InnoSpectra Corporation

ISC Android SDK User's Guide

Sep. 4, 2018

RISE

Responsibility Innovation Superiority Entrepreneurship

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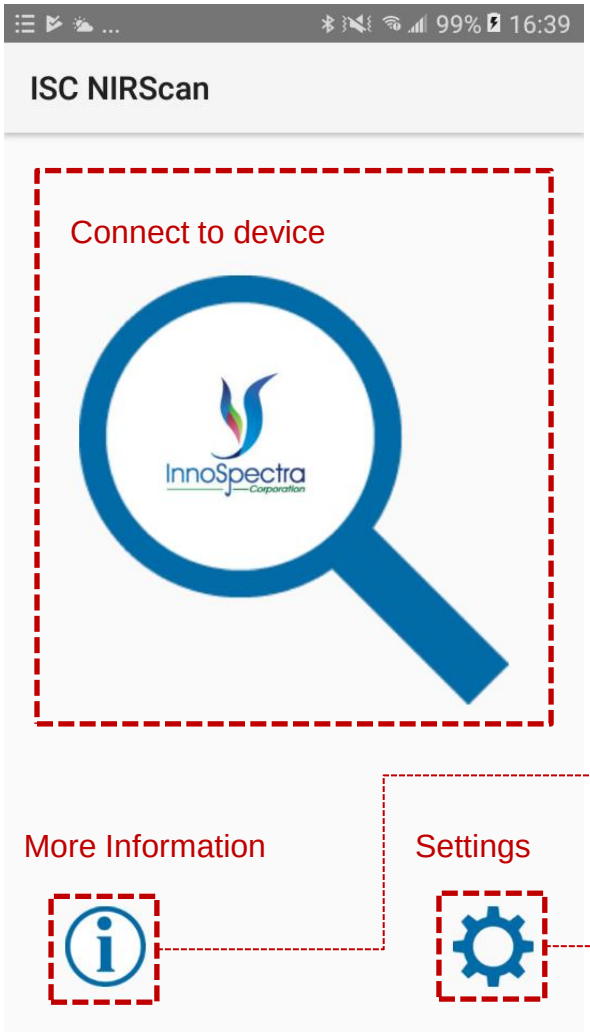
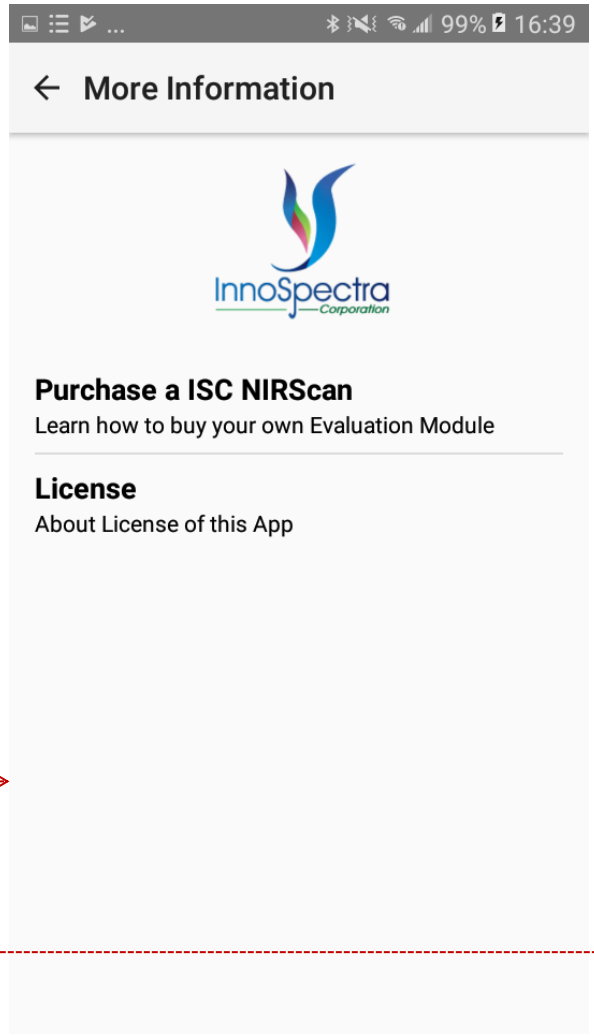
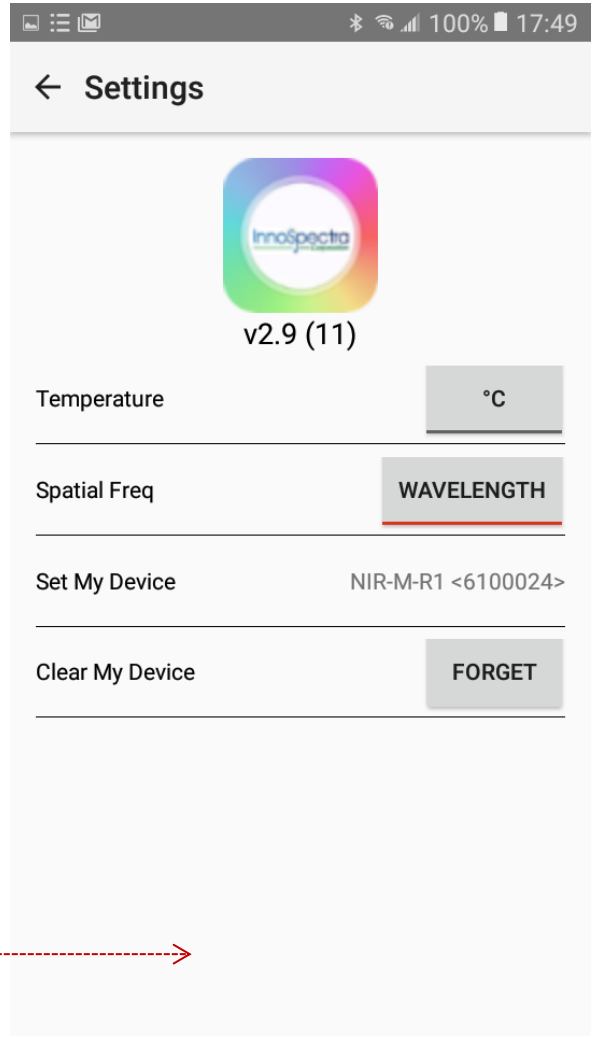
INTRODUCTION

Main Page

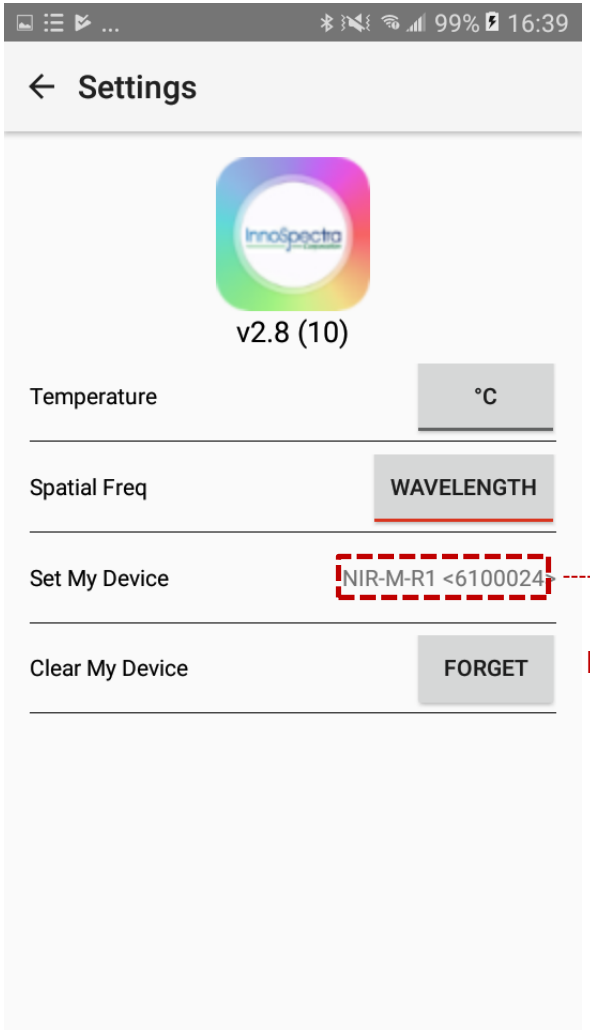

99% 16:39
ISC NIRScan
Connect to device
InnoSpectra Corporation
More Information
Settings


