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Programmable Logic Controller

# XGT PLC Mobile App

XGT Series

User's Manual



## Safety Instructions

- Read this manual carefully before installing, wiring, operating, servicing or inspecting this equipment.
- Keep this manual within easy reach for quick reference.

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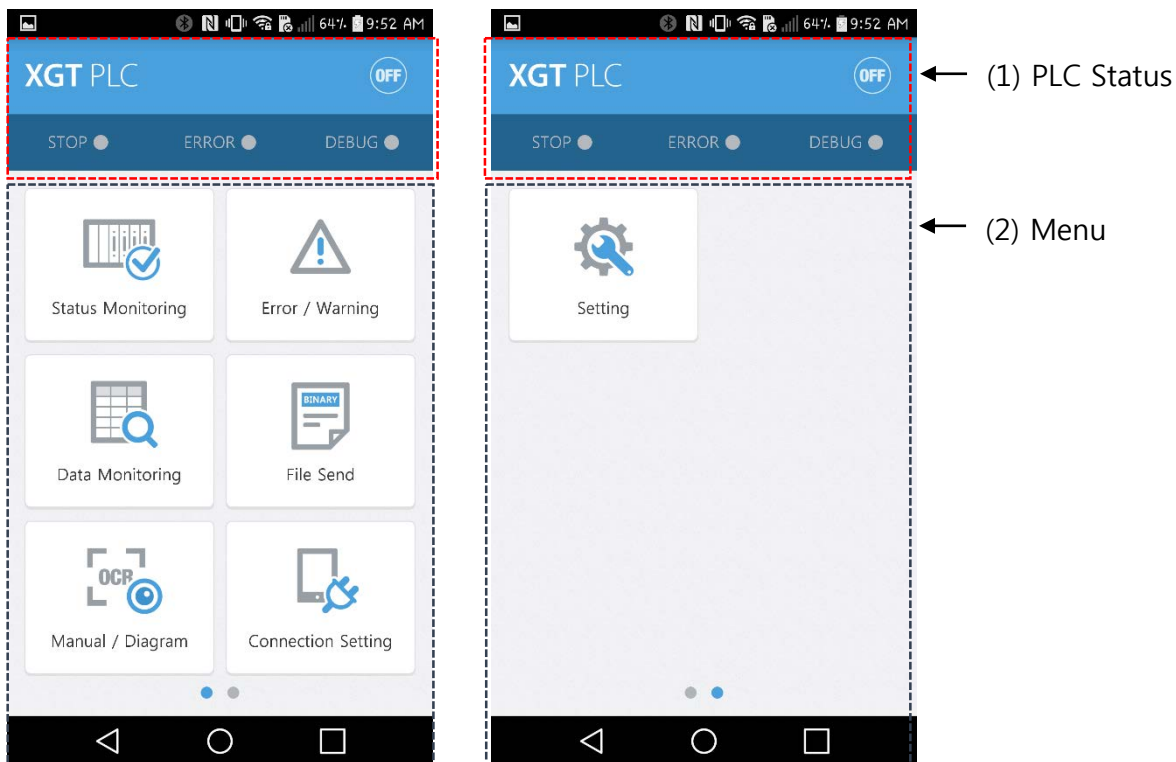
# LSIS XGT PLC Mobile App.

