

ISC Android SDK User's Guide

May. 6, 2020



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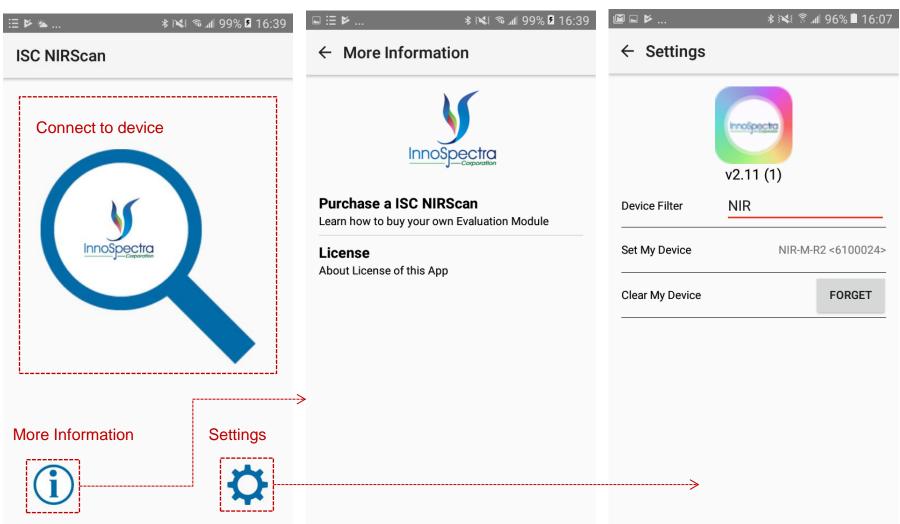
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INTRODUCTION

Main Page

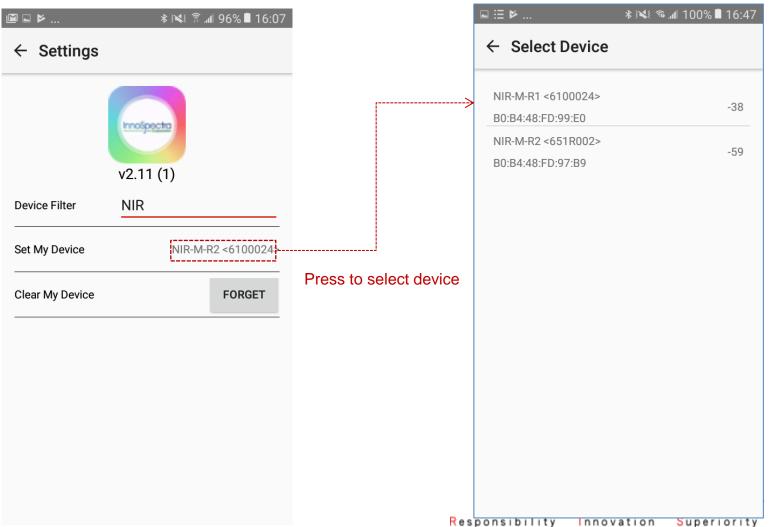




Select the device



- First user should go to setting page from main page and select the device.
- User can set the device filter to search the device.

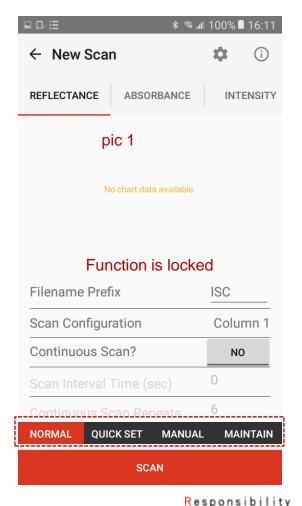


Connect to Device



- 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.