99% 16:39
More Information
InnoSpectra Corporation
Purchase a ISC NIRScan
Learn how to buy your own Evaluation Module
License
About License of this App

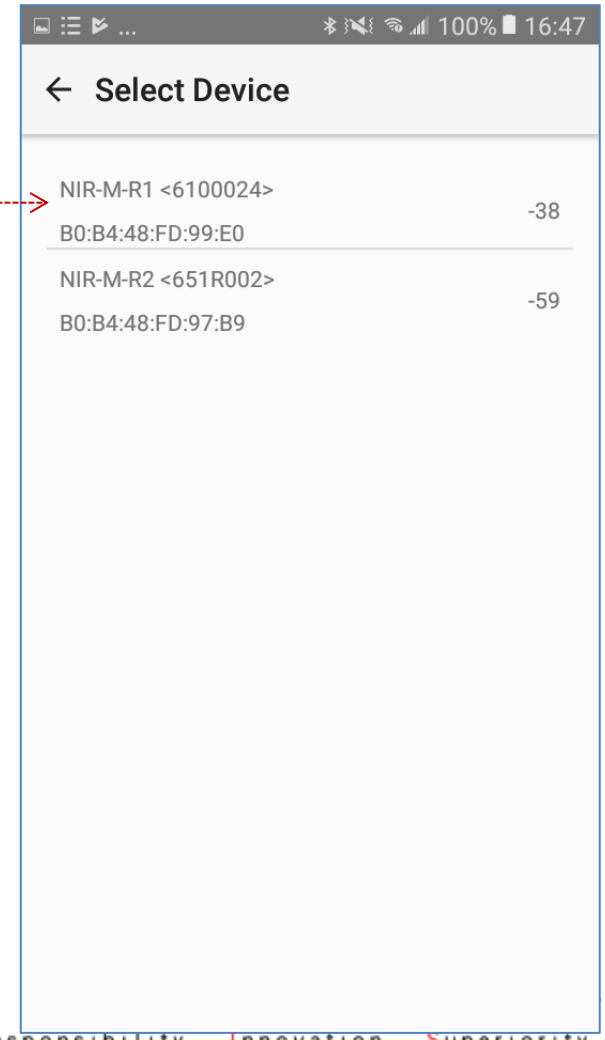

100% 17:49
Settings
v2.9 (11)
Temperature
°C
Spatial Freq
WAVELENGTH
Set My Device
NIR-M-R1 <6100024>
Clear My Device
FORGET

Select the device

- First user should go to setting page from main page and select the device.

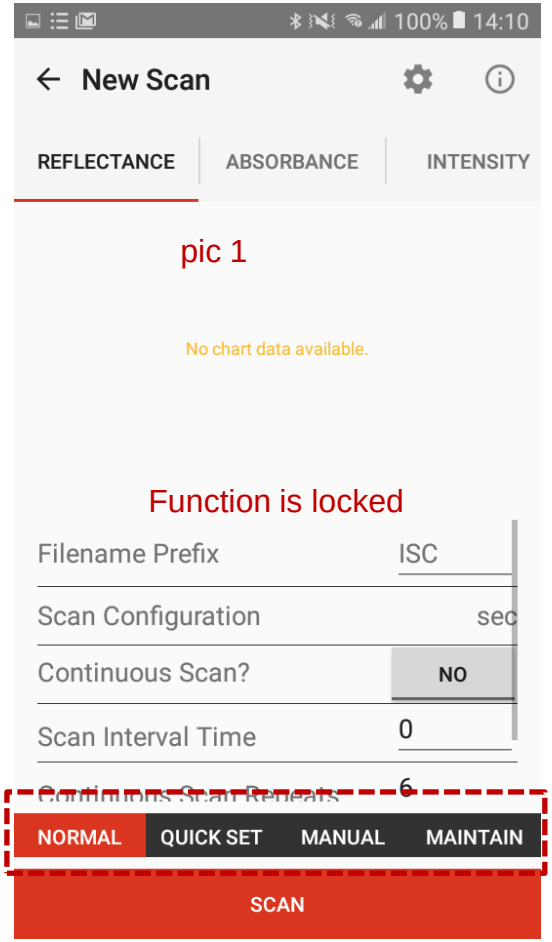


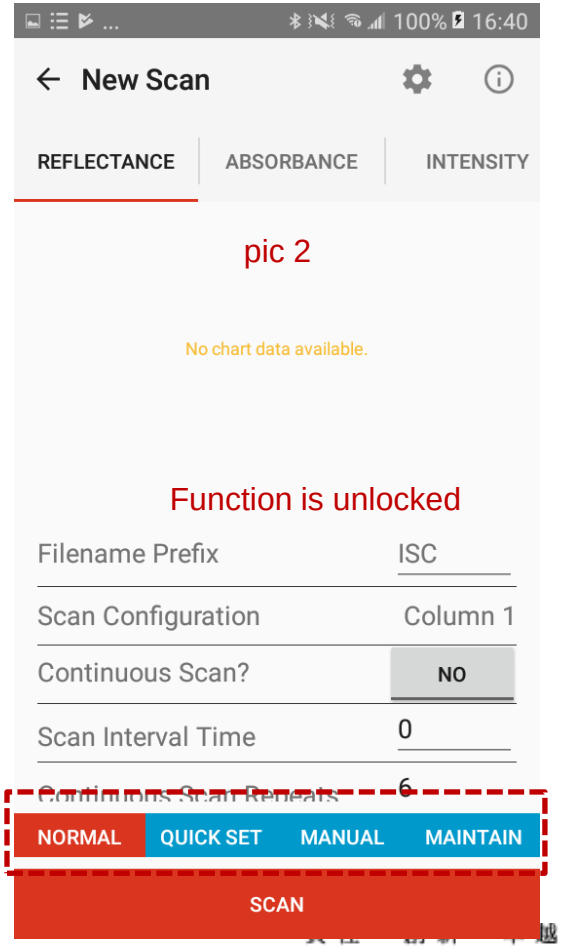
Press to select device



Connect to Device

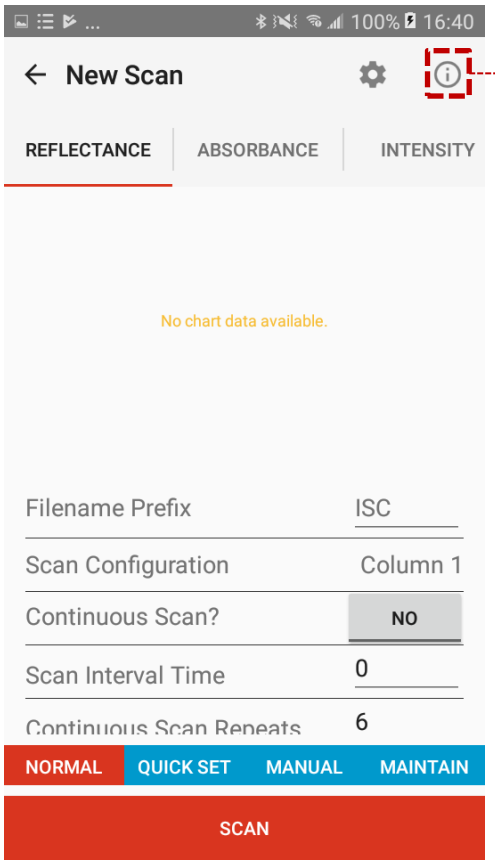
- Second, user can press connect to device from the main page then go to the scan page.
- There are two scan pages. If function is locked user will see pic 1. If function is unlocked, user will see pic 2.

