XPRESSENTRY

XPID 200 Series Android 13 Update

Revision 04/18/2024

For use with the
XPressEntry Mobile Access Control
System

By

TELAERIS

Contents

Purpose

This document is intended to instruct users on how to upgrade their XPID200 devices from.

Pre-requisites/Requirements

1. XPID 200 Device
2. USB Type C cable
3. Windows 10+ PC
4. Android 13 upgrade kit:
    a. Updating Software: SP_Flash_Tool_exe_Windows_v5.1936.00.000
    b. Updating Driver: MTK_USB_All_1.0.4
    c. Operating System File: Telaeris_C6TV13.0.*X*_NO_EEA
    d. TEE Upgrade Tool: SN_Writer_Tool_exe_v1.2020.0.0-4500
5. 7zip (https://www.7-zip.org/download.html).

Android 13 Upgrade

Start by unpacking the XPID Android 13 upgrade kit. 7zip works to unpack .7z, .zip, and .rar files. You can download 7zip from the link above.

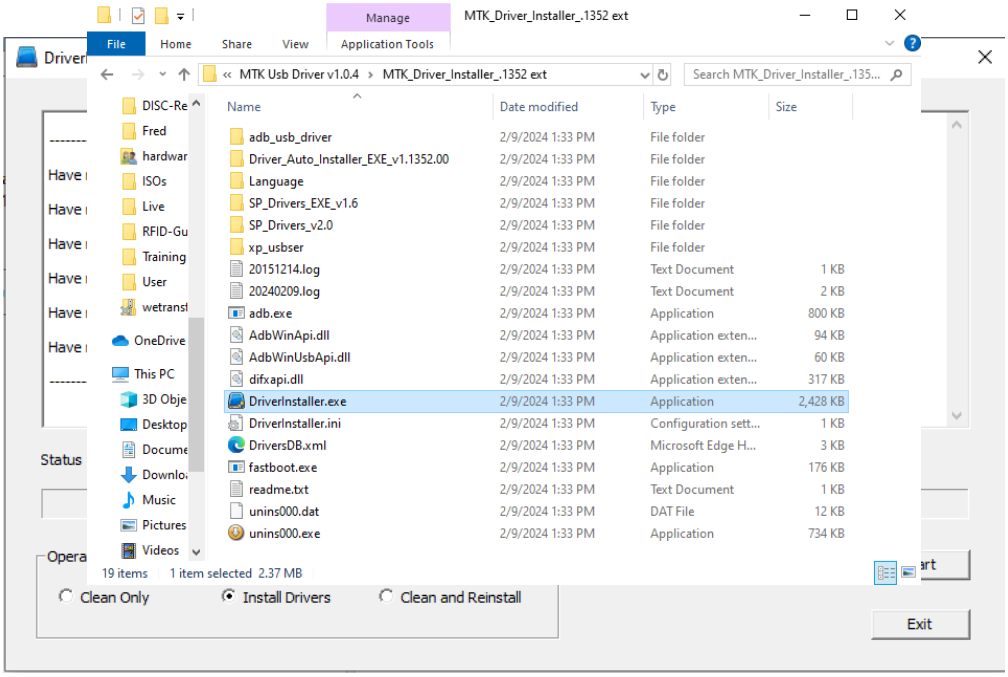
Order of Operations

1. Install the MTK Driver
2. Update the Android Operating System
3. Perform TEE Upgrade
4. Set up XPID and install Telaeris Applications

Install the MTK Driver

Installing the MTK Driver only needs to occur once per PC used to upgrade the XPID200s. Once you have completed this step, you may skip it for other XPID200 devices on this PC.