## System Requirement

Android KitKat (4.42) or higher

USB OTG, NFC Tag, Bluetooth (SPP) support

## Main Menu



## PLC Status

- 1) OFF (ON): PLC connection status
- 2) STOP/ERROR/DEBUG: PLC operation status

## Menu

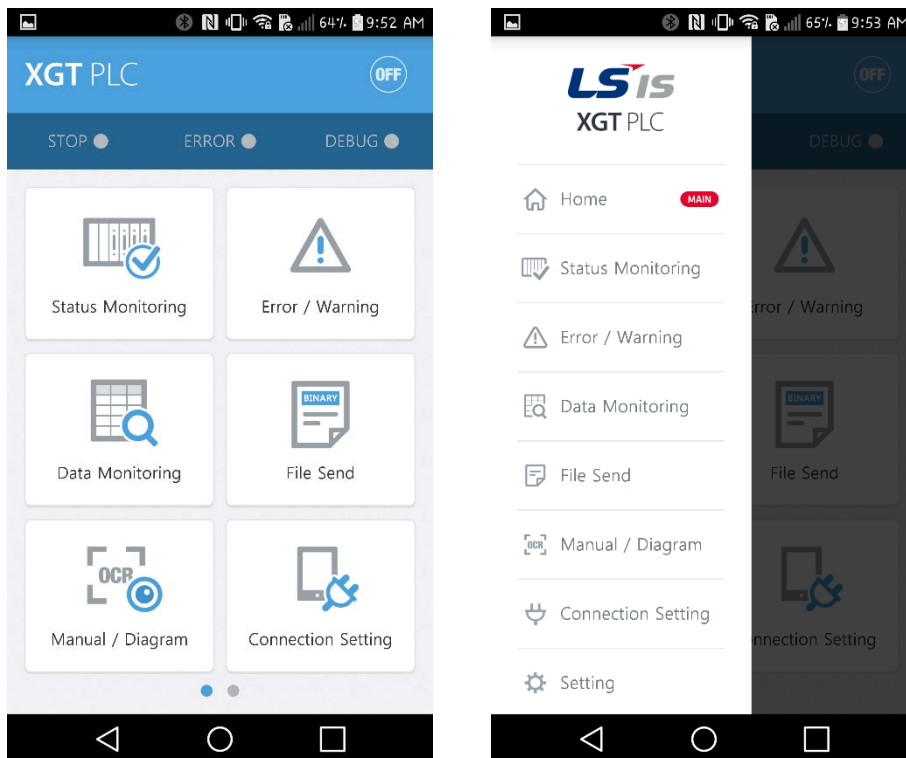
- 1) Status Monitoring: CPU, I/O, Comm. module status
- 2) Error/Warning: current PLC error/warning and error/warning history
- 3) Data Monitoring: current data value display

## LSIS XGT PLC Mobile App.

- 4) File Send: binary file (generated in XG5000) transferring to PLC during connection to PLC via USB.
- 5) Manual/Diagram: manual and wiring diagram converted from smartphone picture via OCR (Optical Character Recognition)
- 6) Connection Setting: PLC connection option
- 7) Setting: general setting for XGT PLC mobile app.

### Notice

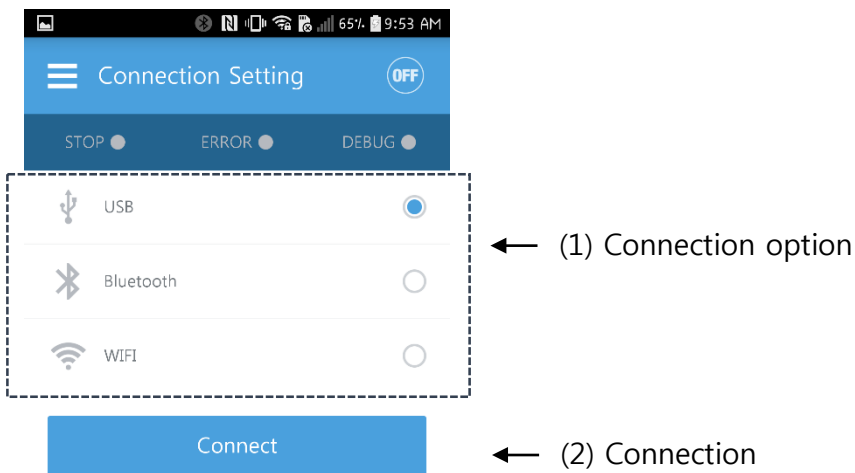
Sliding screen to the right, you'd see sliding menu which has the same function as below.



### [Connection Setting]

PLC connection option setting

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### USB

PLC connection (USB) via USB OTG (On-The-Go) cable as below. Micro 5pin connector to smartphone and USB host connector to PLC USB cable.



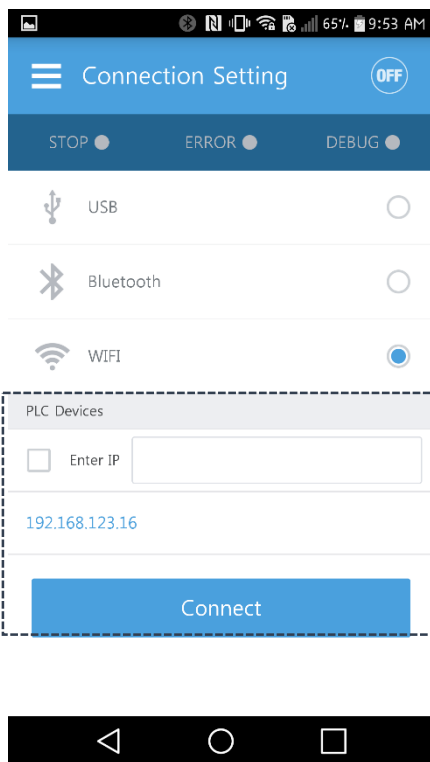
### Bluetooth

PLC connection (serial) via Bluetooth serial adapter supporting SPP (Serial Port Profile).