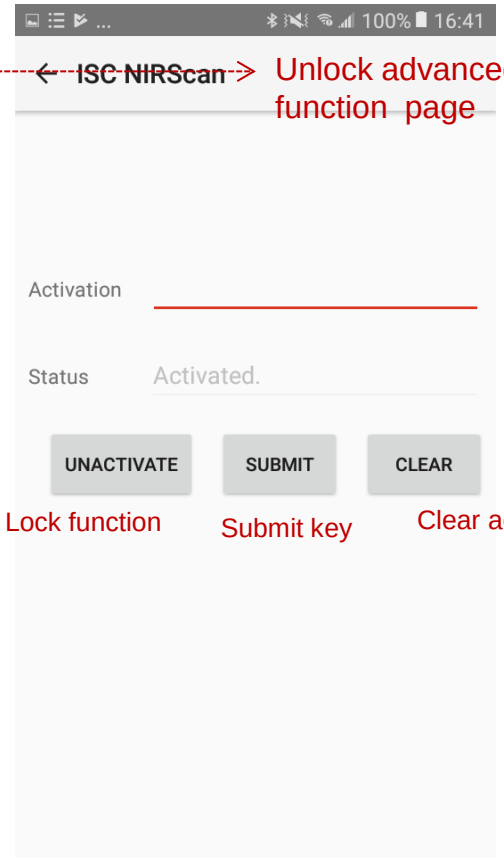




Unlock Advanced Function Page

- User can input key in activation filed then press submit. If advanced function is unlocked, the status will show “Activated”. If advanced function is locked, the status will show function is locked.
- User press unactive button. The function will lock and the status will show function is locked.
- User press clear button. The activation field will clear.





Unlock advanced function page

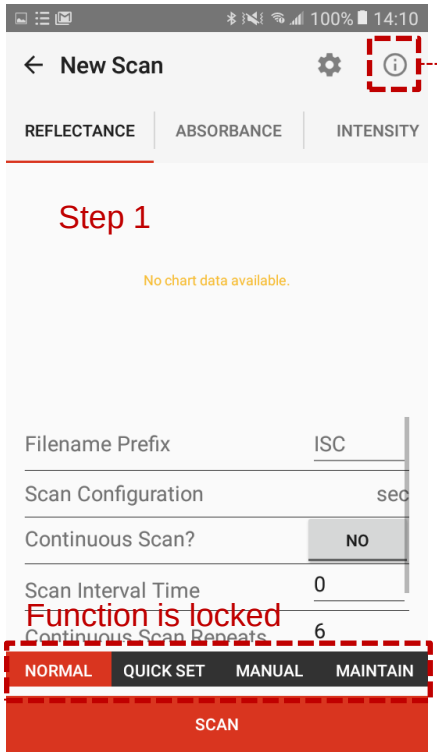
Lock function

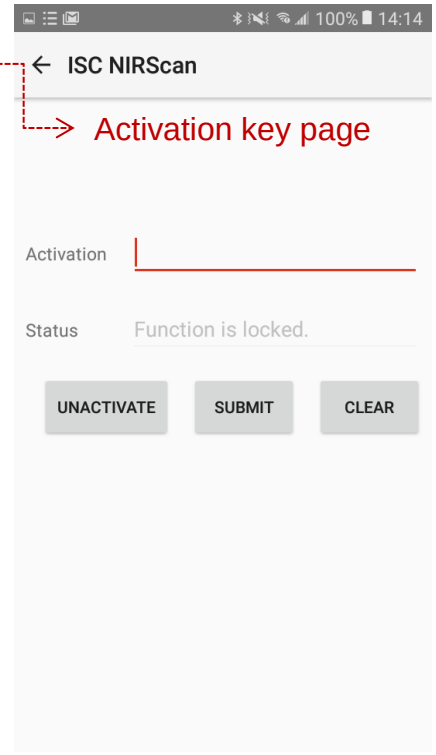
Submit key

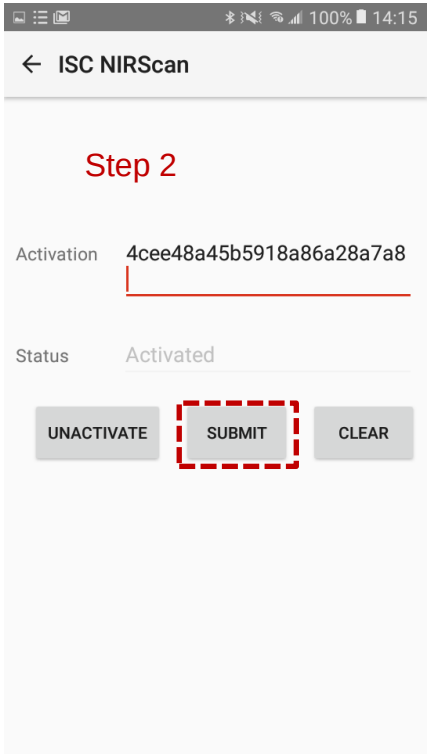
Clear activation field

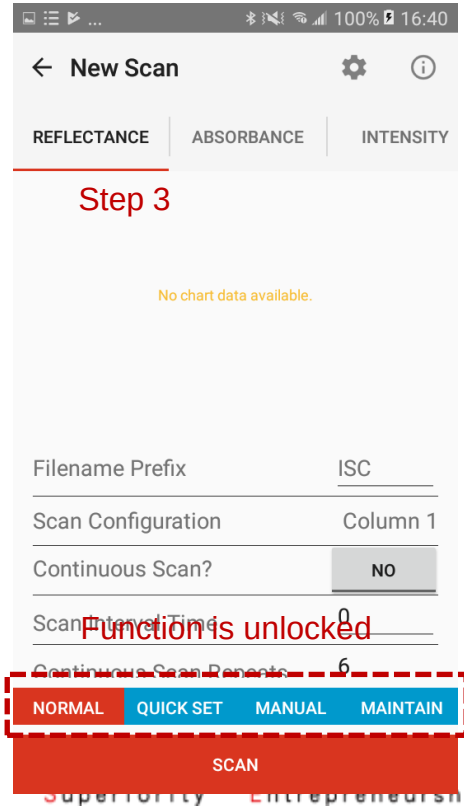
How to Unlock Advanced Function

- Step 1: Press button to go to activation key page. User can see the status is “Function is locked” .
- Step 2: Input key then press “SUBMIT”. The status will change to “Activated” when user input correct key.
- Step3: Back to scan page. The function will unlock.