1. Navigate to the MTK_Driver_Installer_.1352 ext folder and run DriverInstaller.exe.



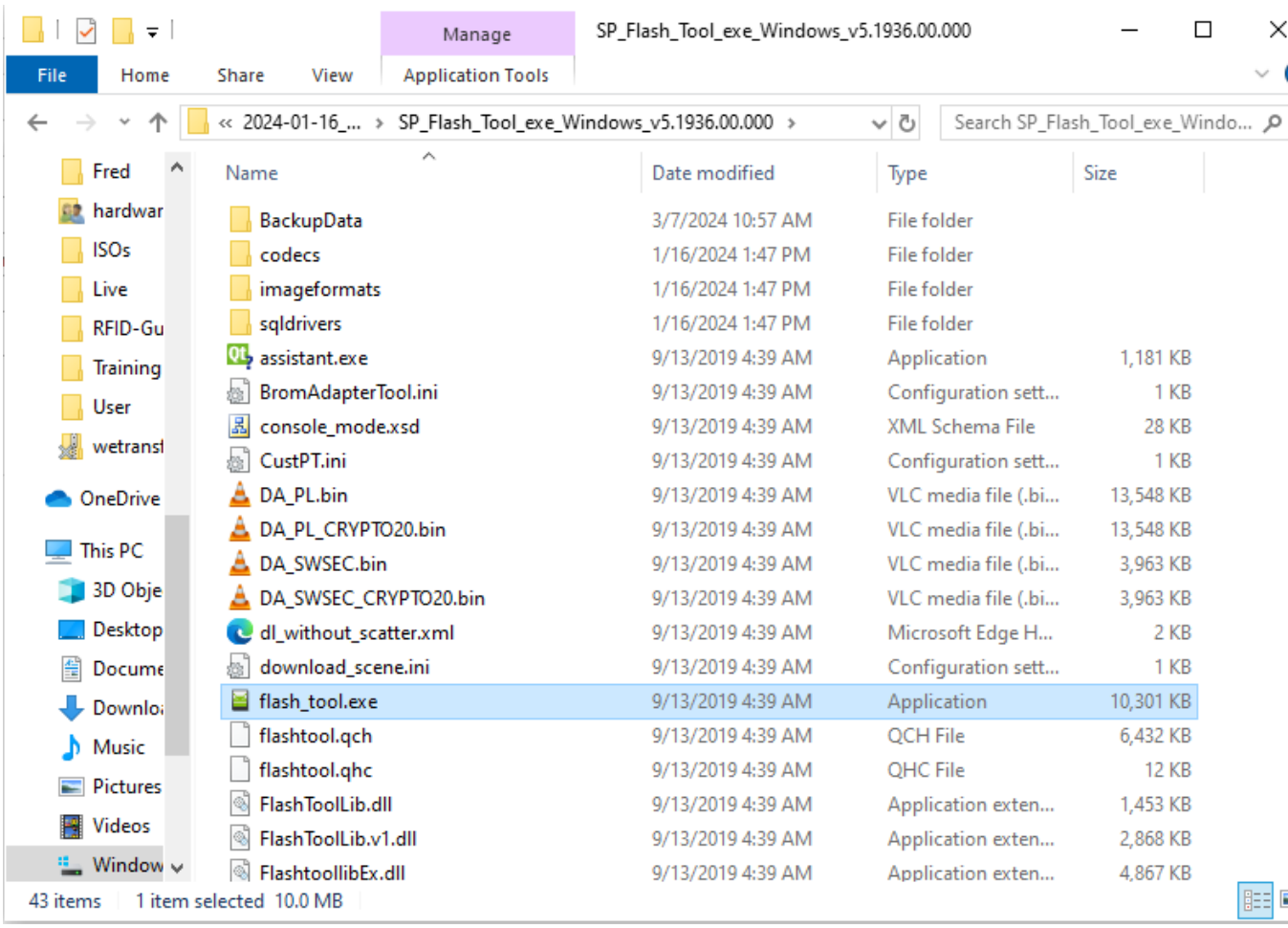
2. Select ***Install Drivers*** and then click Start. Once drivers are installed, this application may be closed.

Please note that if drivers need to be reinstalled. Please select ***Clean and Reinstall* instead.**

Update the Android Operating System

1. Power down the XPID200 device and leave the battery in. Please note that battery level should be 20% or above before powering down for best results.

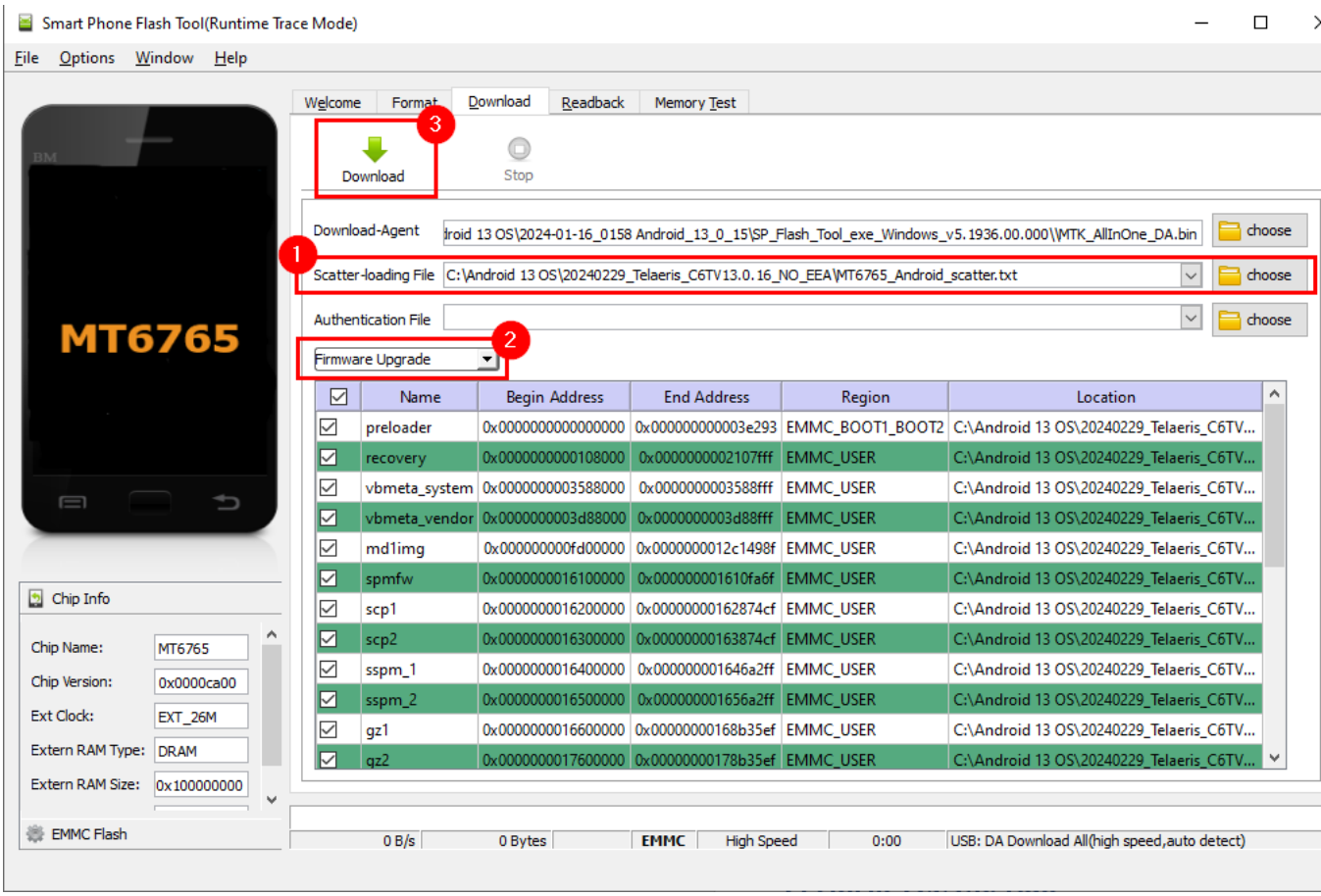
2. Open **flash_tool.exe**.



