTP Connection: Connected

Successful Connection to the TNT device and currently connected to the SFTP Server

**Current Folder:**  
*5ftp*

Lists the current S/FTP folder on the TNT



Go Back to Previous Folder

LOCAL FTP

Current Folder: *root*

- Internal Storage
- No SD Card Found


Manage local/SD files and folders

LOCAL FTP


Current Folder: */5ftp*

- Training
- FTP


Managing FTP files and folders




Delete File or Folder (Deletes ALL files inside of a folder)



Create New Folder



Rename File or Folder



Move File or Folder

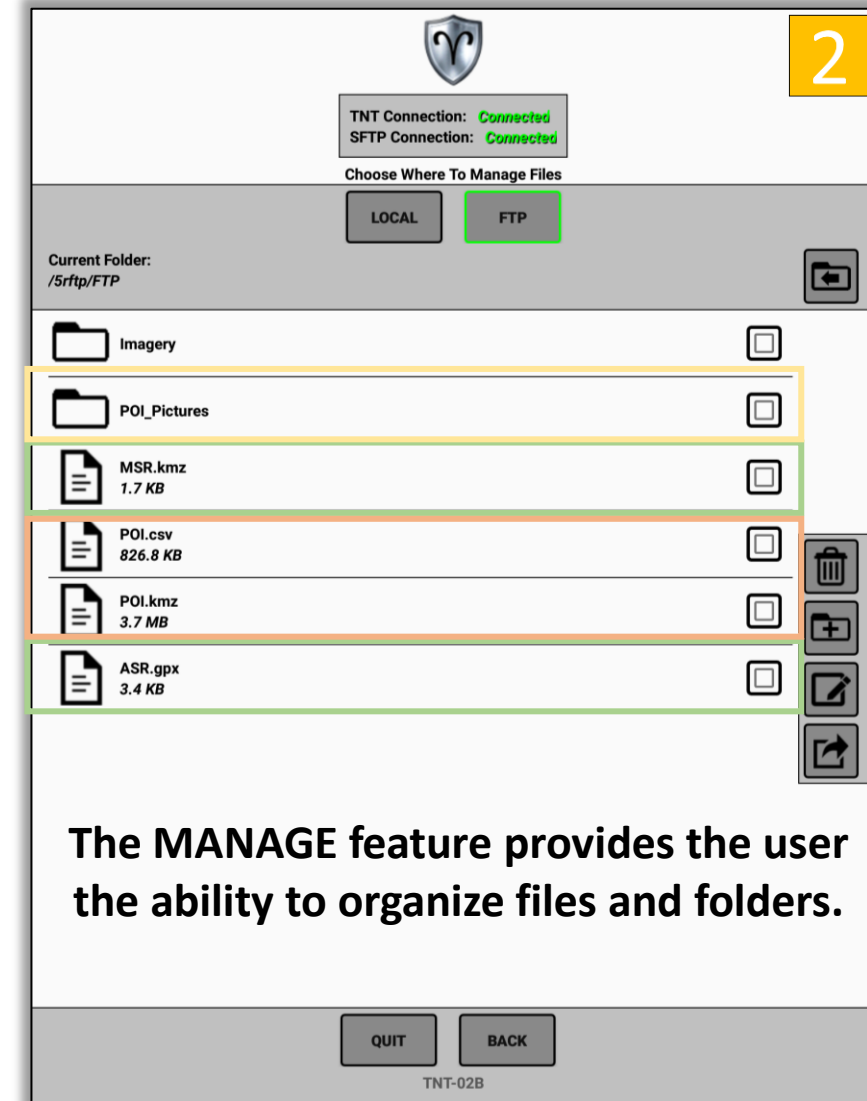
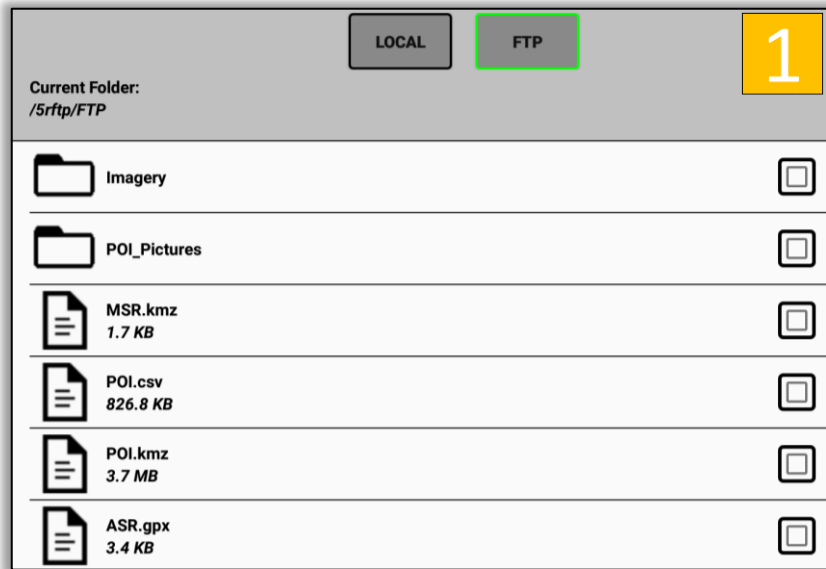
QUIT