Superiority

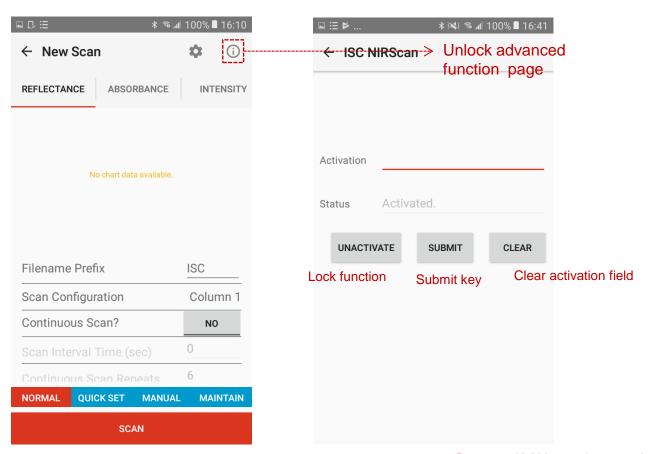
Innovation

Entrepreneurship

Unlock Advanced Function Page



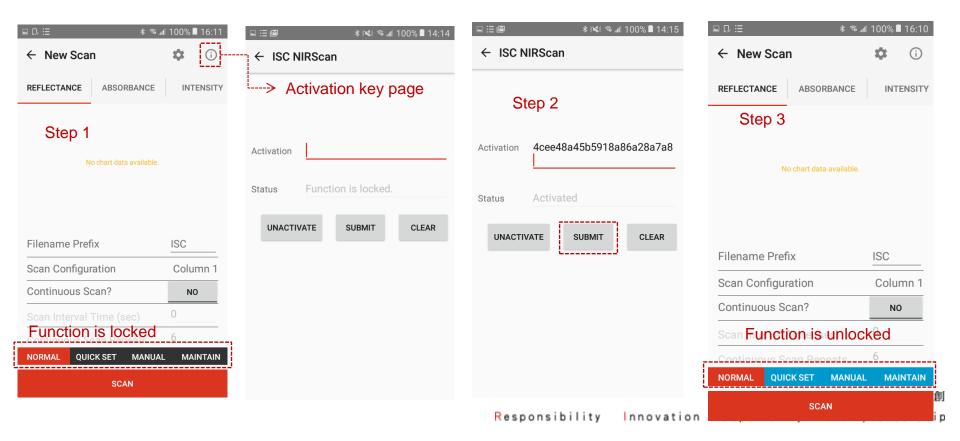
- User can input key in activation filed then press submit. If advanced function is unlocked, the status will show "Activated". If advanced function is locked, the status will show function is locked.
- User press "UNACTIVATE" button. The function will lock and the status will show function is locked.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



How to Unlock Advanced Function

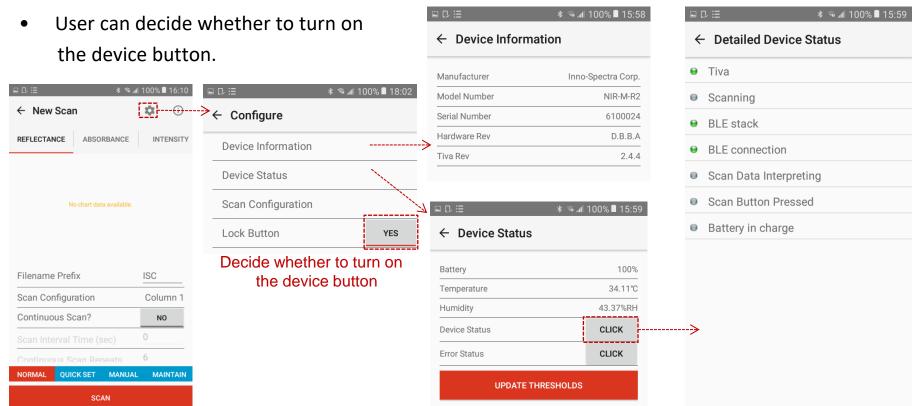


- Step 1: Press button to go to activation key page. User can see the status is "Function is locked"
- Step 2: Input key then press "SUBMIT". The status will change to "Activated" when user input correct key.
- Step3: Back to scan page. The function will unlock.



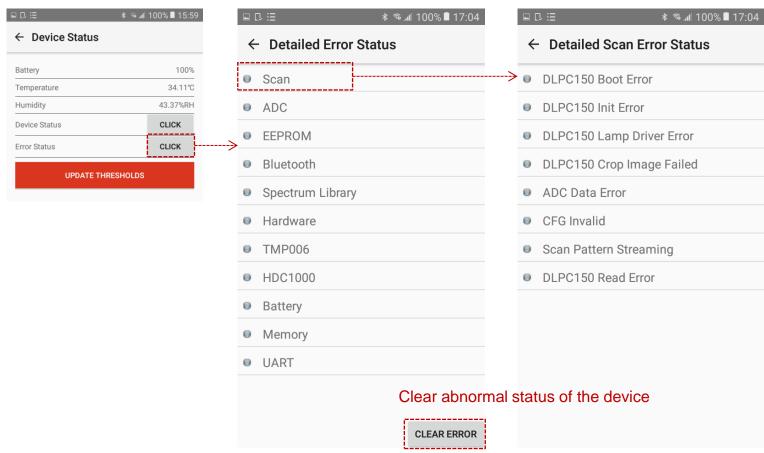


- User can go to configure page from scan page.
- Press "Device Information" can see the device information.
- Press "Device Status" can see the device status.
- Press "CLICK" button in device status filed can see the detailed device status.