3. Choose the Scatter-loading file ***MT6765_Android_scatter.txt*** in the ***20240229_Telaeris_C6TV13.0.16_NO_EEA directory.*** Set the Dropdown to ***Firmware Upgrade***. Then Click ***Download.***

   The Download-Agent should already be selected. But If needed, Select the* ***MTK_AllInOne_DA.bin *file from the SP_FlashTool Directory.***

   DO NOT Select* ***Format All + Download *as this will wipe IMEI, serial number, and other data which would need to be restored.***

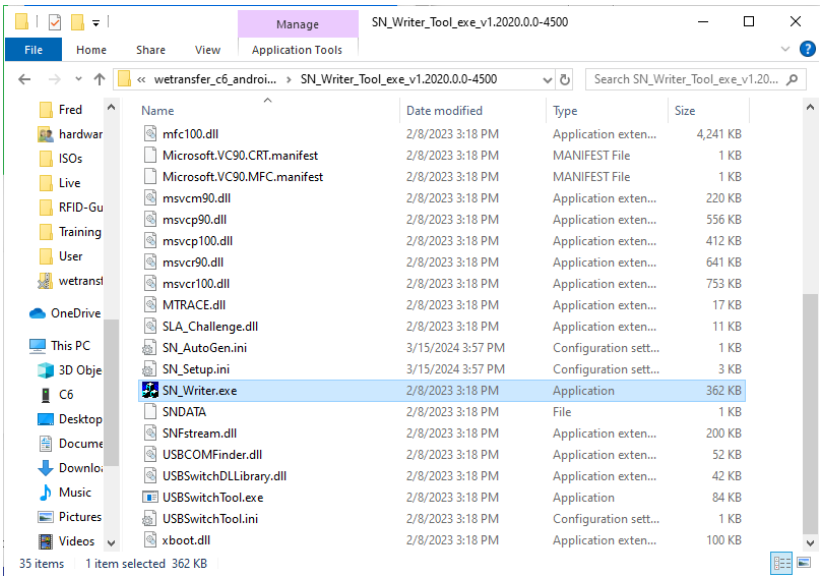


4. Plug in the XPID200. The Device will automatically connect and start downloading. The process is completed when you see the Success checkmark. Do not start the Device yet.