BACK

Quit the S/FTP App
Go Back to Main Menu



# TNT S/FTP Manage – Demonstration Overview

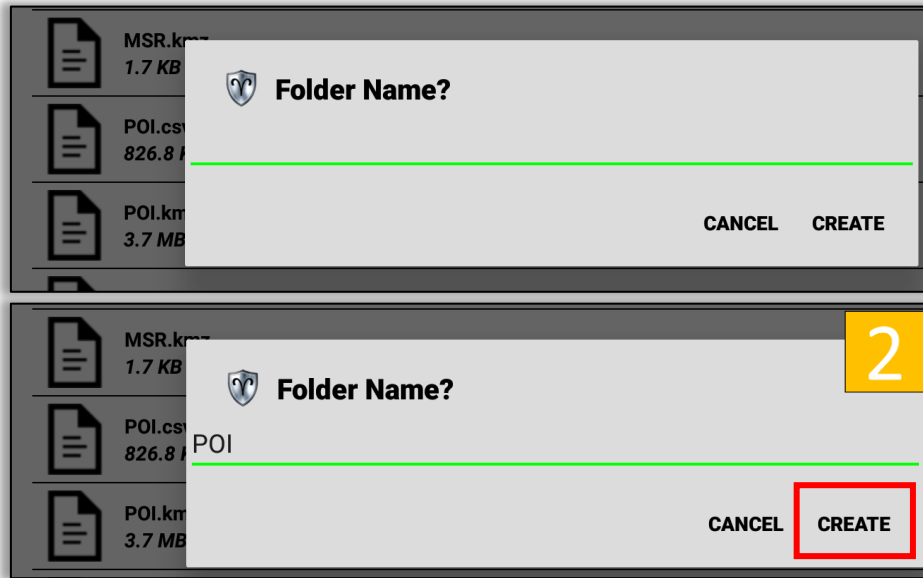


1. The TNT FTP Folder contains
  - A folder containing kmz images
  - A folder containing pictures of points of interest
  - A kmz file called MSR.kmz
  - A csv file called POI.csv
  - A gpx file called ASR.gpx
2. The files and folders will be organized and renamed by category (POI, Pictures, Routes, and Imagery).

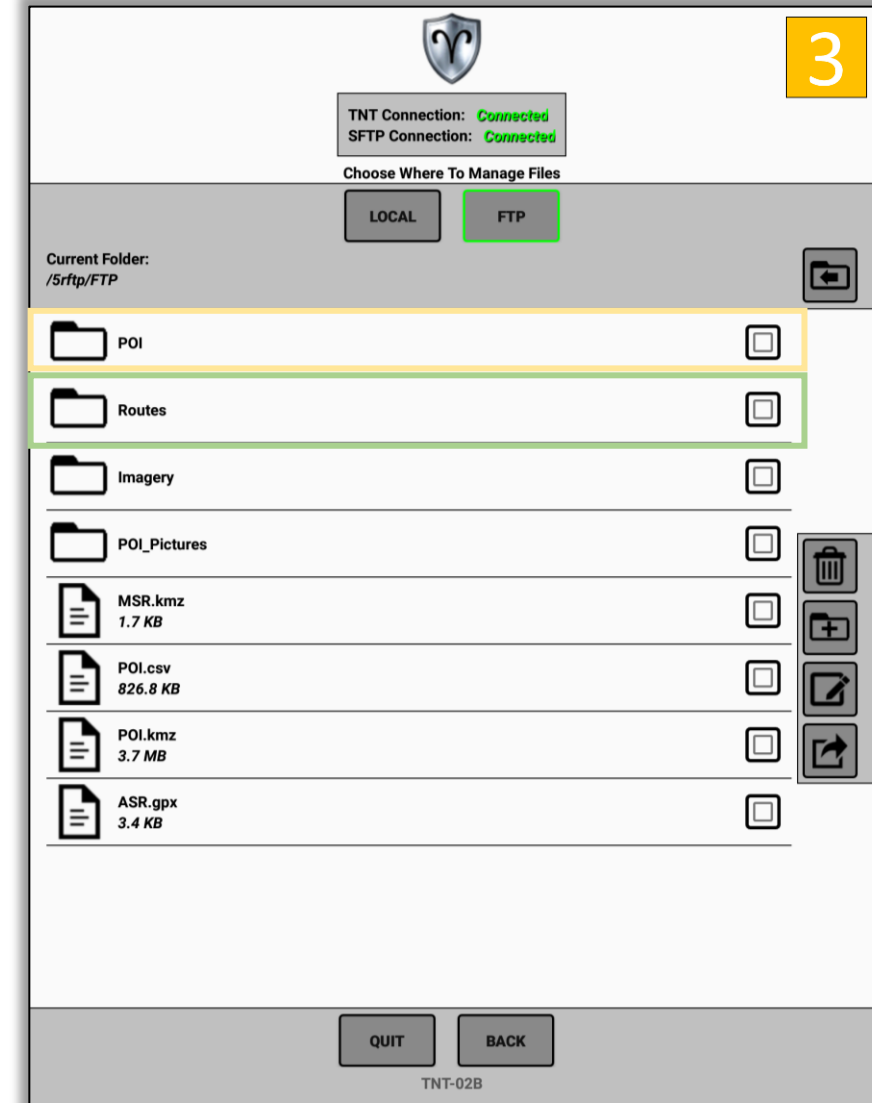
**The MANAGE feature provides the user the ability to organize files and folders.**