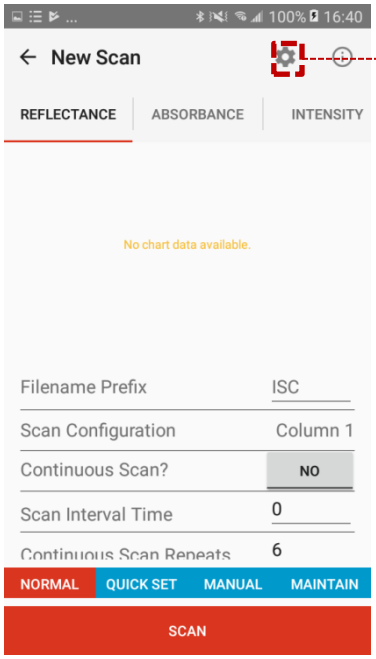


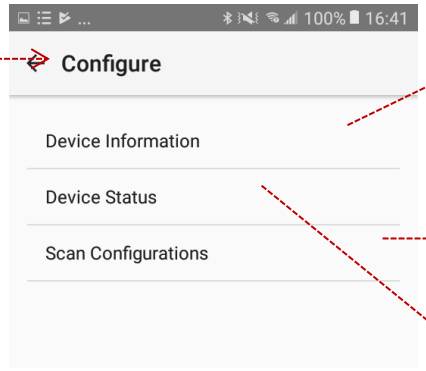


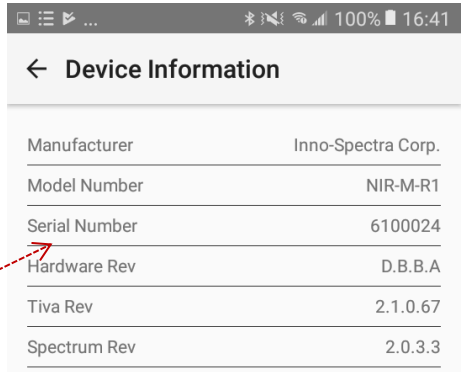


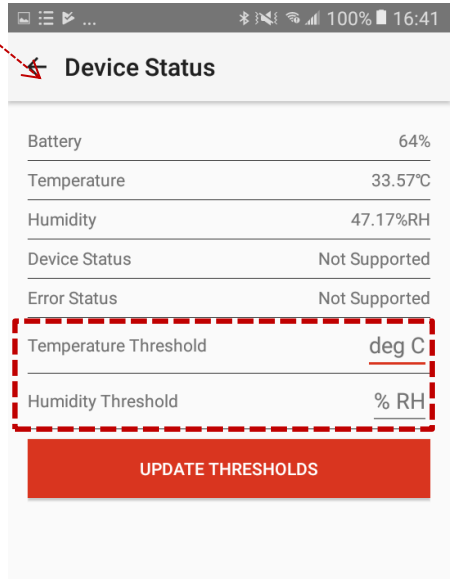
Configure Page

- User can go to configure page from scan page.