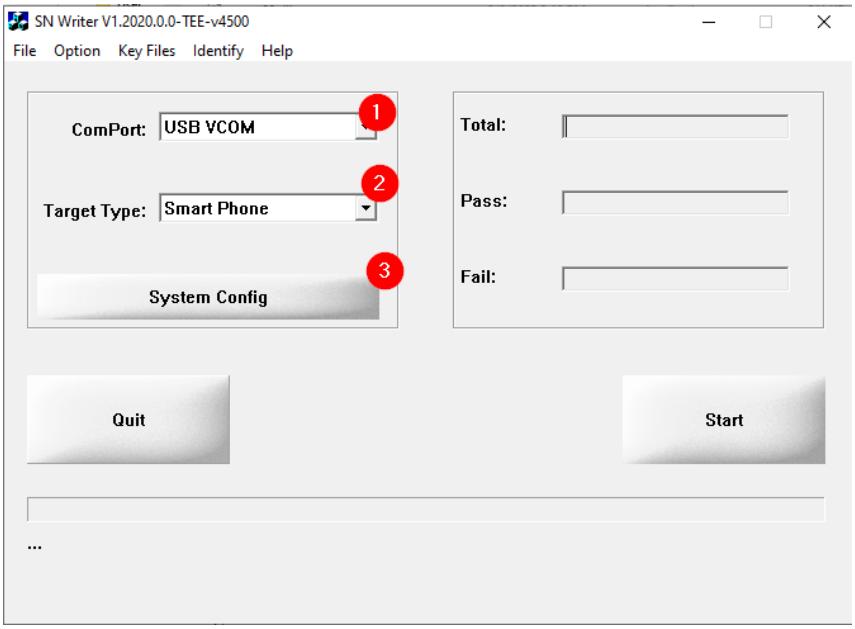
Perform TEE Upgrade

1. Unplug the XPID200 from USB. The battery should be kept inside the XPID200.

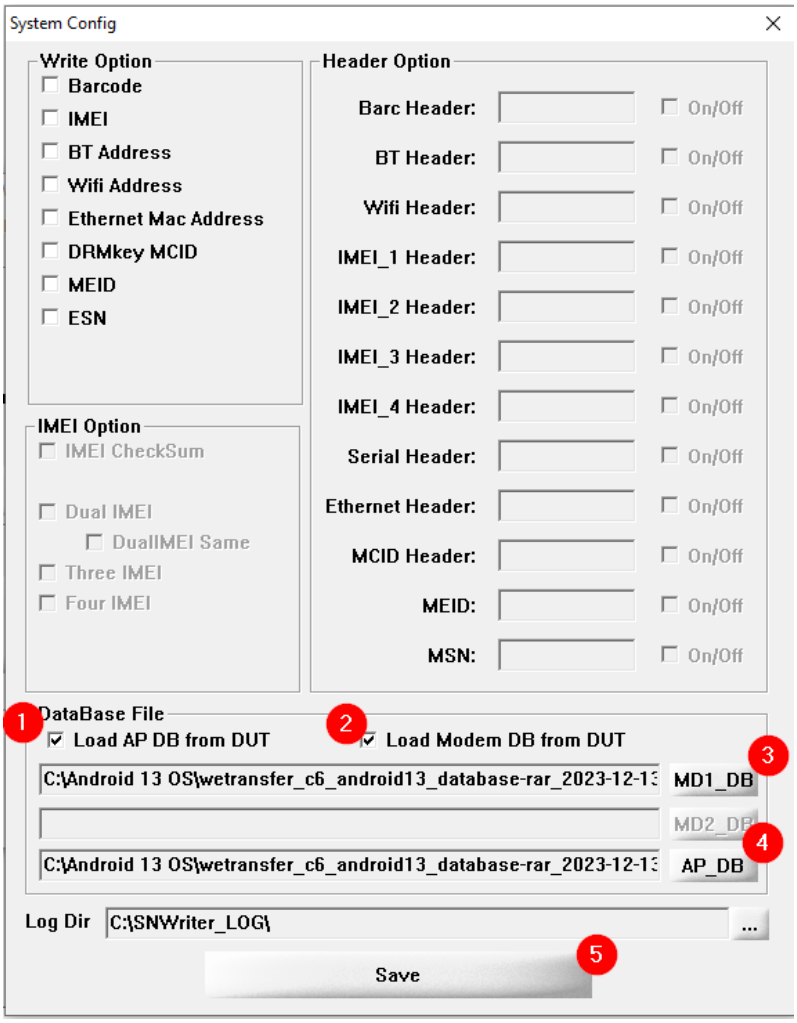
2. Run the ***SN_Writer.exe*** in the SN_Writer_Tool Directory.



3. Set the ComPort as **USB VCOM** and Target Type as **Smart Phone.** Then click ***System Config***.



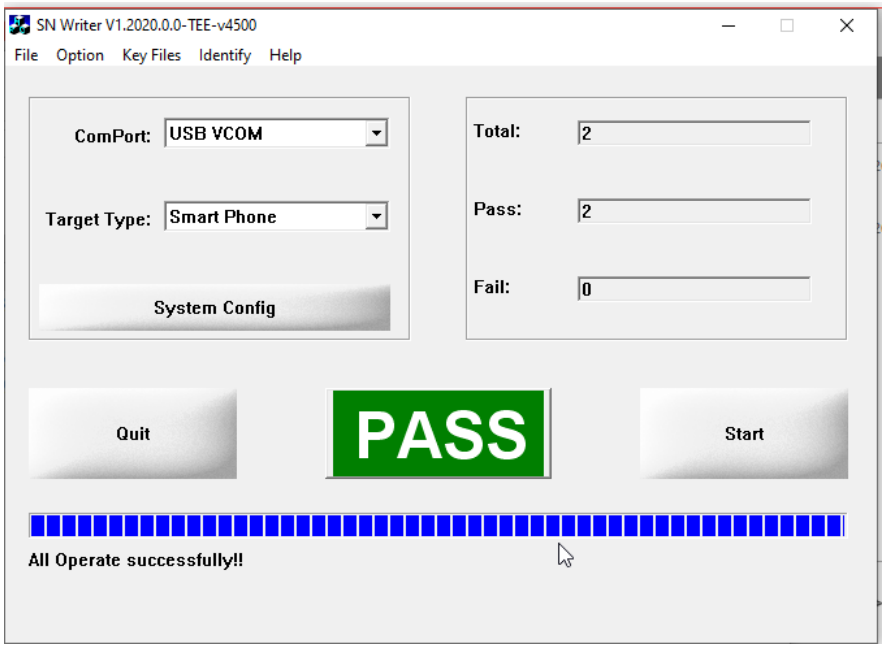
4. Upload the AP DB and Modem DB files and uncheck everything except *Load AP DB from DUT* and *Load Modem DB from DUT*. Click Save.