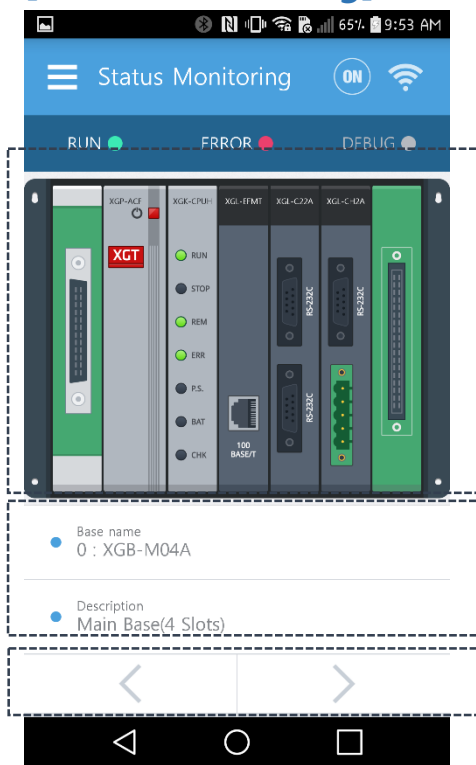
## WIFI

PLC connection via Ethernet (built-in Ethernet or Ethernet communication module). When selected, PLC list, connected to AP (access point), will be displayed. For connection, you are supposed to select or enter IP address, then connect.



← PLC list (IP address)

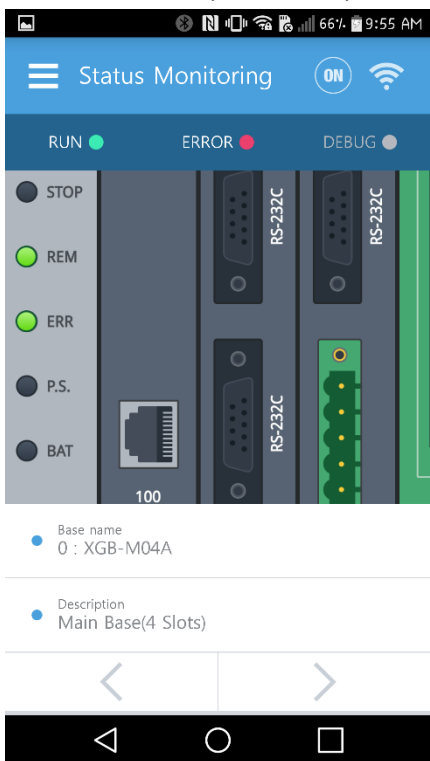
### [Status Monitoring]



- ← 1) System window
- ← 2) Base info.
- ← 3) Move to other base  
\* In case of base extension.

### Zoom In/Out

Zoom In/Out with two fingers in System windows. When double-tapping to zoom in (max. scale) and zoom out (min. scale). Max. scale: 300%.