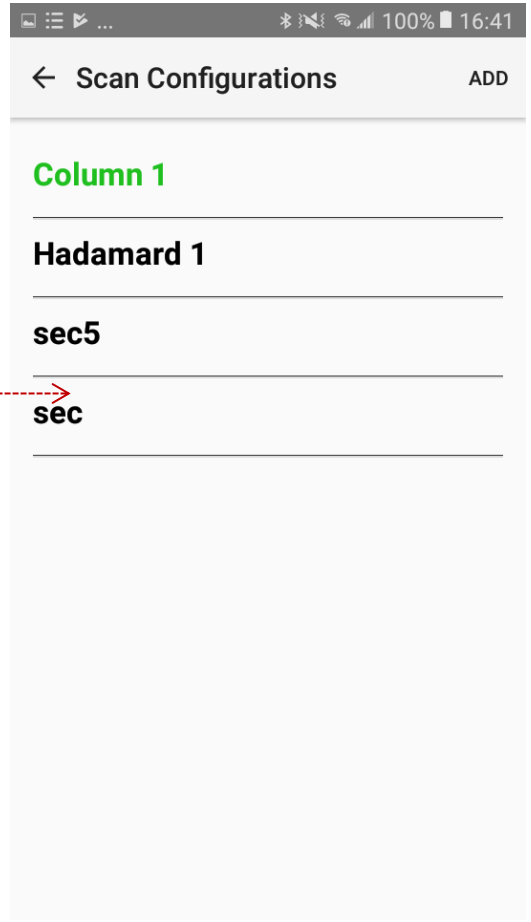






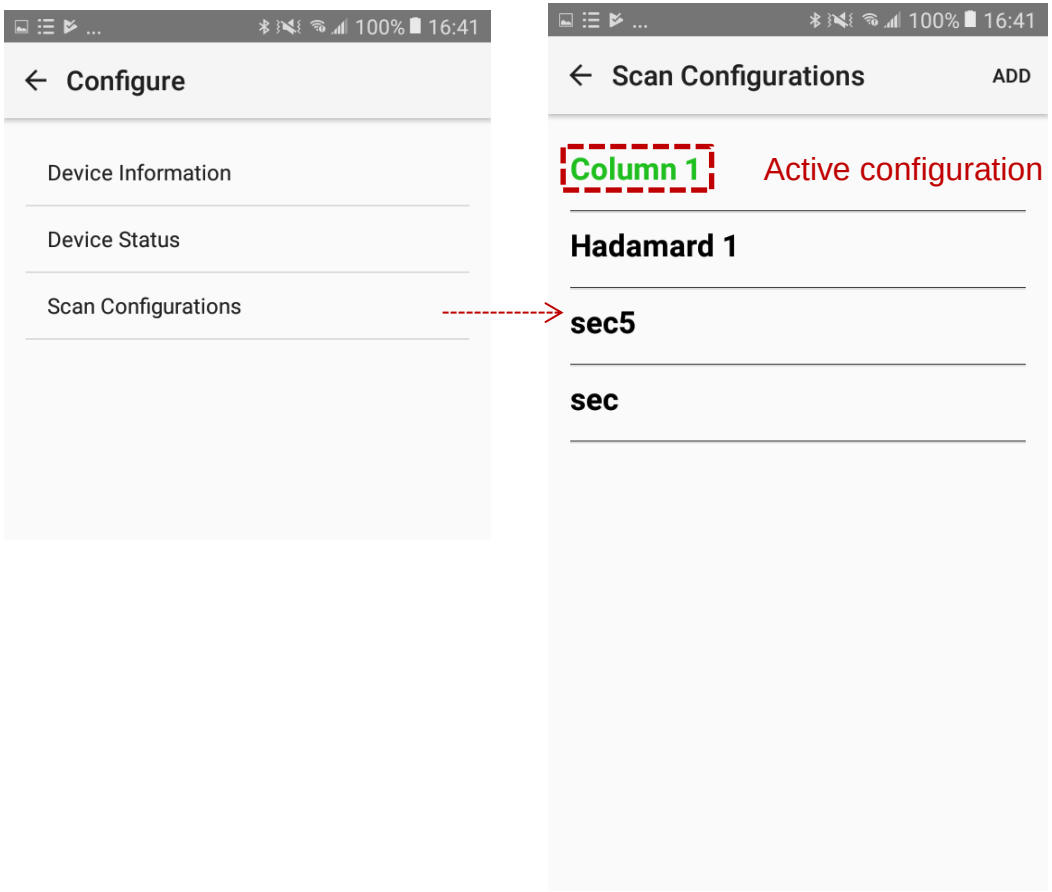


Not implement



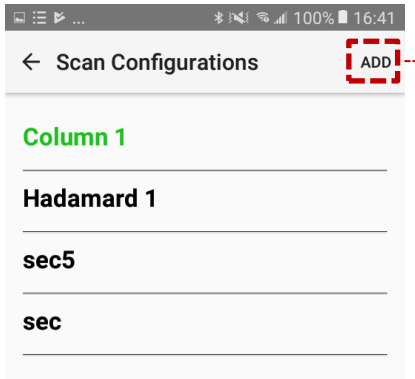
Scan Configurations Page

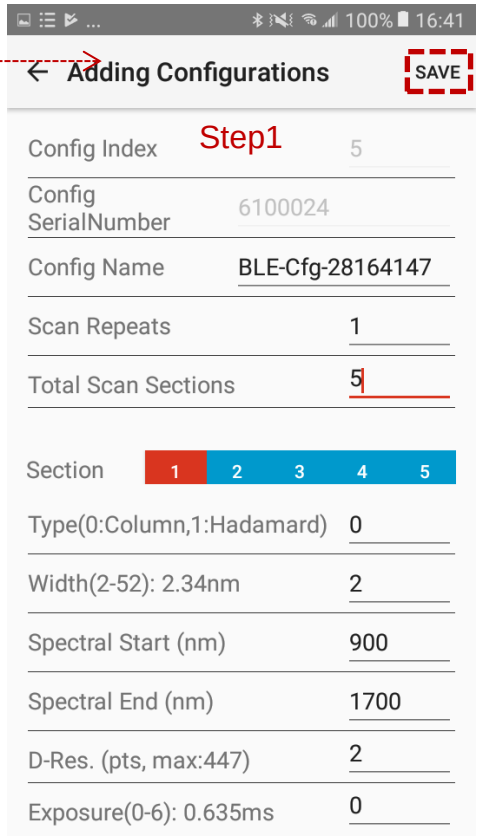
- Scan configurations page will show the configurations saved in device.
- The green is represented the active configuration.
- User can press other configuration to change the active configuration.
- The active configuration is used to default configuration.

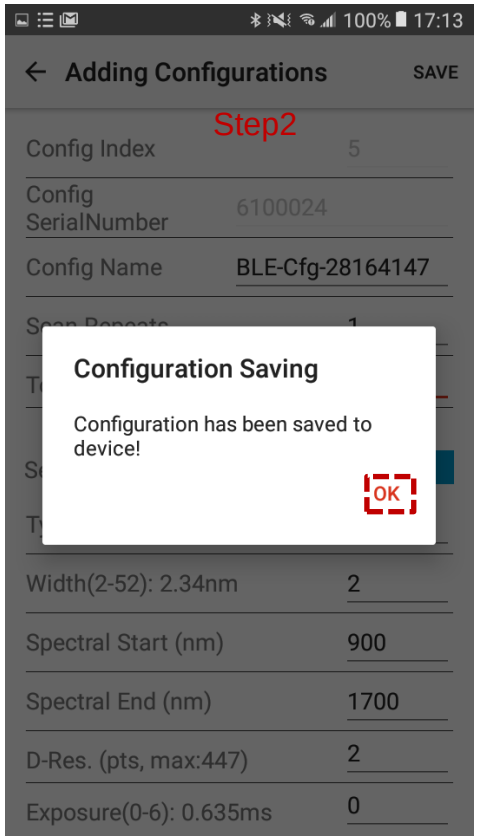


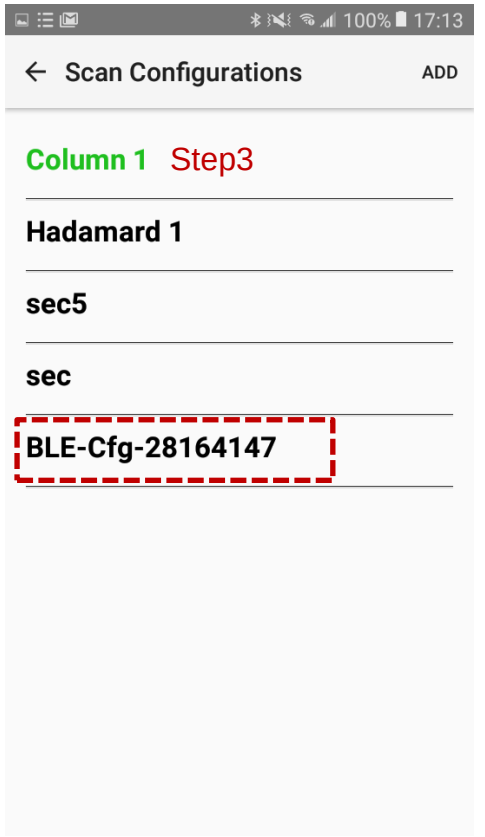
Create A Scan Configuration

- Step 1: Input config name, scan repeats, total scan sections, and section info then save.
- Step 2: Press “OK” when pop out configuration saving dialog. The app will back to scan configurations and re-download config.
- Step 3: The config will list to scan configurations.