5. Click *Start*.

6. **Immediately** plug the device into USB. You should hear the connection sound in Windows immediately followed by the disconnect sound. After a few more seconds you should hear the connection sound again.

7. Wait until you see ***PASS*** for success.



Set up the XPID

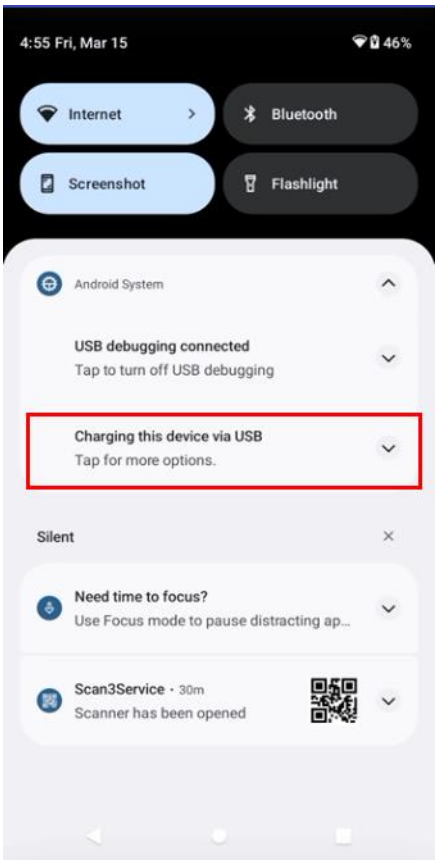
Starting the XPID200

Once the OS update and TEE upgrade has been applied. Start the XPID200. After a few minutes, you will see the Android Welcome page. Then follow part a or b:

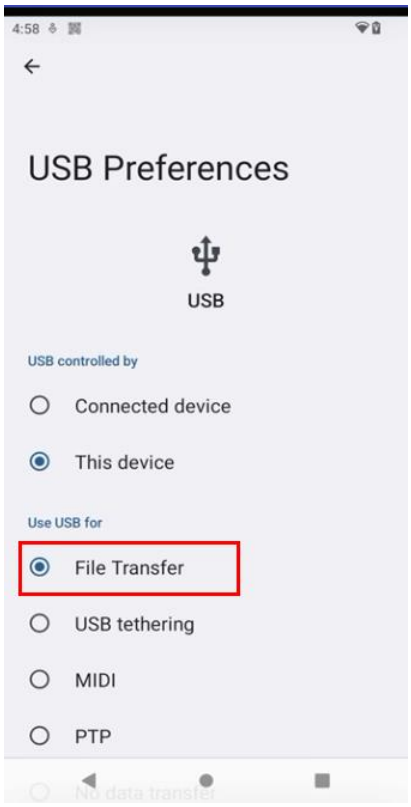
a. Set up the device according to your Mobile Device Manager's (e.g. Intune) instructions.
b. Proceed through the Welcome instruction. Please note that it is not required to connect to Wifi, Cellular through SIM card, or sign into a Google account during any of these steps and you may skip any or all of these.

Installing the XPID XPressEntry Applications.