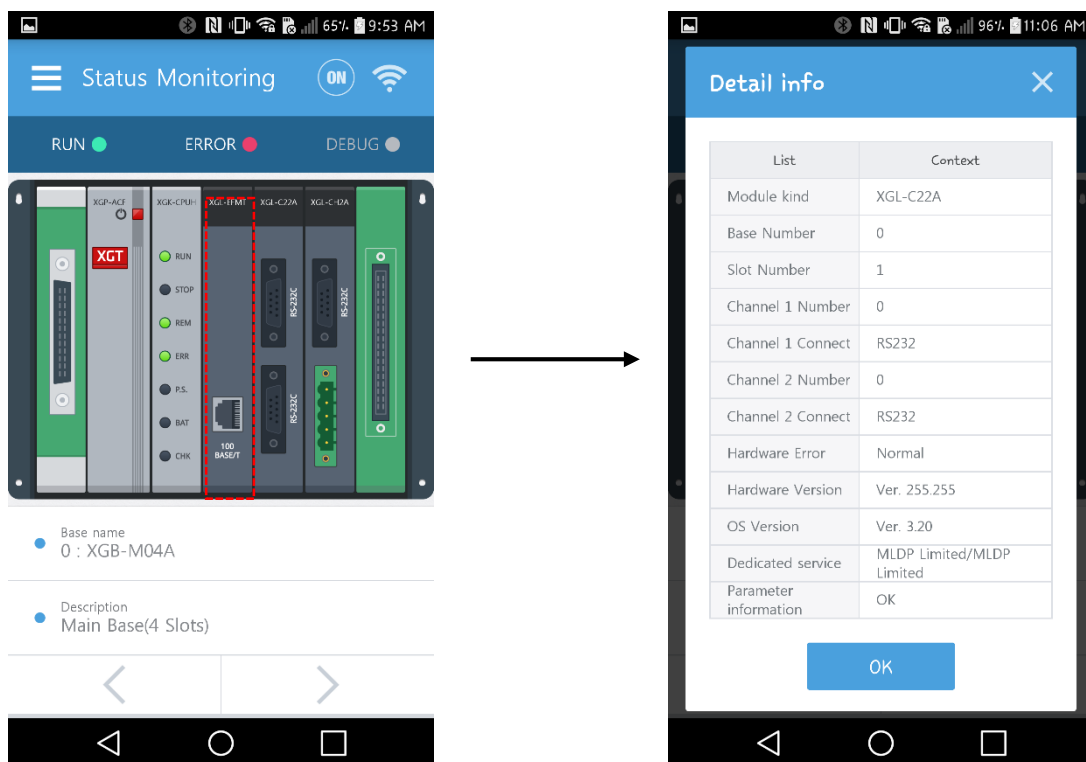


### Move

You are able to move displayed area during zoom-in mode (System windows).

### Detailed Module Info.

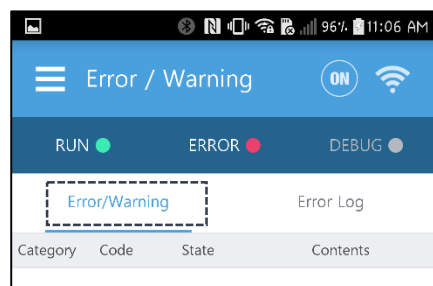
Detailed information for CPU, special and communication modules with long click (2 seconds).



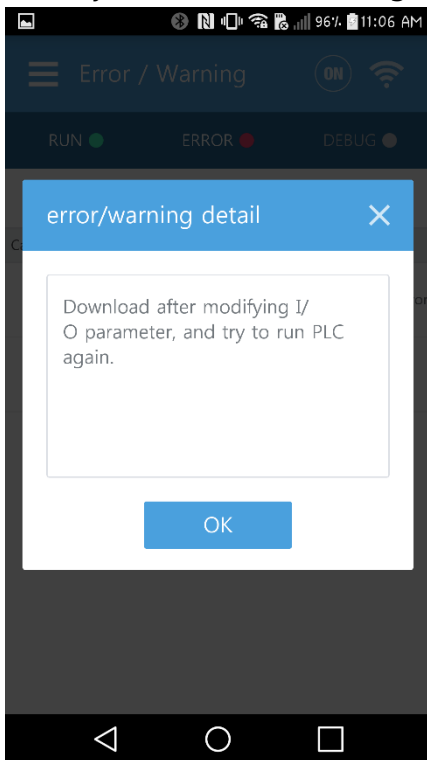
### [Error/Warning]

#### Current error/warning display

Error/Warning shows current error/warning information. No info. will be given in normal status.

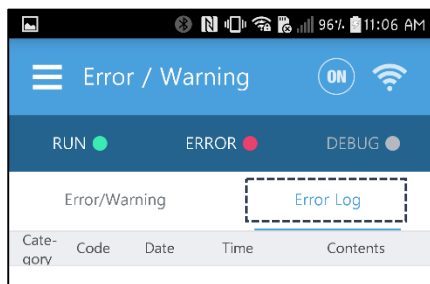


When you have error/warning, then you can see it in detail clicking it.