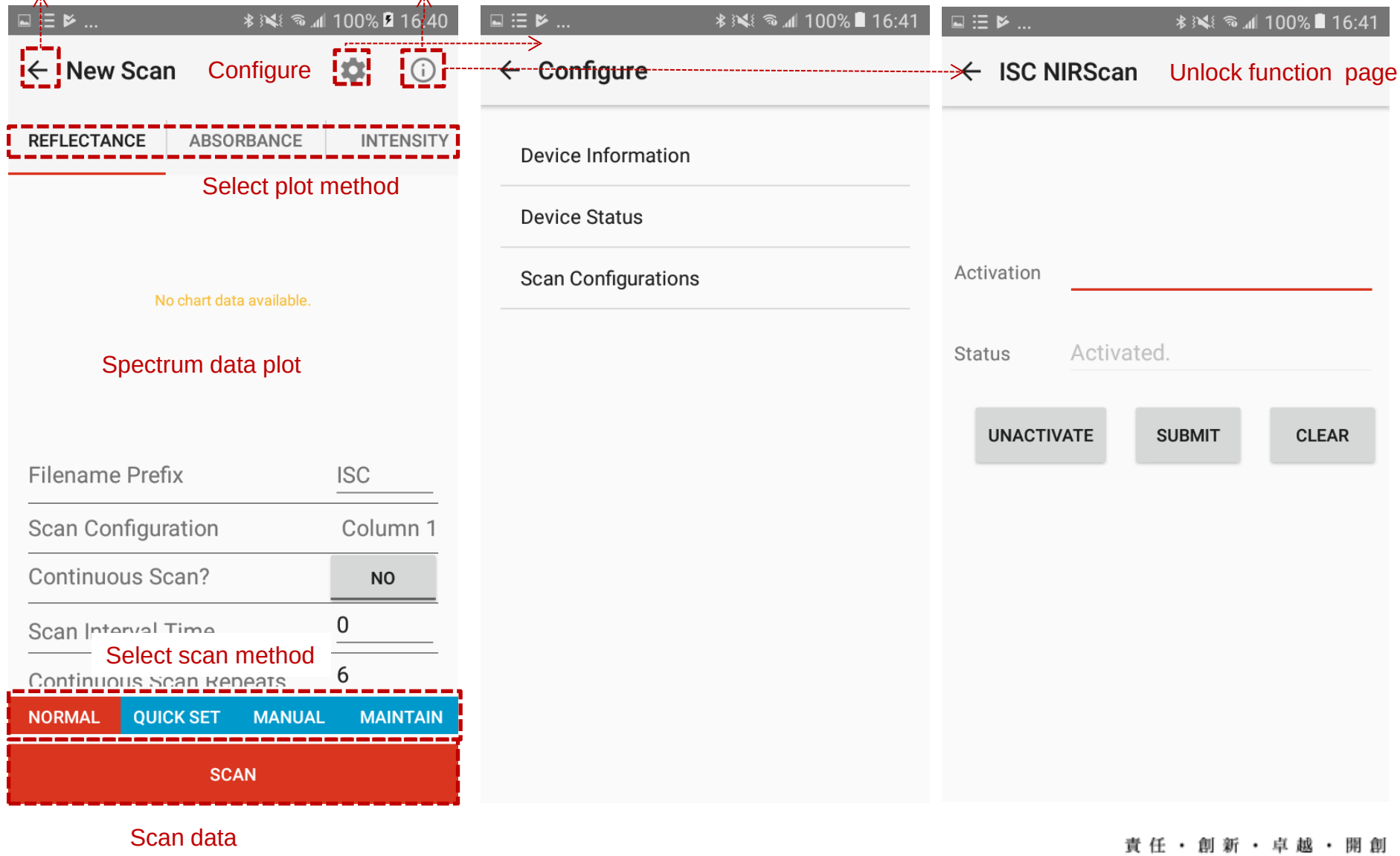






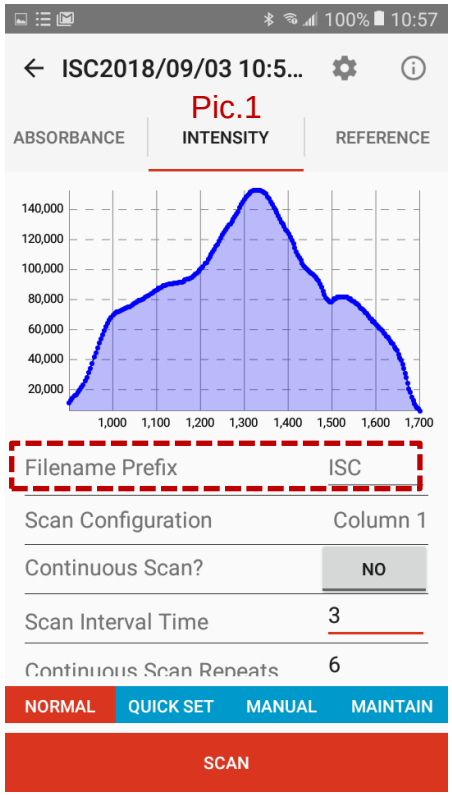
PERFORMING A SCAN

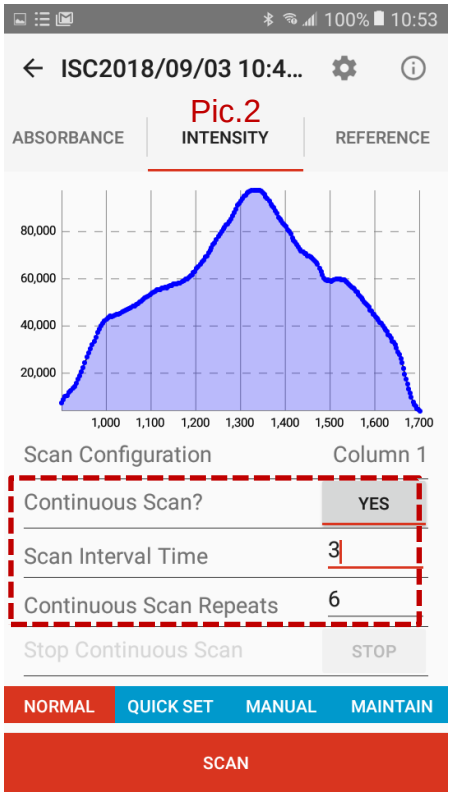
Scan Page

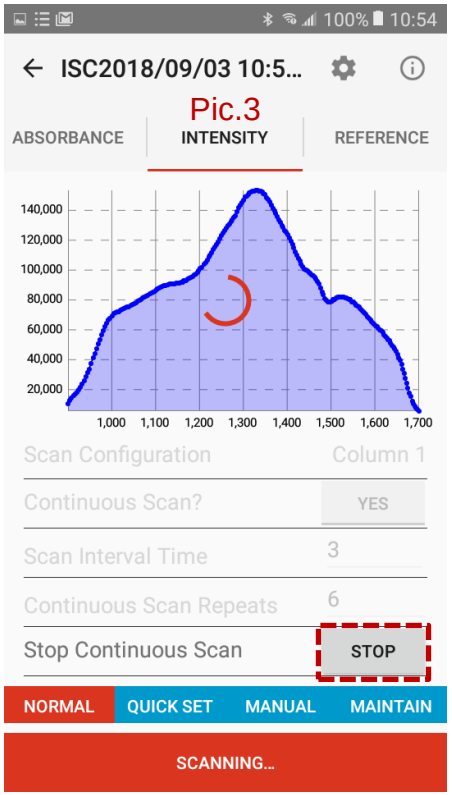

Back to main page
and disconnect to device
Unlock function page
New Scan
Configure
REFLECTANCE
ABSORBANCE
INTENSITY
Select plot method
No chart data available.
Spectrum data plot
Filename Prefix
ISC
Scan Configuration
Column 1
Continuous Scan?
NO
Scan Interval Time
0
Select scan method
Continuous Scan Repeats
6
NORMAL
QUICK SET
MANUAL
MAINTAIN
SCAN
Scan data
Configure
Device Information
Device Status
Scan Configurations
ISC NIRScan
Unlock function page
Activation
Status
Activated.
UNACTIVATE
SUBMIT
CLEAR

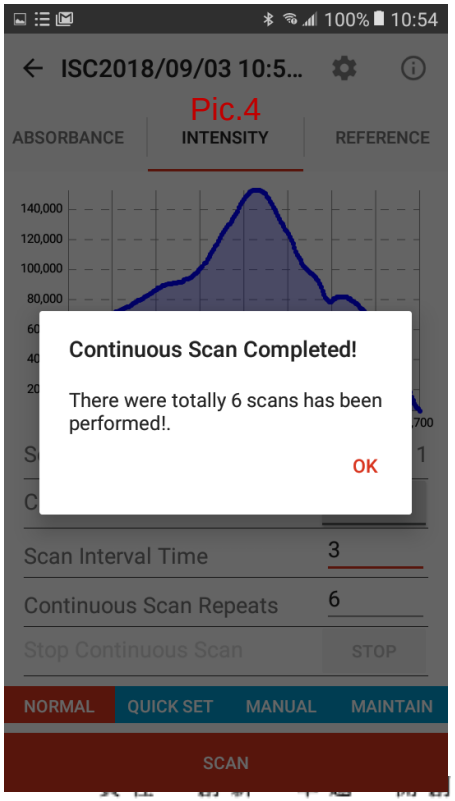
Normal Scan

- Press “SCAN”, the result will show in the plot and save .csv in the phone. The file path is Documents/ISC_Report/ . User can modify filename prefix before scan (Pic.1).
- If user want to continuous scan, open continuous scan and set scan interval time and continuous scan repeats (Pic.2). User can press “STOP” to stop scan in continuous scan mode (Pic.3). After continuous scan complete, will pop out dialog (Pic.4).