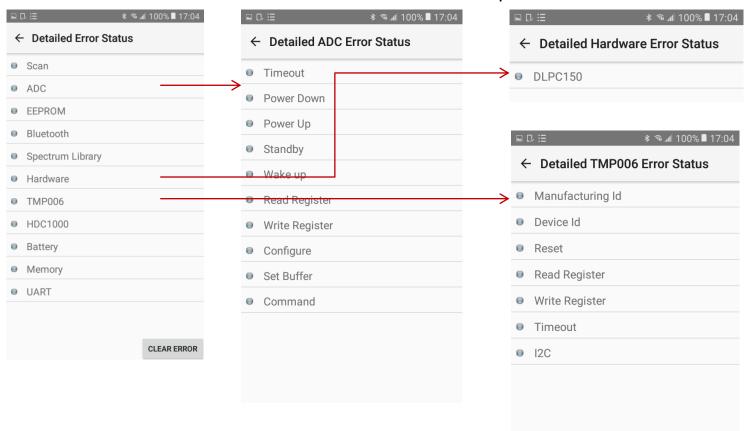
- Press "CLICK" button in error status filed can see the detailed error status.
- Press "CLEAR ERROR" button can clear abnormal status of the device.
- Press "Scan" in detailed status can see detailed scan error status.



Superiority

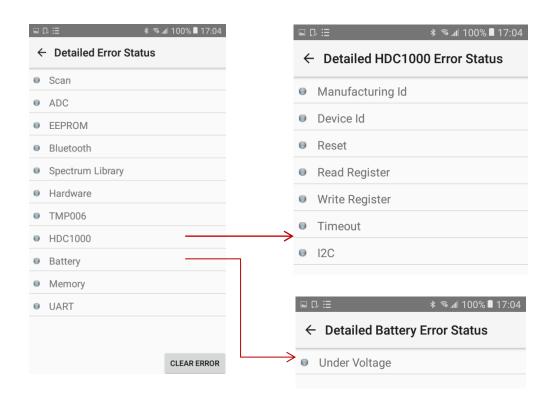


- Press "ADC" in detailed status can see detailed adc error status.
- Press "Hardware" in detailed status can see detailed hardware error status.
- Press "TMP006" in detailed status can see detailed tmp006 error status.





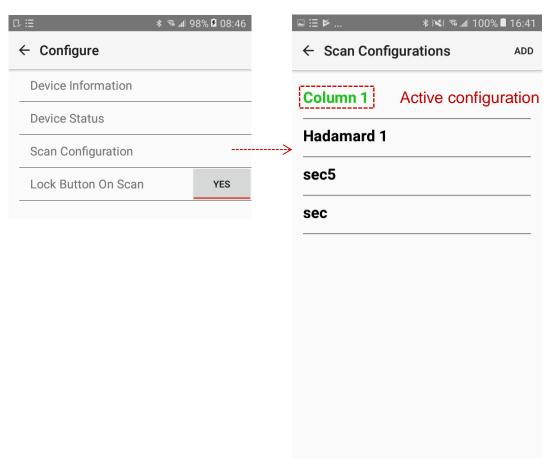
- Press "HDC1000" in detailed status can see detailed hdc1000 error status.
- Press "Battery" in detailed status can see detailed battery error status.



Scan Configurations Page



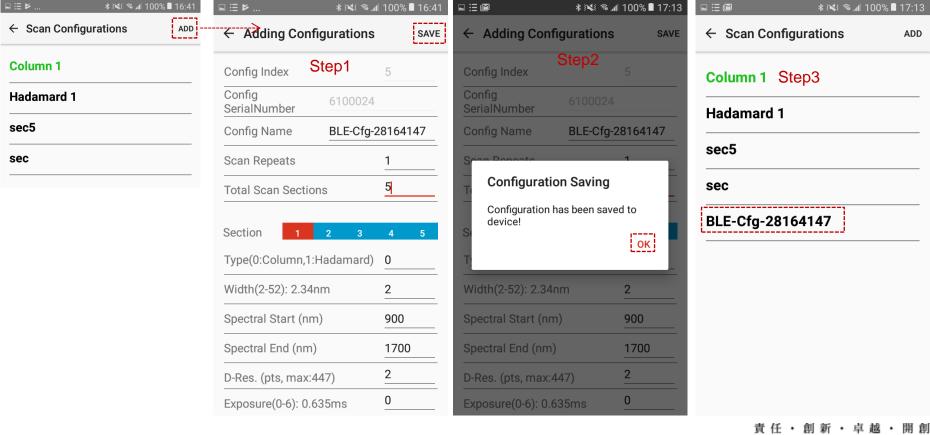
- Scan configurations page will show the configurations saved in device.
- The green is represented the active configuration.
- User can press other configuration to change the active configuration.
- The active configuration is used to default configuration.