### Error Log

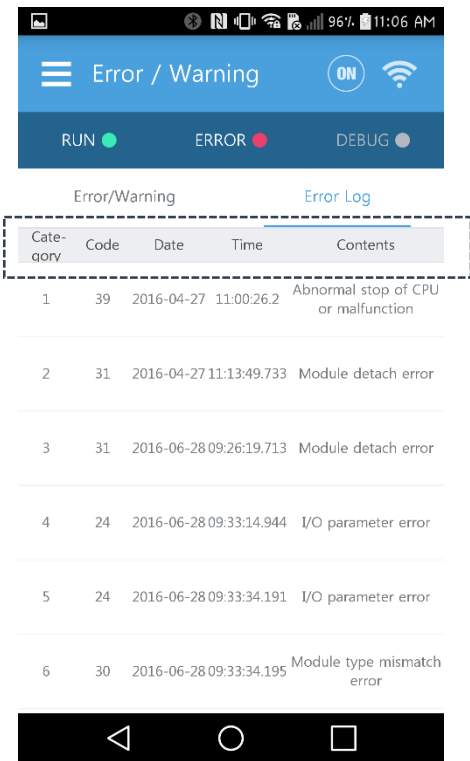
It shows PLC error/warning history. Max. number of error/warning will be dependent upon PLC specifications. For more info., please find PLC user's manual.



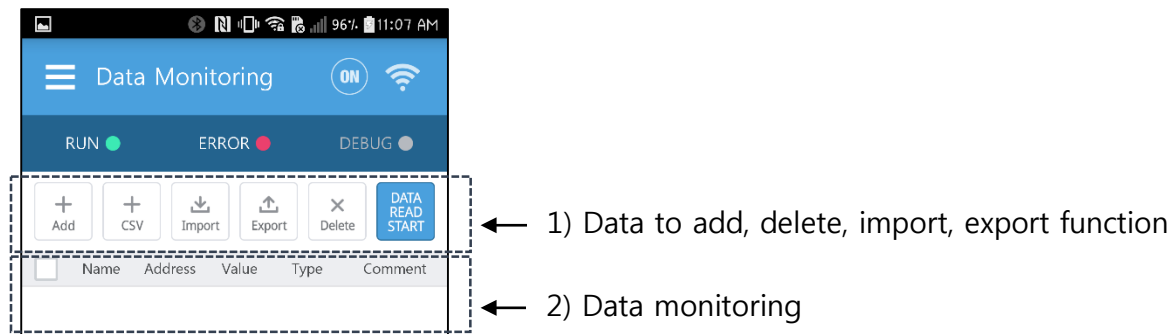
You can sort out its information to touch [No], [Code], [Date], [Time], and [Content].



# LSIS XGT PLC Mobile App.

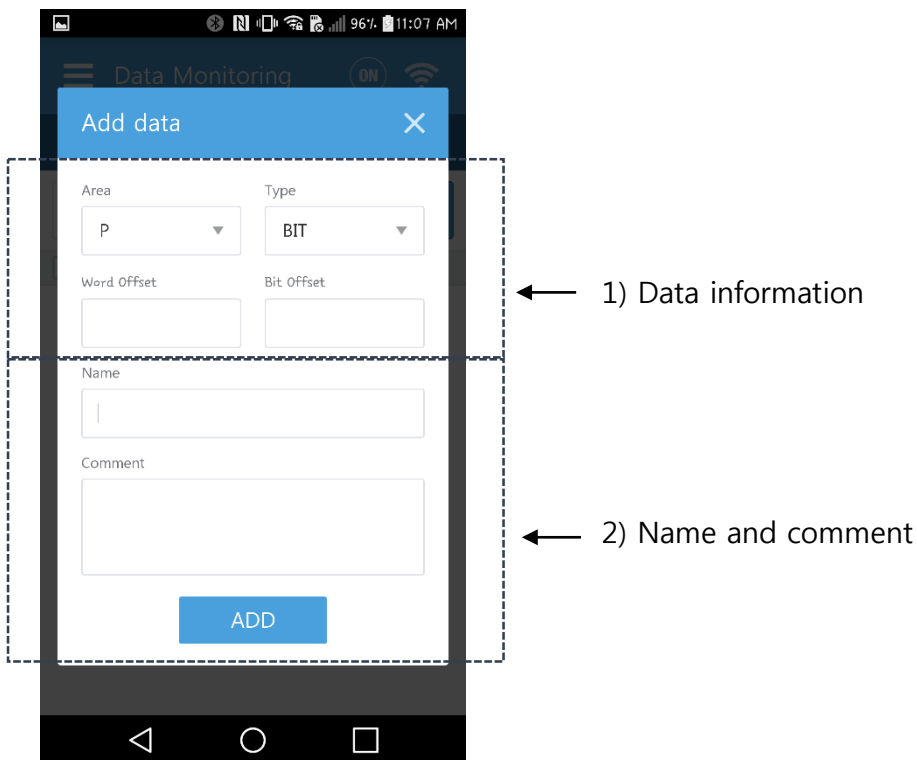


## [Data Monitoring]



## Add

Monitoring data to add.