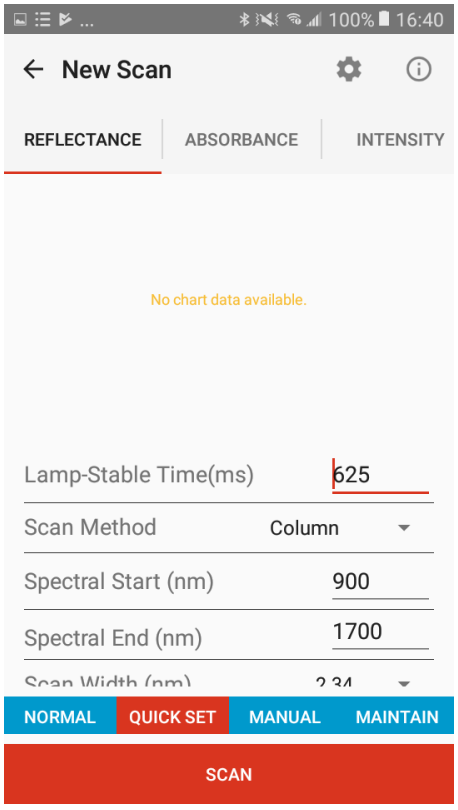


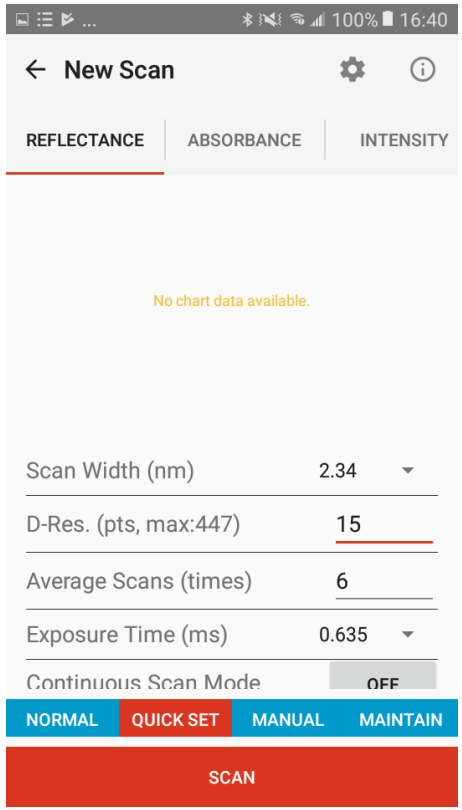


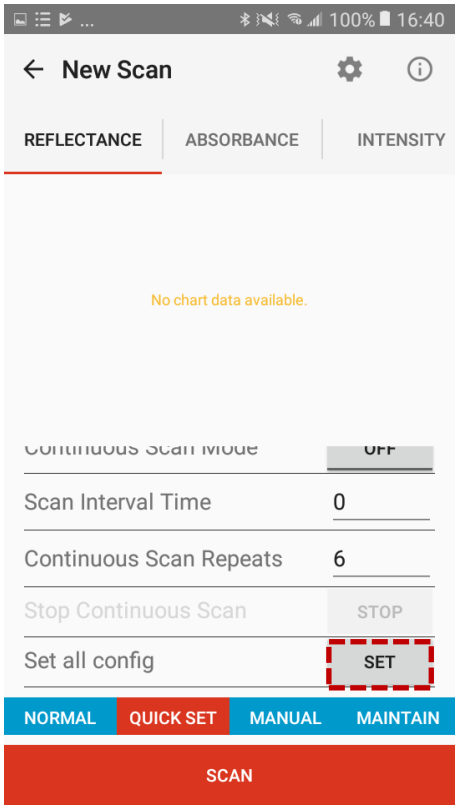


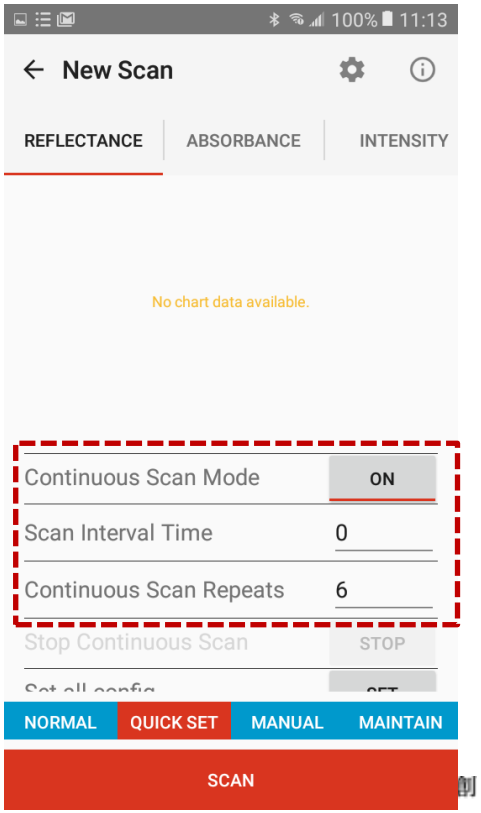
Quick Set Scan

- User can set parameter individual in quick set mode. **Before scan, user should press “SET” to set all configuration to take effect.**
- If user want to continuous scan, open continuous scan and set scan interval time and continuous scan repeats . User can press “STOP” to stop scan in continuous scan mode.



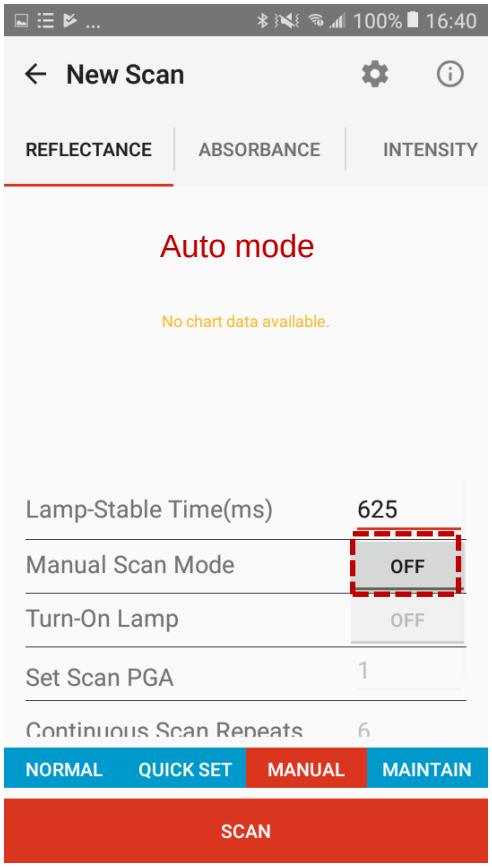


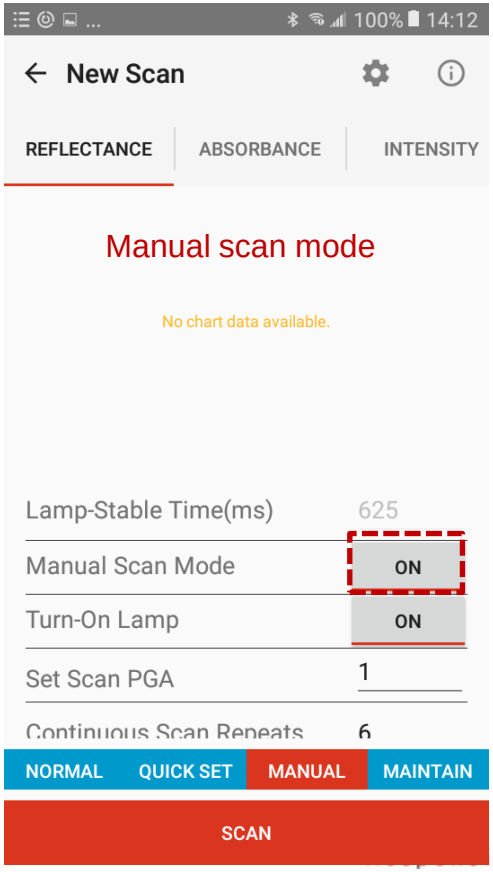


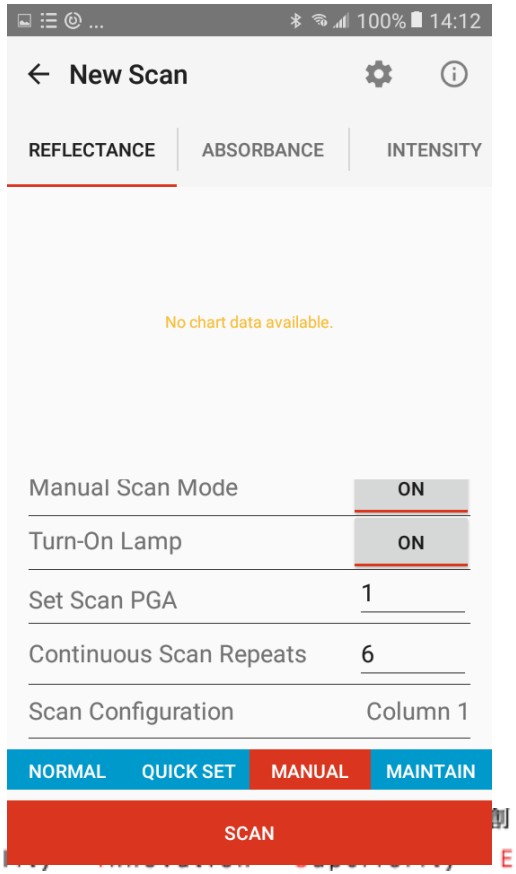


Manual Scan

- In auto mode, user can set lamp-stable time.
- In manual scan mode, user can set lamp on or off, pga gain and scan repeats.

