AxzonConnect™ Mobile Edition User Guide

Introduction:

AxzonConnect™ is Axzon's semantic software platform designed to operate and manage NuroVault™ (Axzon's Peel & Stick Opus based Loggers) population. It's primary function is to Find, Arm, Monitor NuroVaults™, and Manage,and Download their data. Current application is designed to operate with Zebra's RFD40 mobile sled readers with Zebra's TC27 mobile Android computer, able to handle all necessary data management resulting in a true turn-key, plug-and-play solution.

Home Screen:

Use this screen (Fig.1) to select the reader location in the map. The coordinates and the address will be saved in the same file as the logged data.
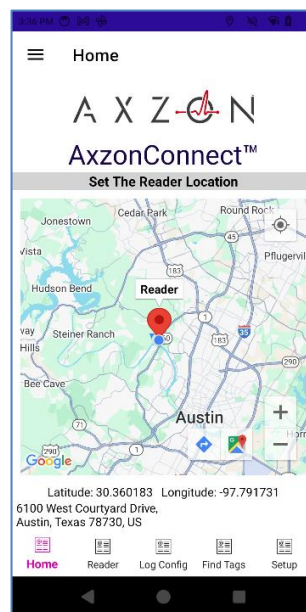

Fig.1

Reader Screen:

Use this screen (Fig.2) to select which reader to use. Tap the reader name to connect the application to that reader The reader has to be previously paired with the mobile computer in order to show up in this screen.
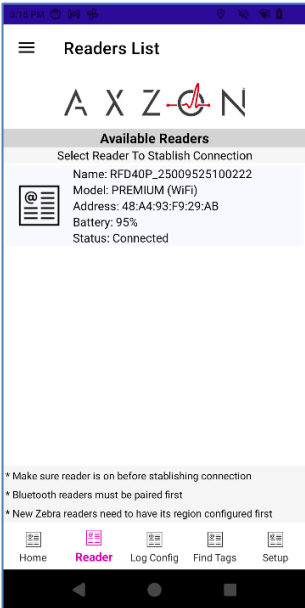

Fig.2

Logging Configuration Screen:

Use this screen (Fig.3) to define the desired logging configuration the will be used by the NuroVault™ tag after being armed.
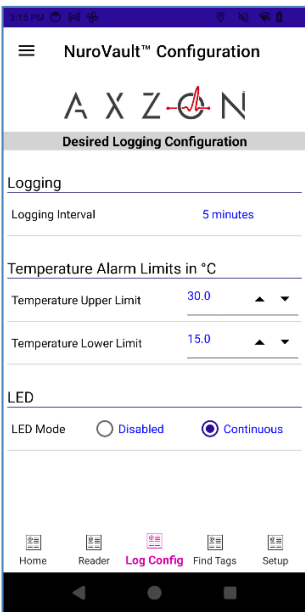

Fig.3

Find Tags Screen:

Top of the screen includes a selection bar for the RF power level. Adjust the power level according to the distance to the tags. Use the low setting for distances under 30 centimeters. For distances between 30 centimeters and one meter use the medium setting. For more than one meter use the high level.

Use this screen to Find Tags (Fig.4) while pressing the trigger of the reader. Keep the trigger pressed for as long as needed. For each tag the screen will show its EPC, status, alarms, battery voltage and temperature. The screen shows the number of loggers read.

To arm tags select the Arm Tags option (Fig.5). Then select the tag that needs to be armed by pressing your finger on the desired EPC number. Use the trigger of the reader to perform the arm operation. The screen shows when the tag is armed.

After arming a tag Download screen (Fig.6) can also be used to download the logged data from the tag. Select the Download option first by pressing your finger on the desired EPC number and then select the tags that will have their logged data downloaded. Use the trigger of the reader to perform the download operation. Keep the trigger pressed until the reader downloads all the available temperature samples. The screen shows the number of samples being downloaded.
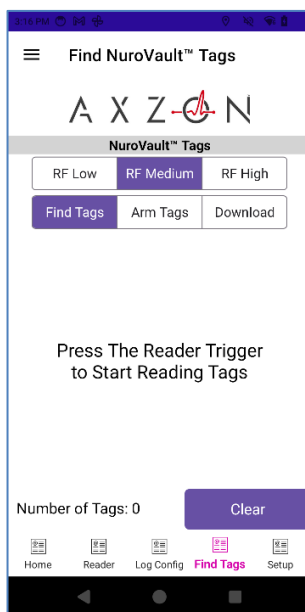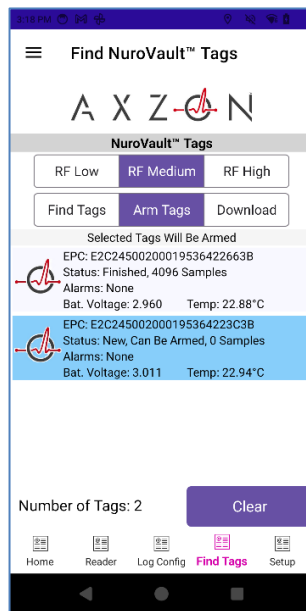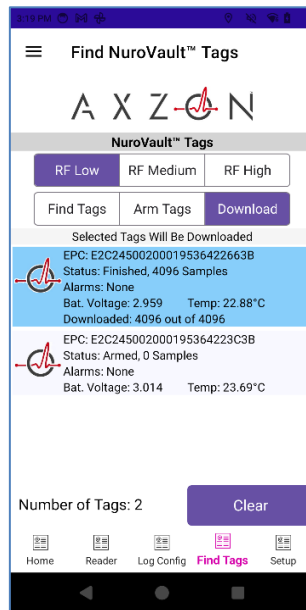

Fig.4

Fig.5

Fig.6

Downloaded Logged Data:

At the end of every download of logged data a comma separated file will be created in the Download folder of the mobile computer. The file name is the EPC with the timestamp appended. Here the file can be easily shared or open with an application like Google Sheets (Fig.7).
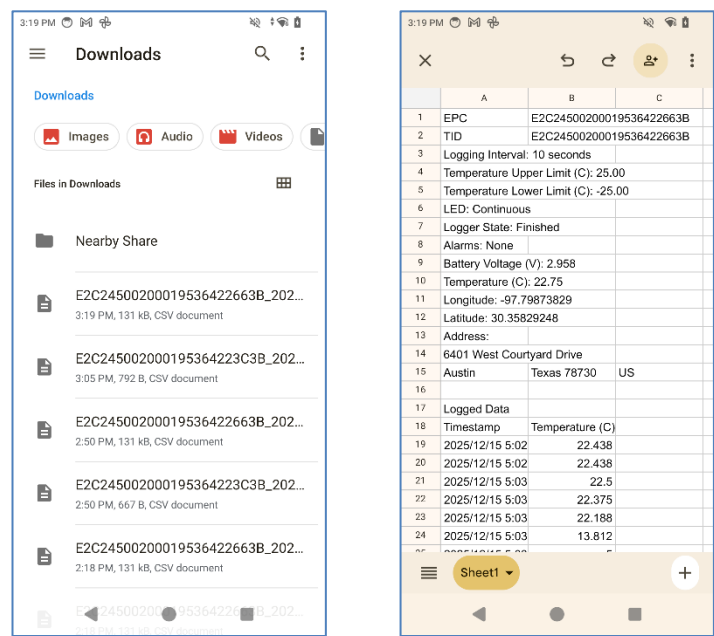

Fig.7