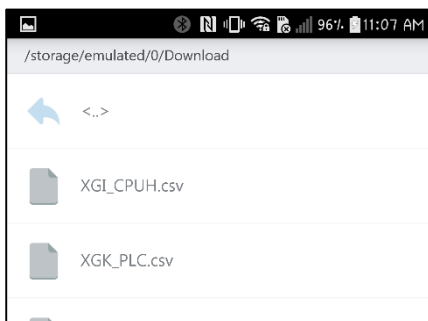
1) Data information: monitoring data area. .

- ✓ XGK series: P, M, L, K, F, T, C, S, U, ZR, Z, D, R
- ✓ XGI series: I, Q, U, M, L, F, K, R, W

2) Name and Comment: you can enter its name and comment for monitoring data.

## CSV

You can monitor data for CSV file generated by XG5000, selecting CSV file stored in smartphone.



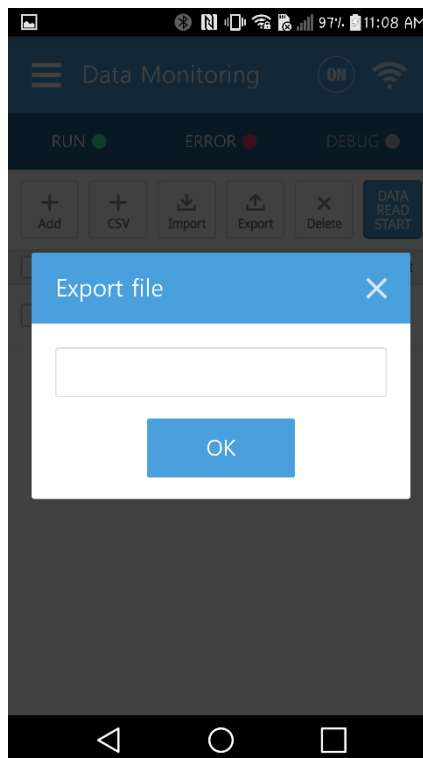
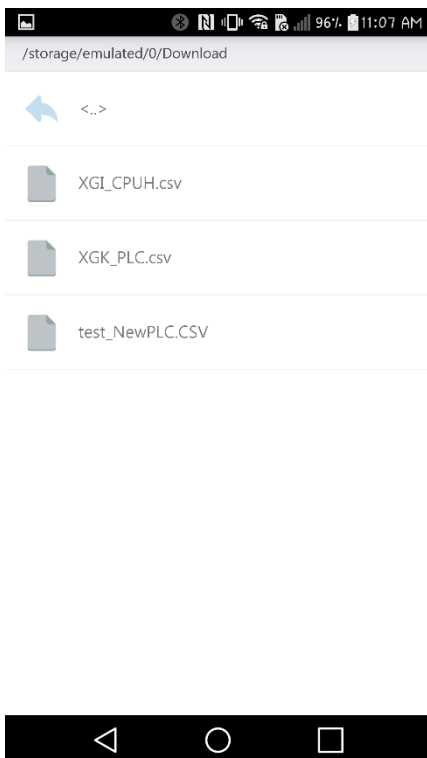
### Notice

You can import 100 items from a CSV file.

If PLC type is different from connected one, no item will be added.

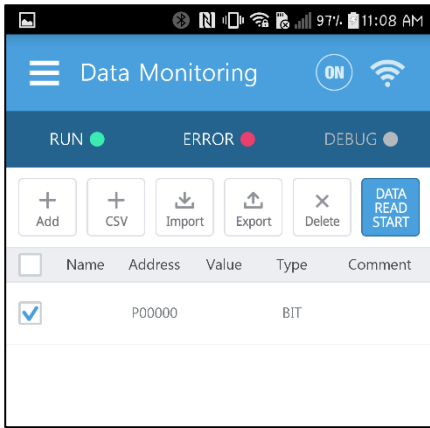
## Import/Export

You can export Data Monitoring information to a file, and import it from a file.