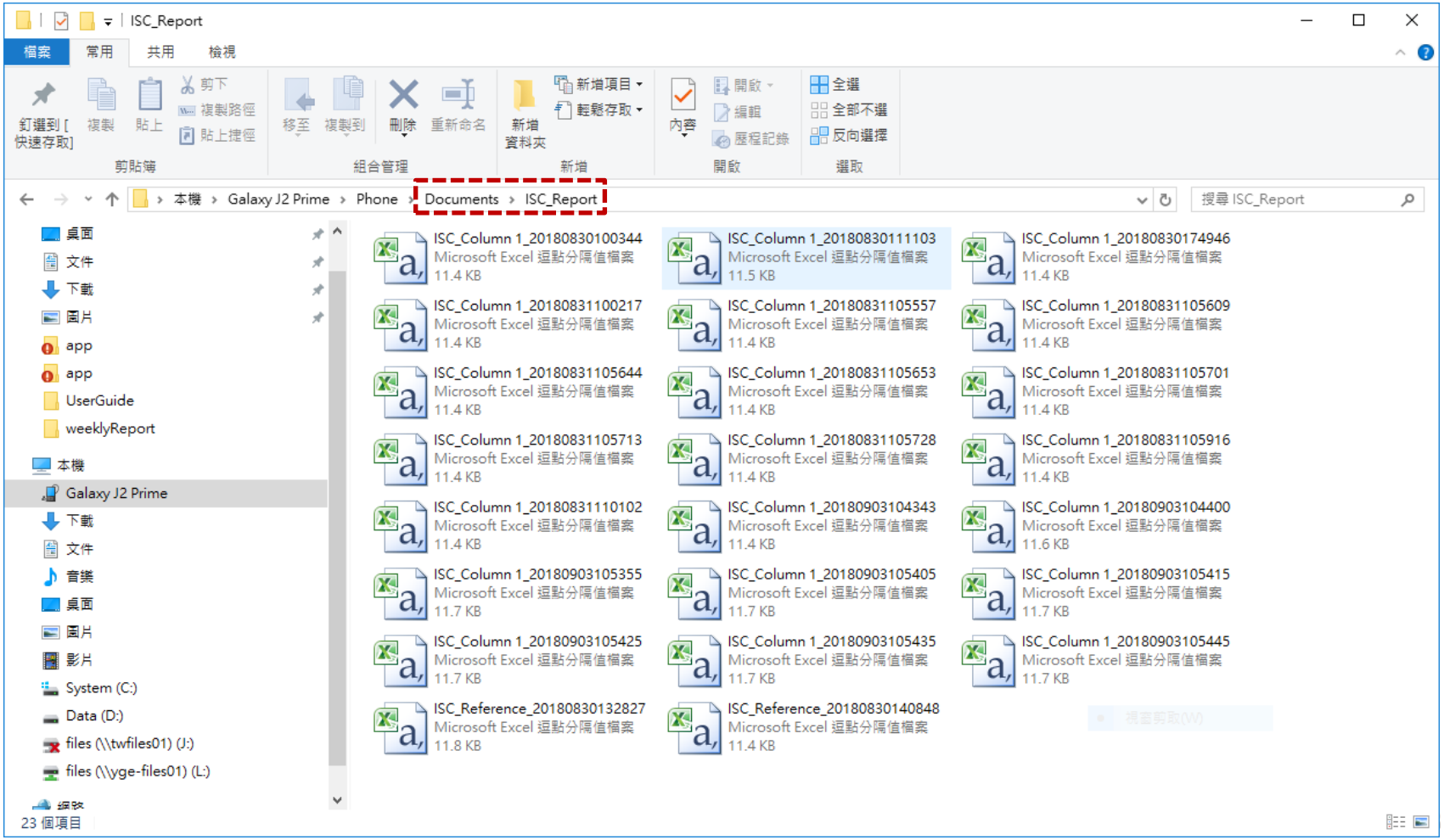






.CSV file

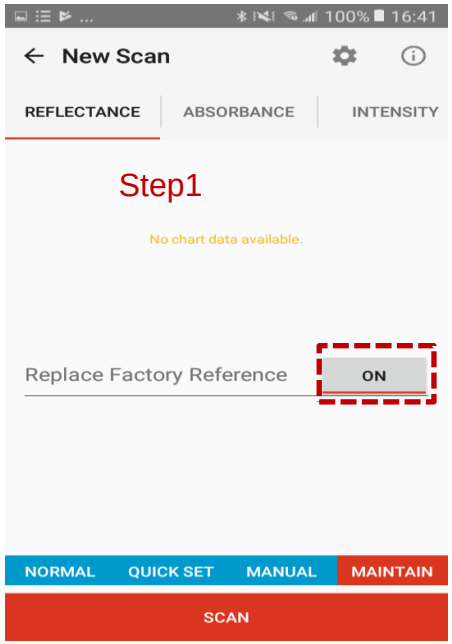
- After scan, the scan report (.csv file) will save to Documents/ISC_Report.
- The phone should use USB to connect PC and find the file.

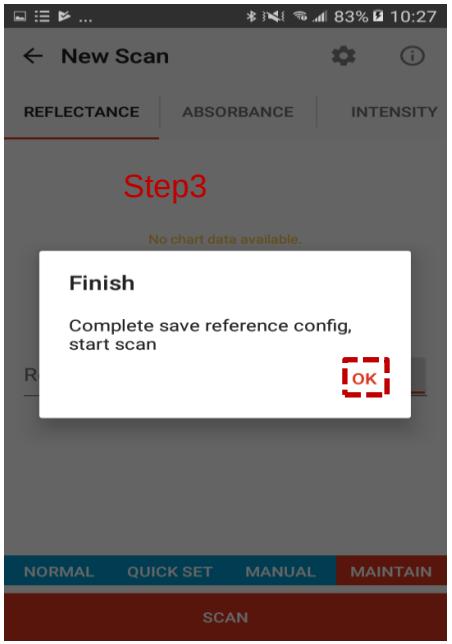


UPDATE BUILT-IN REFERENCE DATA

Replace Built-In Reference

- Before replacing stored reference data, preparing a highly reflective material. A 99% reflective material as Spectralon® is preferred.
- Setp1: Turn on “Replace Factory Reference” then scan. The warning dialog will pop out.
- Step2: Select “YES,I KNOWN”. The device will set config. If set config success, the finish config will pop out.
- Step3: Select “OK” then the device will start scan.
- Step4: Complete save reference will pop out finish dialog. Select “OK” and wait for 3 sec, the device will disconnect. User should reconnect to download new reference.





Notice

Notice

- User should open the bluetooth and might need to open GPS due to the different phone's manufacture's requirements.
- When open app, should permit to save the graph, media, file, and location.

InnoSpectra Corporation

Thank You

責任・創新・卓越・開創

Responsibility Innovation Superiority Entrepreneurship