# TNT S/FTP Manage – Demonstration: Create New Folder



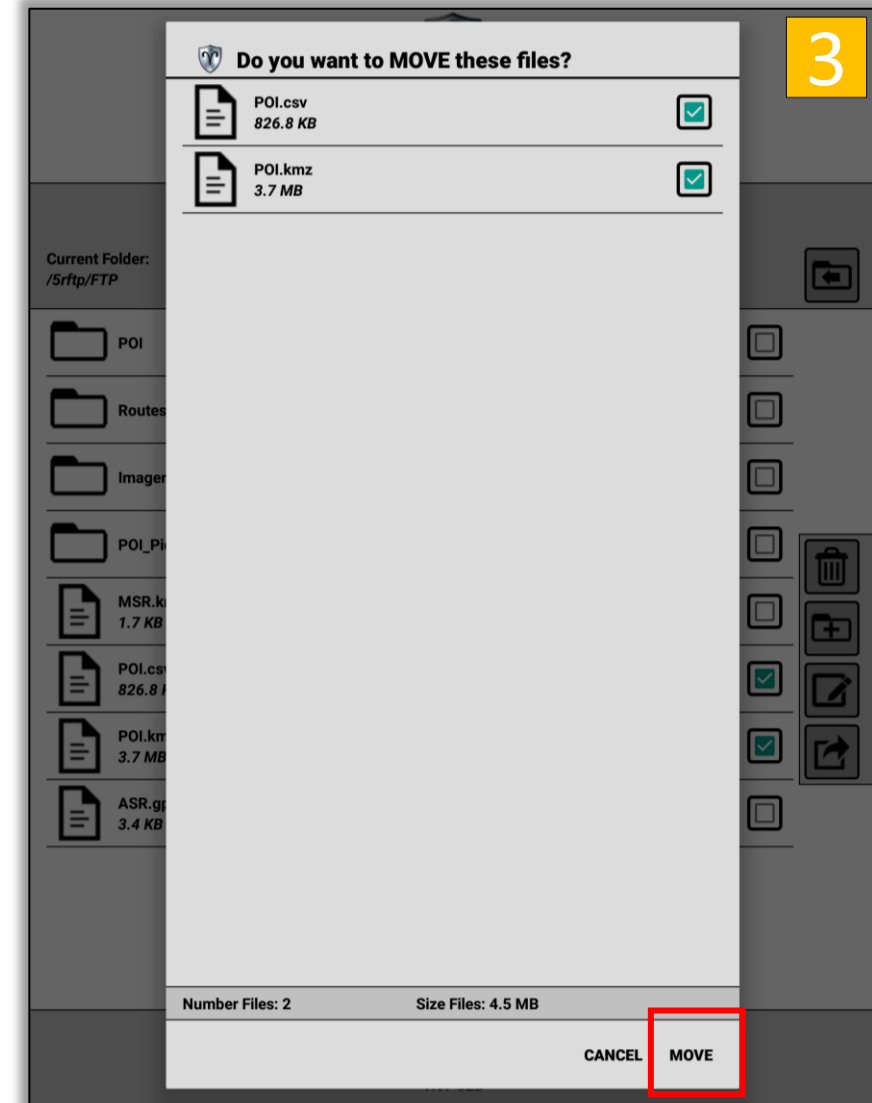
Creating folders helps organize data in a logical structure.



1. **Tap** the Create New Folder icon. A dialog box opens up that prompts the user for a folder name.
2. In this example “POI” is entered. To create the new folder **tap** create.
3. Another folder called “Routes” was also created using steps 1 -2.