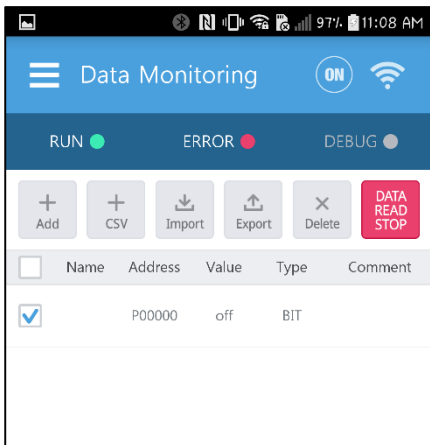
## Delete

You can delete item registered in Data Monitoring.



### DATA READ START/STOP

Data monitoring to start and stop.

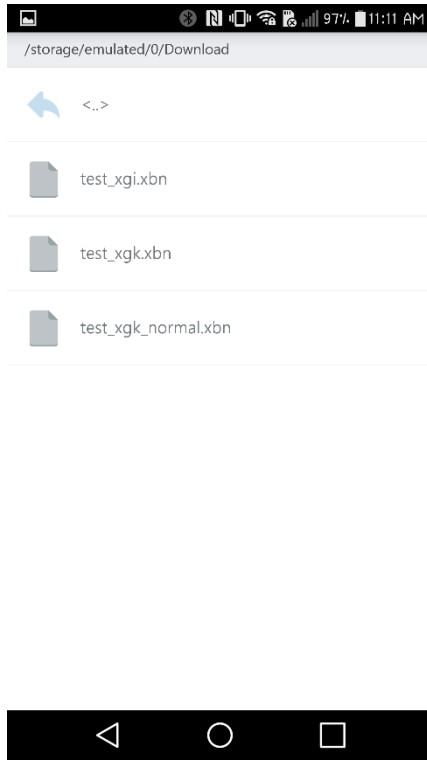
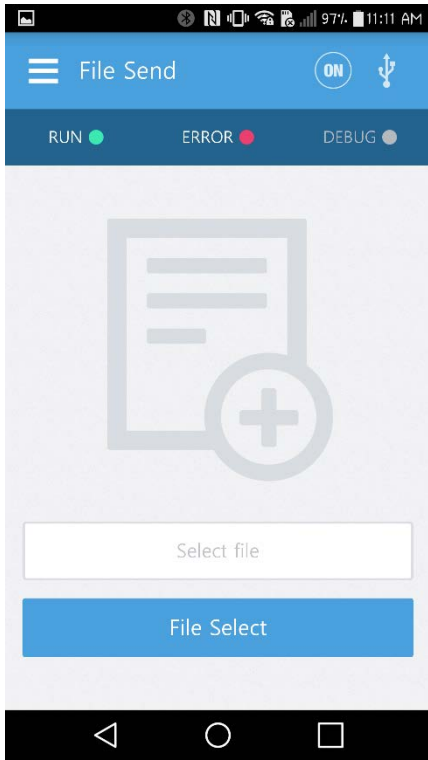


**Notice**  
No item edited during data monitoring.

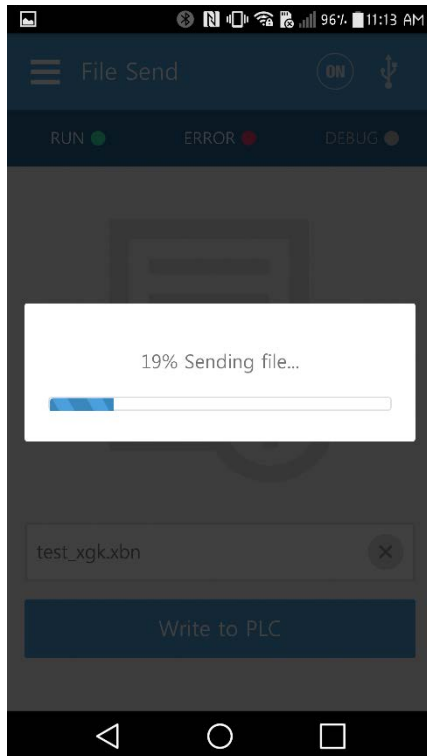
### [File Send]

Select the file to transfer with [File Select].