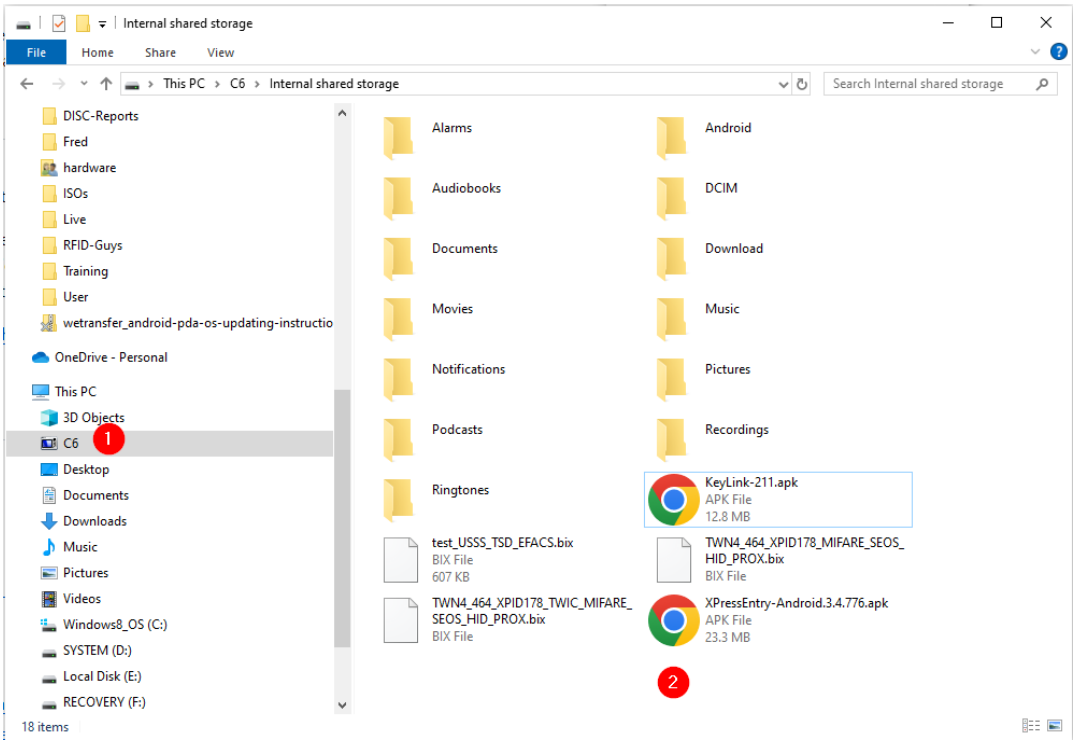
1. Download the XPressEntry Application from https://telaeris.com/downloads You will need to download both **XPressEntry Android** and **Keylink Android** apk files**.** Download the latest versions.
2. If connected to the internet on the XPID200s, you can download directly on the device.
3. If not then transfer the apk installers over USB:
    a. Connect the USB Type C cable. Then swipe down from the status bar at the top. Expand the *Android System* Notification and tap *Charging this device via USB*



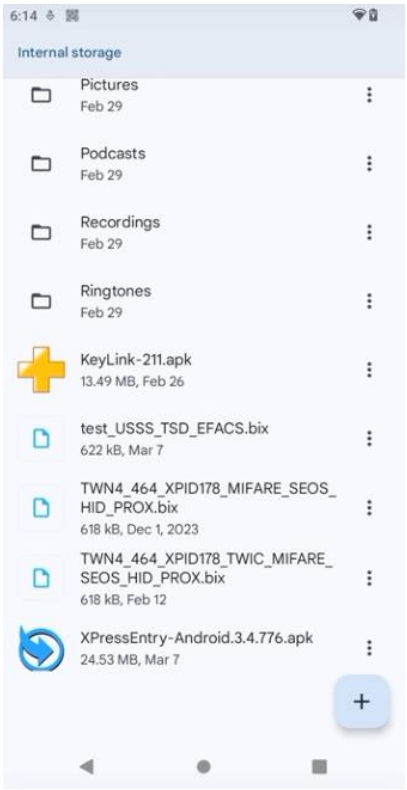
b. Select File Transfer



c. Transfer the files to the internal shared storage directory on the device.



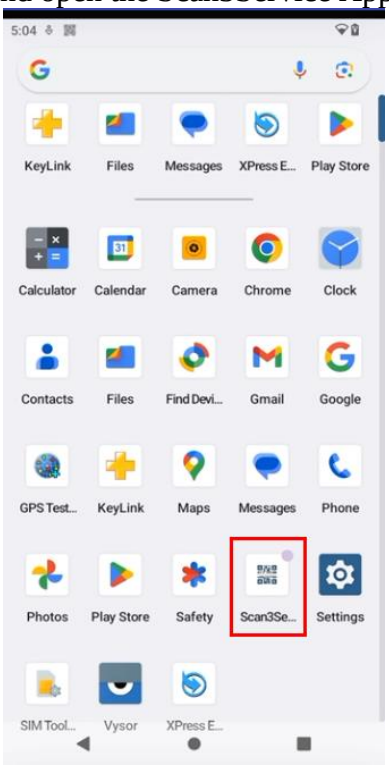
d. Swipe up on the bottom and open the Files App. Navigate to the internal shared storage, and click on the copied apk files to install both XPressEntry and Keylink.



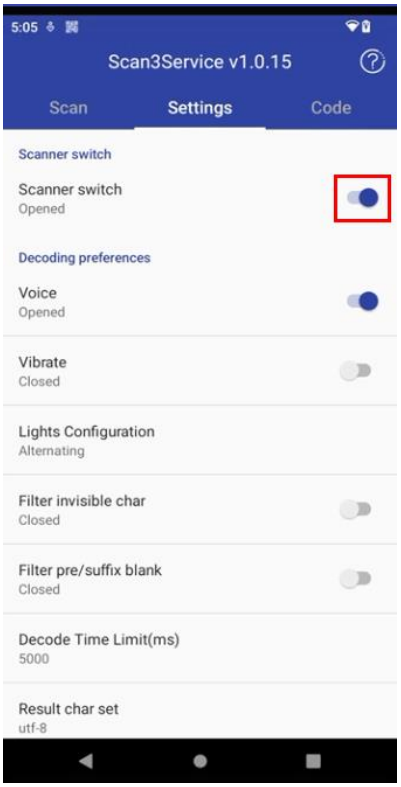
Set up Keylink and Barcode

If using Barcode, we need to disable the Key listeners in the Demo Barcode App:

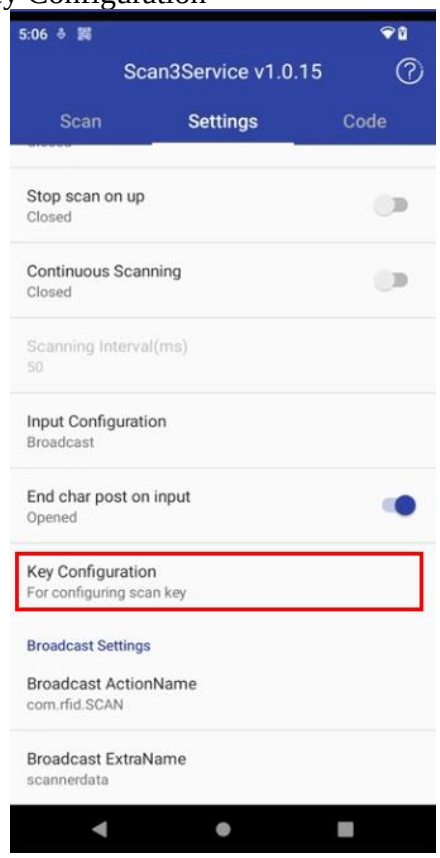
1. Swipe up from the bottom and open the Scan3Service App.



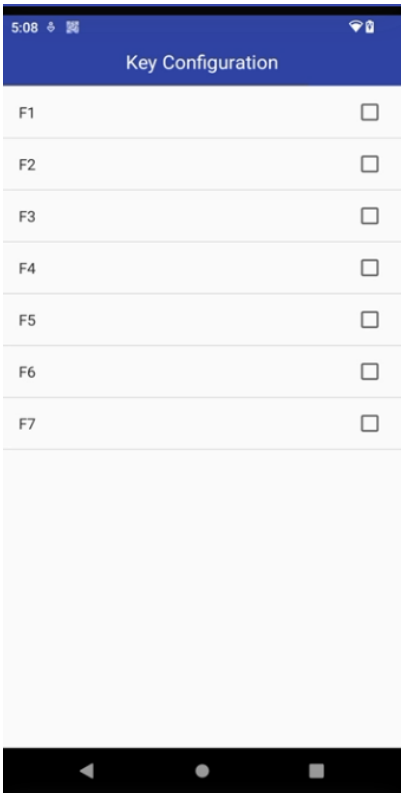
2. Toggle the Scanner switch to ON



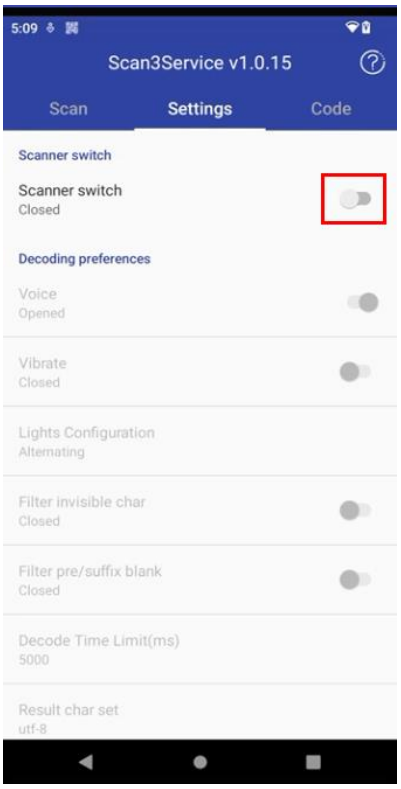
3. Scroll down and Click Key Configuration