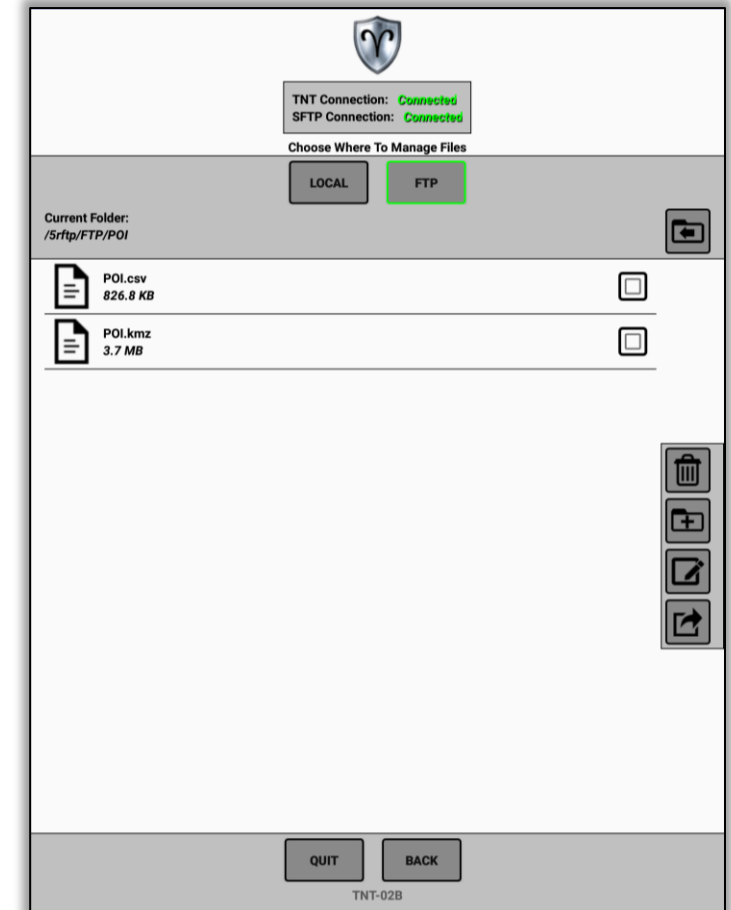
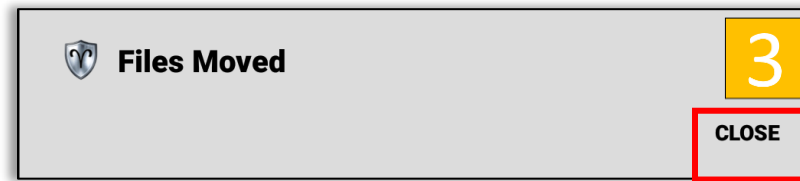
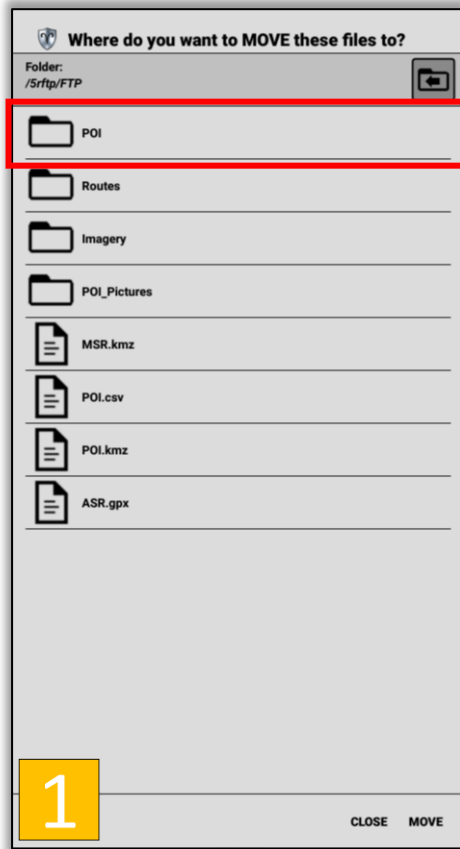
# TNT S/FTP Manage – Demonstration: Move Files



1. To move files or folders to another location **tap** the checkbox next to the file or folder you wish to move. In this example POI.csv and POI.kmz will be moved to the POI folder that prompts the user for a folder name.
2. **Tap** the Move File/Folder icon.
3. Confirm the file/folders then **tap** MOVE.



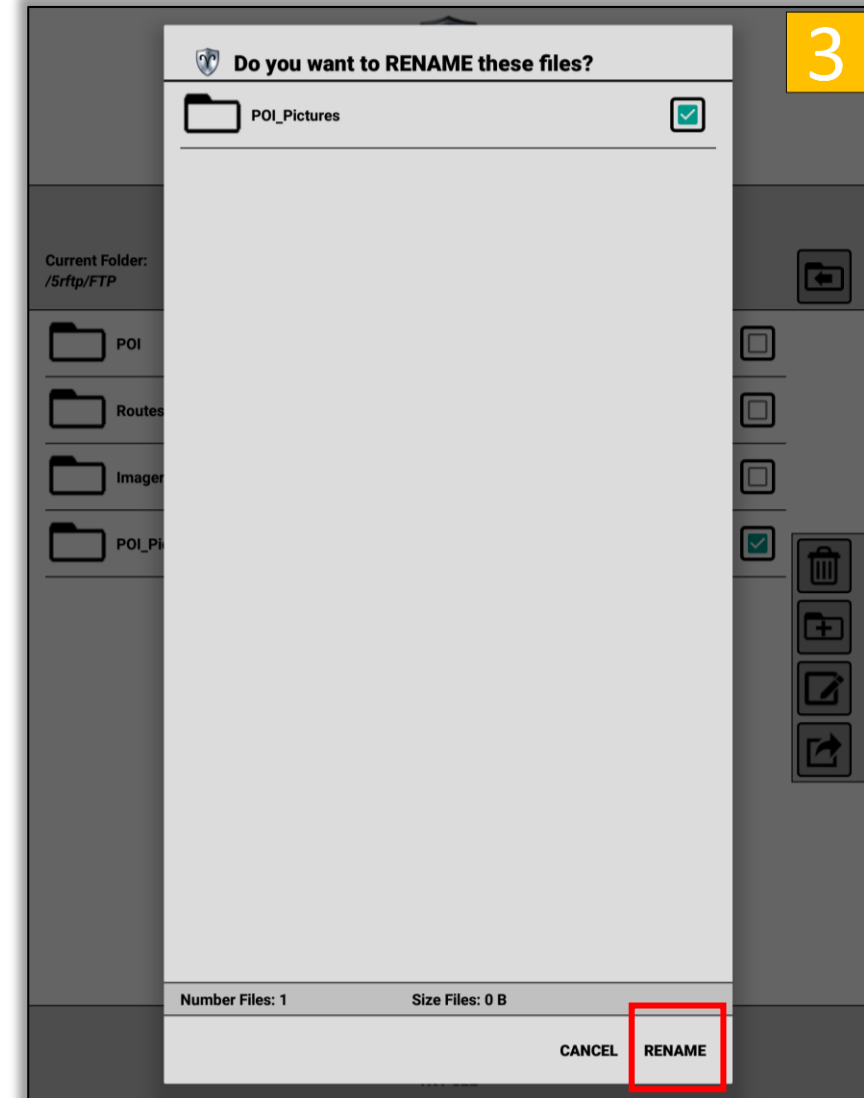
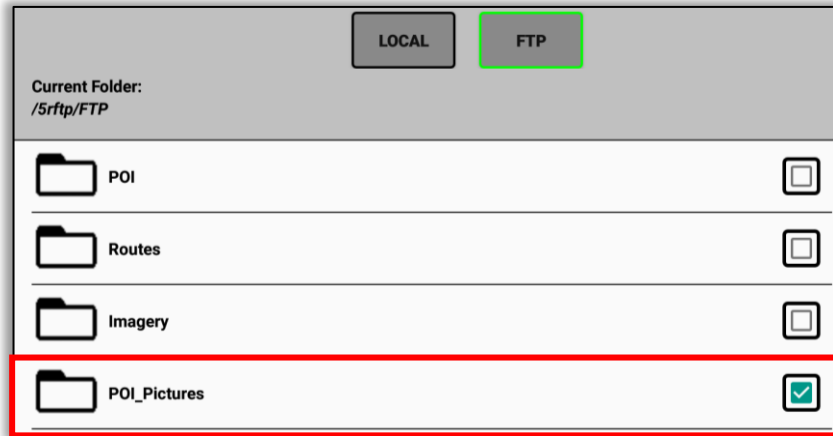
# TNT S/FTP Manage – Demonstration: Move Files (Continued)