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.



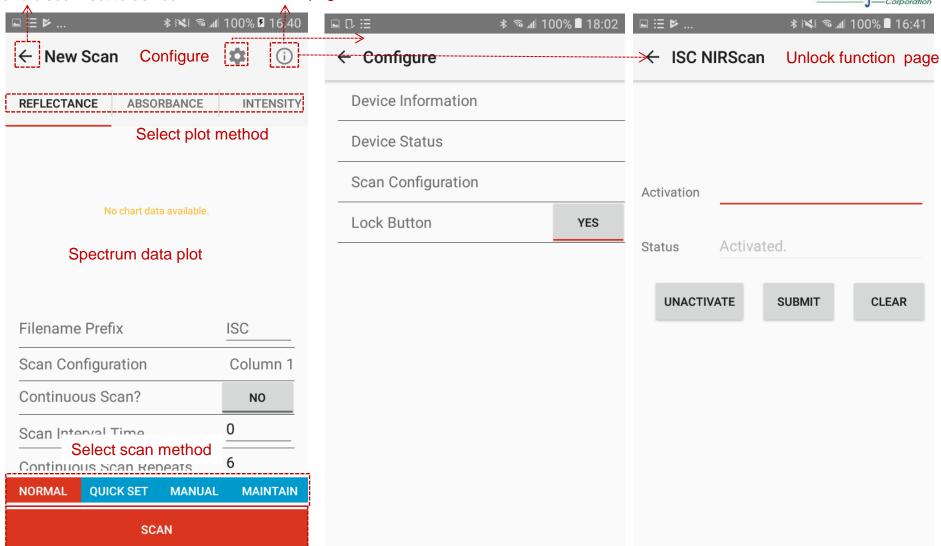


PERFORMING A SCAN

Scan Page

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Back to main page and disconnect to device Unlock function page

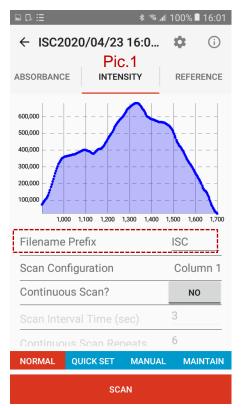


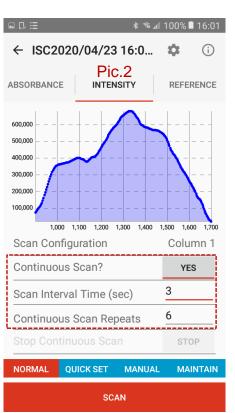
Scan data

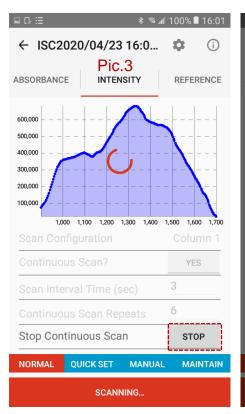
Normal Scan



- 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).