4. Uncheck all F1-F7 buttons

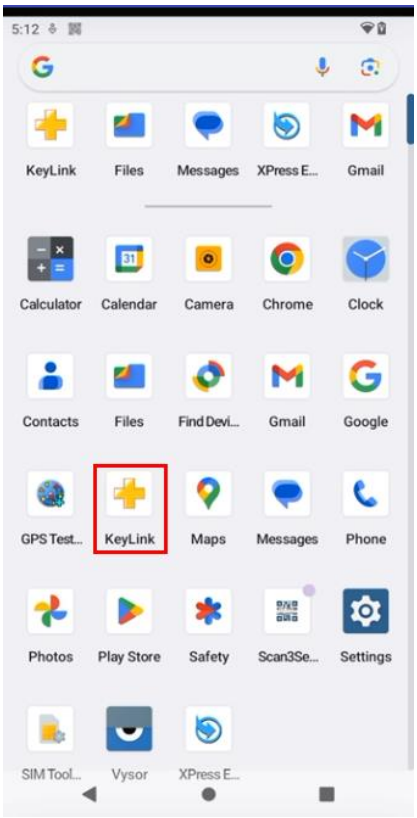


5. Click the back arrow, then switch off the Barcode.

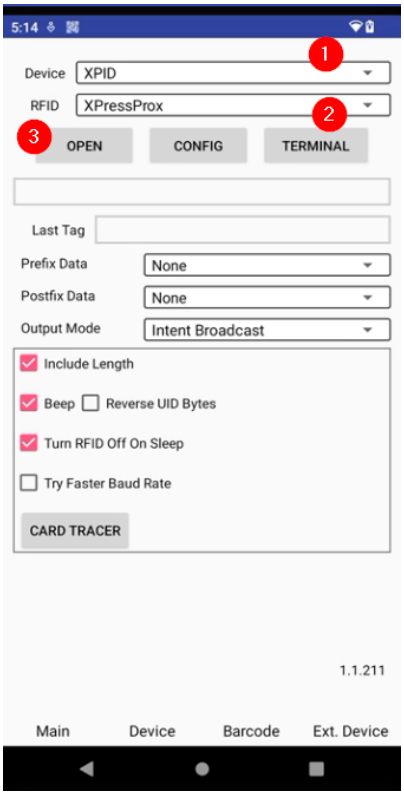


Next, we will set up the RFID reader and Barcode in Keylink:

1. Click the Home (*circle, bottom middle*) button to return to the home screen. Swipe up again and open the Keylink Application.

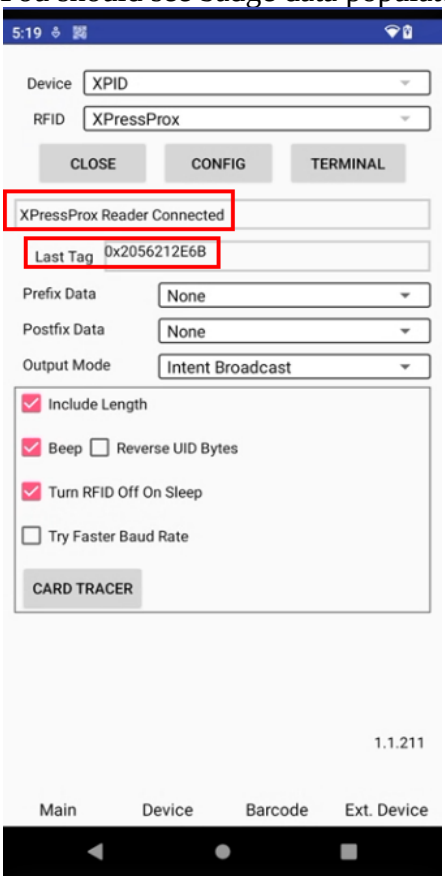


2. Connect the RFID reader. For most, the internally mounted RFID is the XPressProx module. Set the Device to ***XIPD*** and the RFID to ***XPressProx***. Then click open.

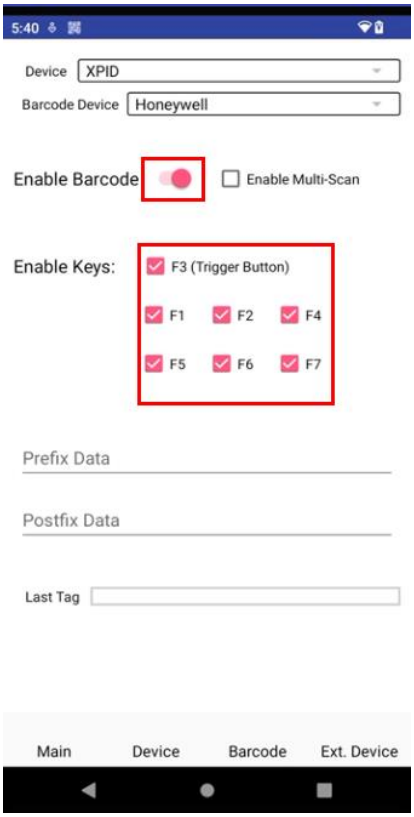


3. After a few seconds, you should see *XPressProx Connected* and can confirm by scanning

your RFID enabled badge. You should see badge data populate the *Last Tag Field*.



4. If using Barcode, switch to the barcode tab. Set the barcode reader type, Default Barcode module is ***Honeywell***, and toggle ***Enable***. Check the appropriate hardware buttons for the barcode trigger.



5. Keylink Services are now connected and set up. These setting will persist through device restarts and will automatically reconnect the RFID and Barcode services upon boot without needing to open Keylink.

Setup XPressEntry Application

1. In order to connect to XPressEntry Server, you will need to set up a network connection. This can be through WIFI, docked Ethernet, or cellular. Set up the XPID200 with the appropriate network connection before continuing.
2. Return to the home screen and open the XPressEntry Application. Accept any permission requests and you will be greeted by the following page

3. Enter the appropriate IP address and port of the XPressEntry Server as well as the Admin Login and Password, or use the *Add Handheld Wizard* within XPressEntry Server and click ***CONNECT***. You should see a green box appear on the XPID200 screen showing the Full sync download with the XPressEntry Server. Once completed you should see the ***Present Badge*** screen.

4. Test Scan your badge to confirm functionality.