1. Tap the destination folder for the selected files to move. In this example “POI” will be selected.
2. Tap MOVE to move the files inside of the destination folder.
3. Tap CLOSE on the “Files Moved” confirmation box. The files have been moved to the destination folder. In the proceeding pages the msr.csv and asr.gpx files will be moved to the Routes folder.



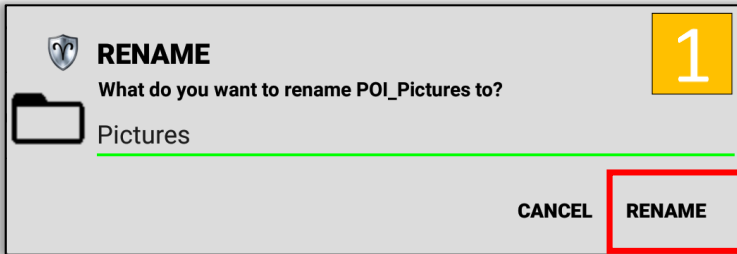
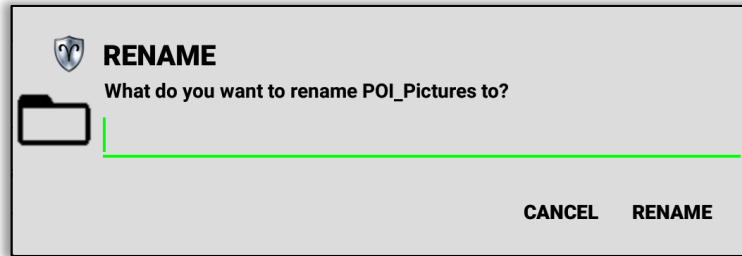
# TNT S/FTP Manage – Demonstration: Rename File/Folder



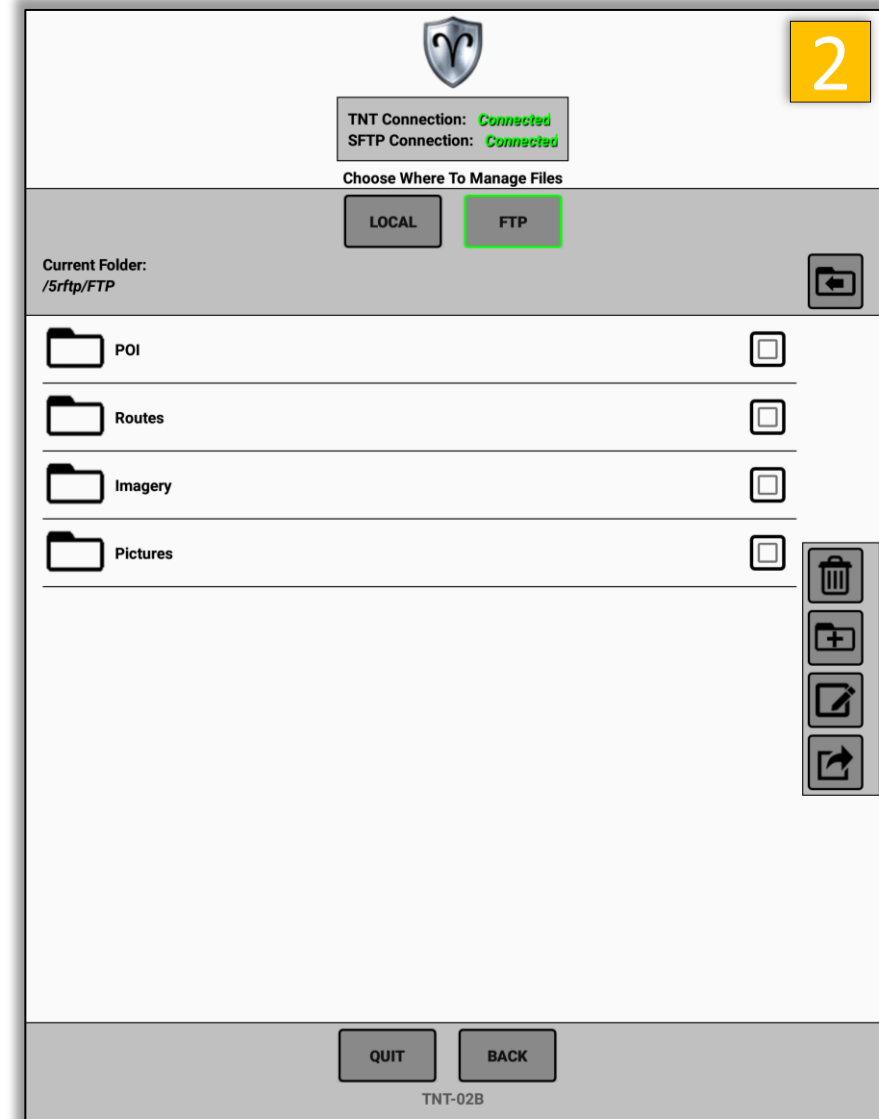
1. To rename files or folders to another location **tap** the checkbox next to the file or folder you wish to rename. In this example the “POI\_Pictures” folder will be renamed to “Pictures”.
2. **Tap** the Rename icon.
3. Confirm the file/folders then **tap** RENAME.