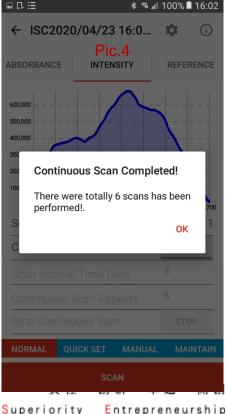






Innovation

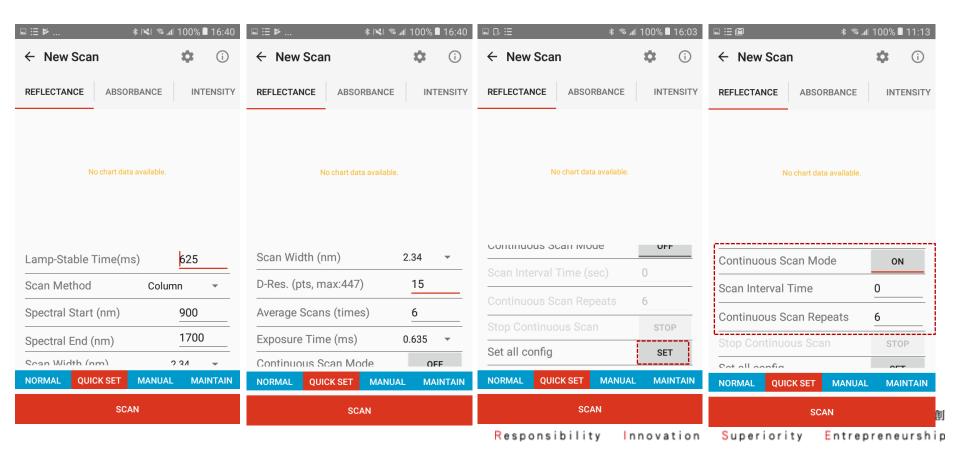
Responsibility



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.

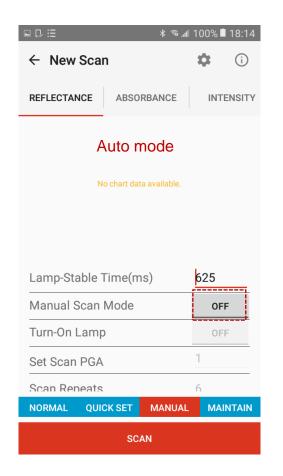


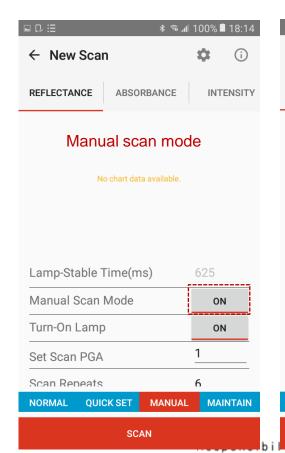
Manual Scan

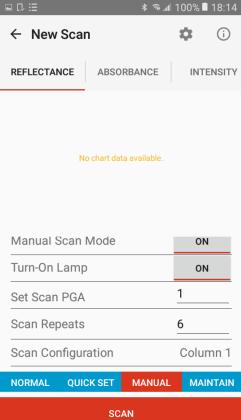


Entrepreneurship

- 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.





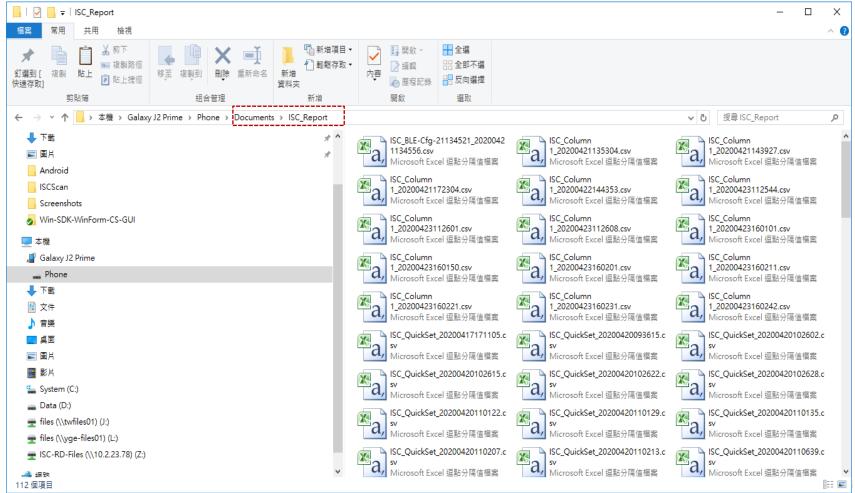


.CSV file



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- 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.



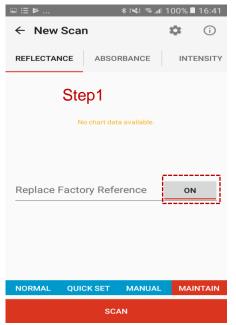


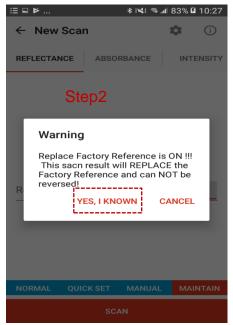
UPDATE BUILT-IN REFERENCE DATA

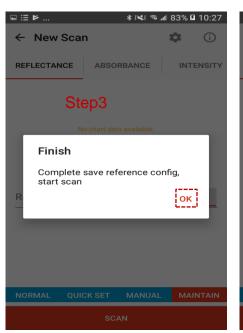
Replace Built-In Reference



- 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.











Thank You