# TNT S/FTP Manage – Demonstration: Rename File/Folder (Continued)



Data changes over time so keeping it relevant / up to date is important.



1. A “RENAME” dialog box will open that prompts the user for a new value to rename the file/folder to. In this example “Pictures” was entered.
2. The File/Folder will be renamed.

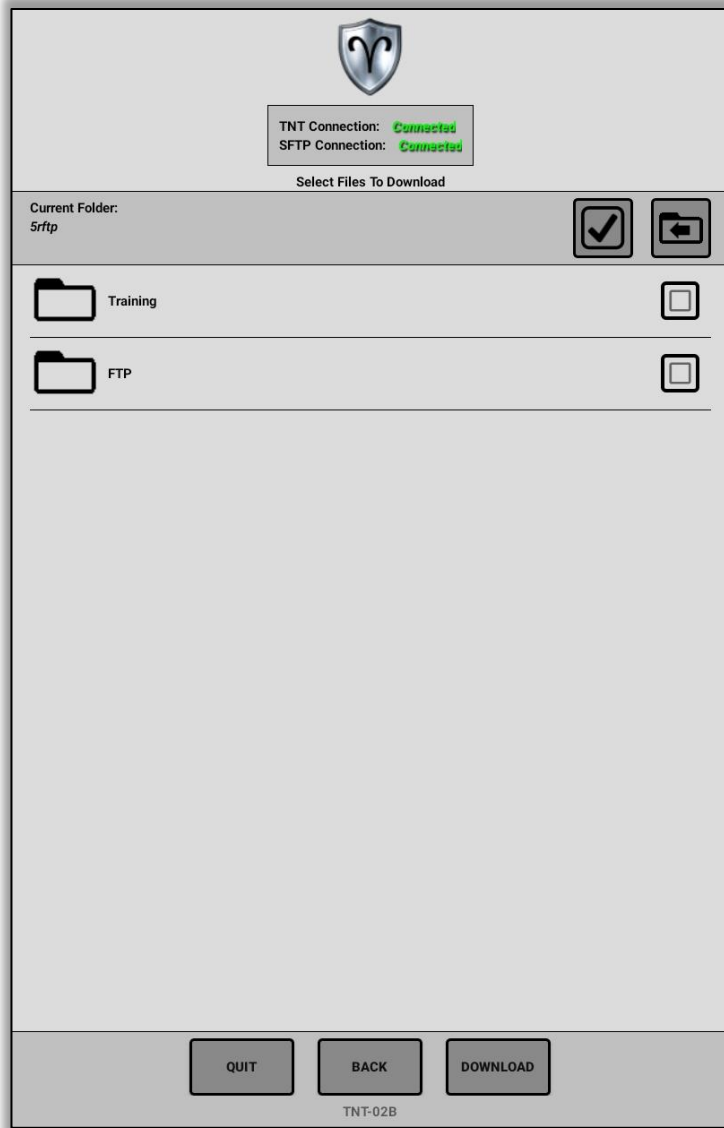




# Download



# TNT S/FTP Download



TNT Connection: **Connected**  
 SFTP Connection: **Connected**

Successful Connection to the TNT device and currently connected to the SFTP Server

**Current Folder: 5ftp**

Lists the current S/FTP folder on the TNT

Select ALL folders/files inside the Current Folder

Training  
Training folder for documents, video, etc

Go Back to Previous Folder

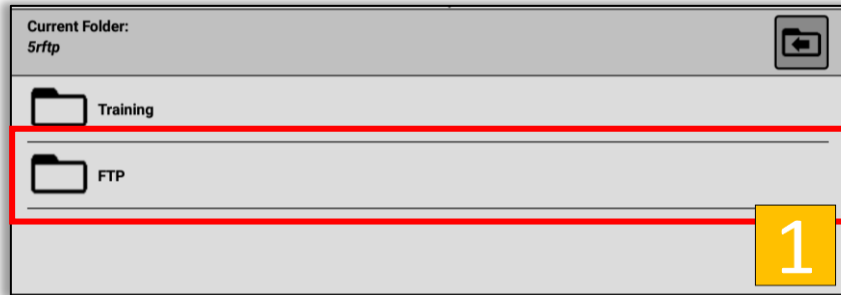
FTP  
FTP Folder for documents, videos, etc.

**QUIT**      **BACK**      **UPLOAD**

Quit the S/FTP App      Go Back to Main Menu      Upload Selected Files/Folders to Current S/FTP Folder

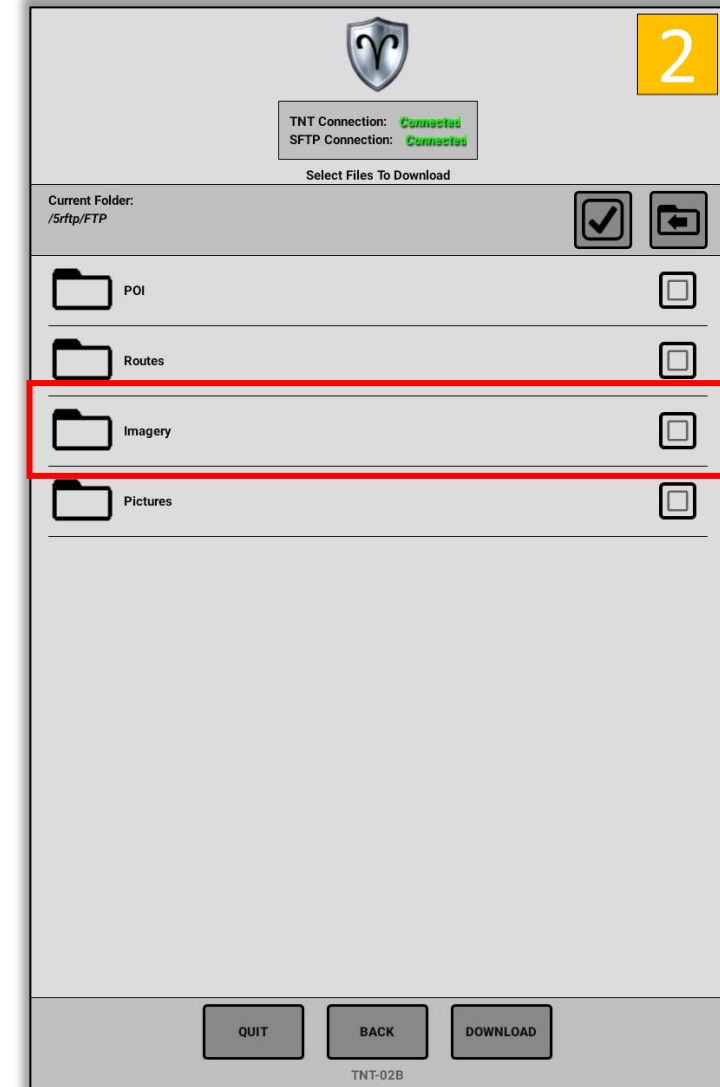


# TNT S/FTP Download – Demonstration



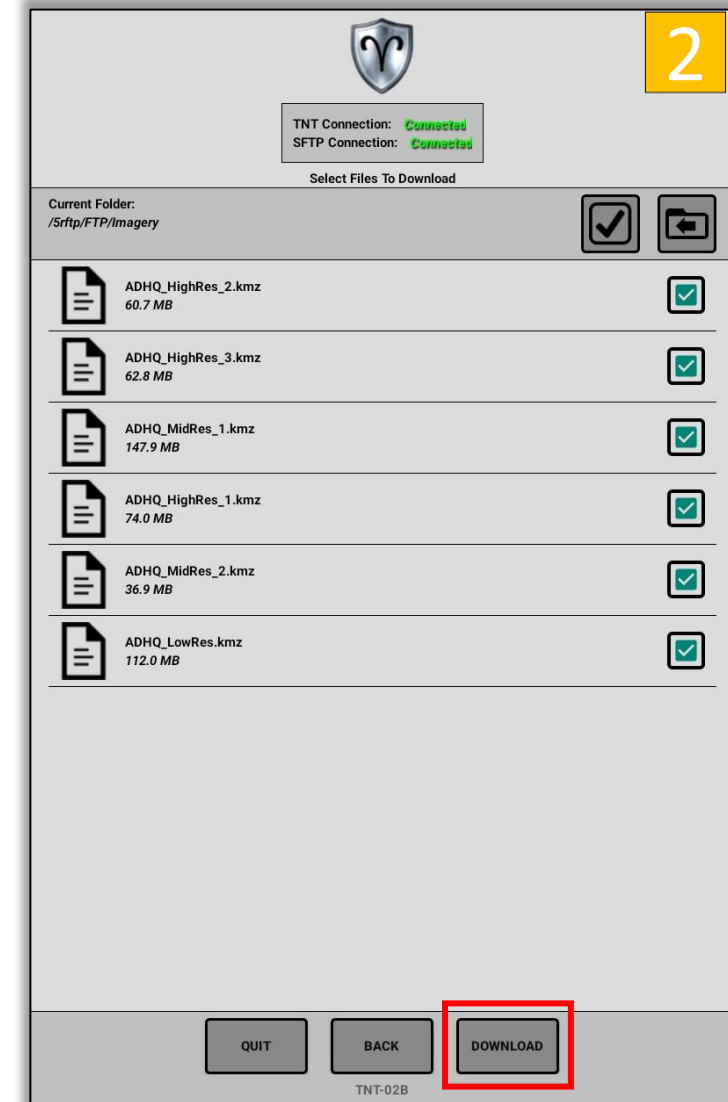
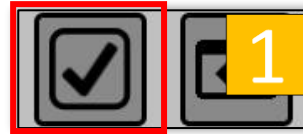
Before files can be uploaded to the TNT device a destination folder must be selected.

1. To navigate inside the contents of the TNT Device tap either the Training or FTP folder. In this example “FTP” is selected.
2. Inside the FTP folder there are several sub folders. In this example the contents inside of the “Imagery” folder will be downloaded. **Tap** the subfolder to view its contents.





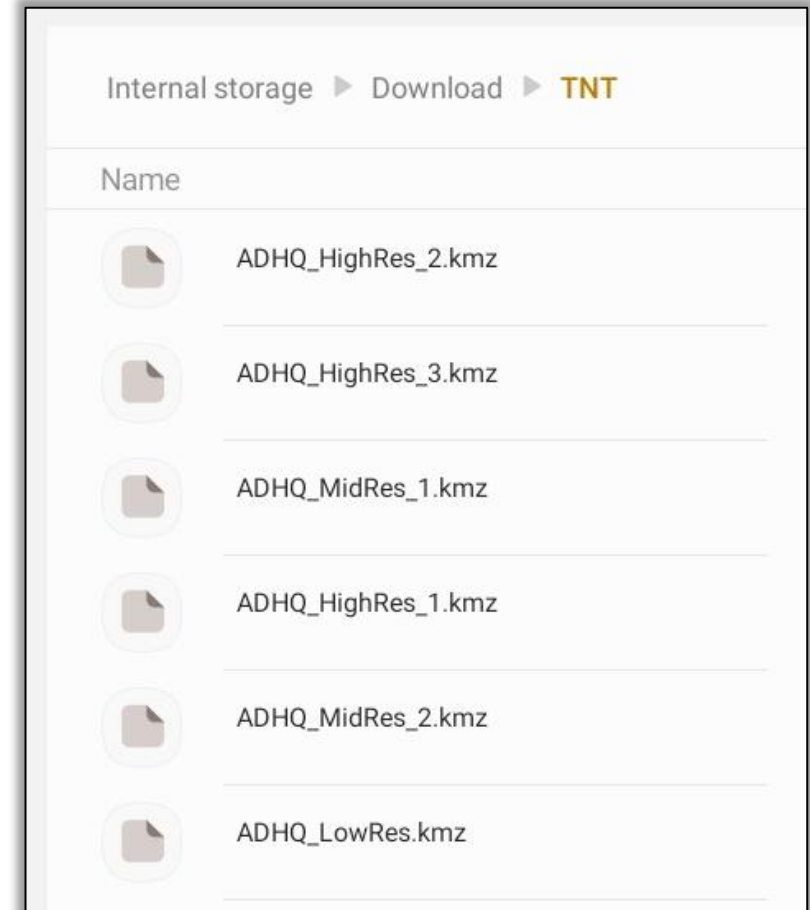
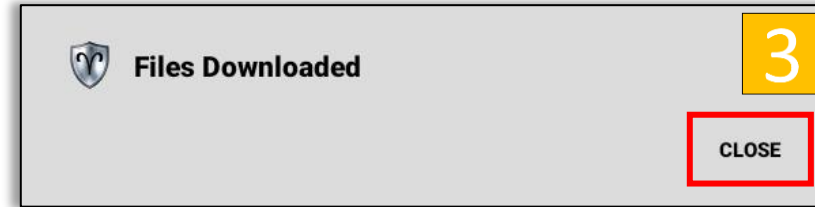
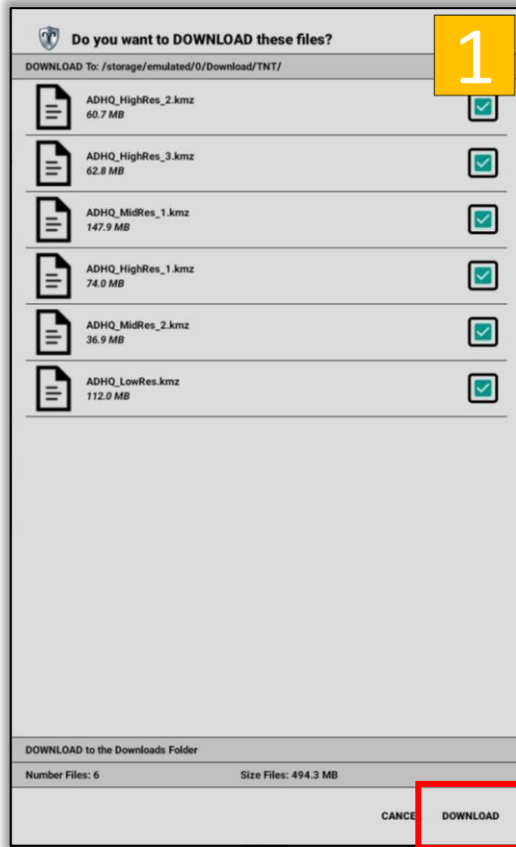
# TNT S/FTP Download – Demonstration (Continued)



1. In this demonstration all of the kmz files inside of the “Imagery” folder will be selected. **Tap** the Select All button to select all of the files inside of the folder.
2. Once the files/folders have been selected **tap** the DOWNLOAD button.



# TNT S/FTP Download – Demonstration (Continued)



1. Tap **DOWNLOAD** to download the selected files/folders.
2. A progress bar will indicate which file is currently downloading and the percentage of download.
3. Tap **CLOSE** on the “Files Downloaded” confirmation box. The files have been downloaded to the Internal Storage device in a folder called “TNT” inside of the “Downloads” folder.