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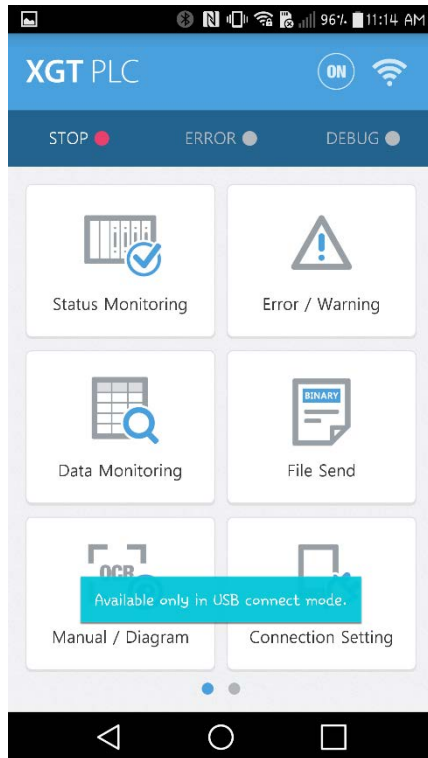


After selection, touch [Write to PLC].



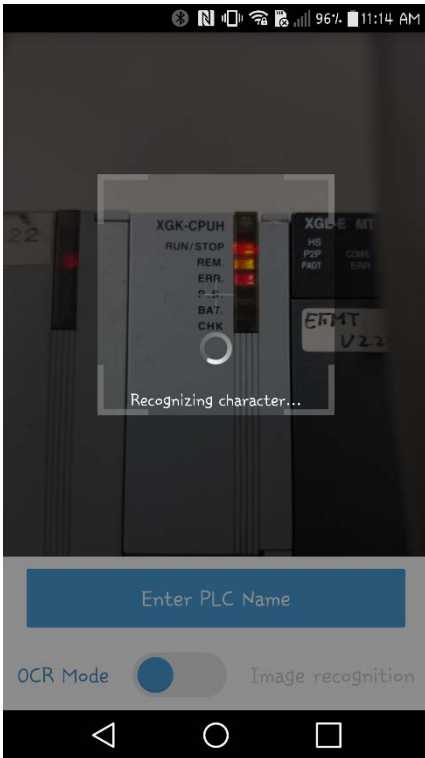
### Notice

This function is available during USB connection only. Unless otherwise, you'd see the following message.

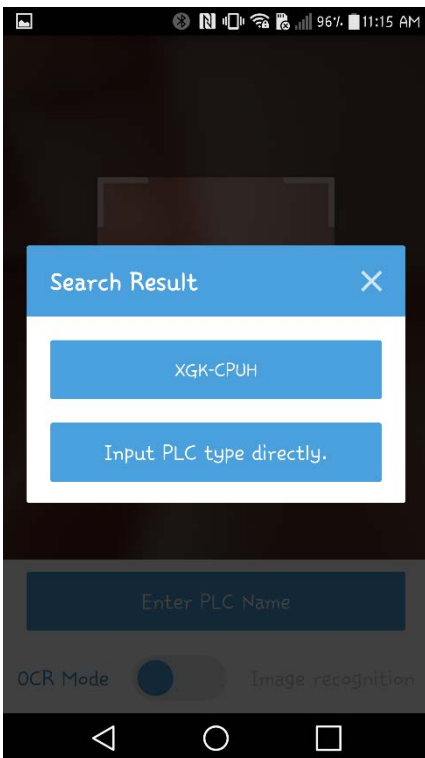


### [Manual/Diagram]

Manual and wiring diagram display function with CPU or module image taken by smartphone. Please refer to the followings.



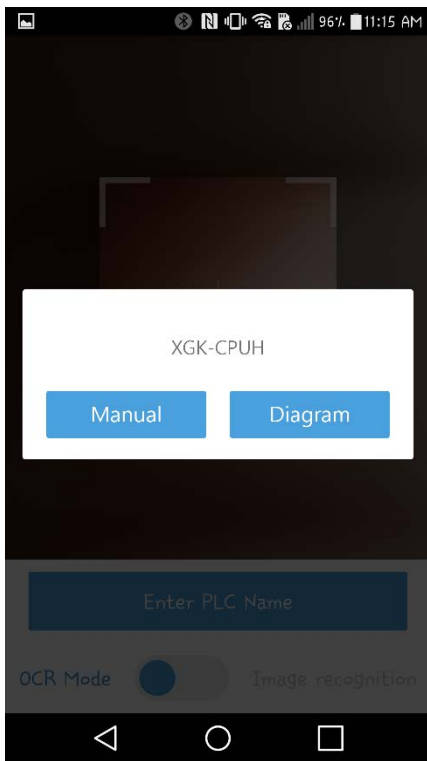
← 1) Place a module in center



← 2) When recognized, module name will be displayed as left. If not, try it again or [Input PLC type directly].

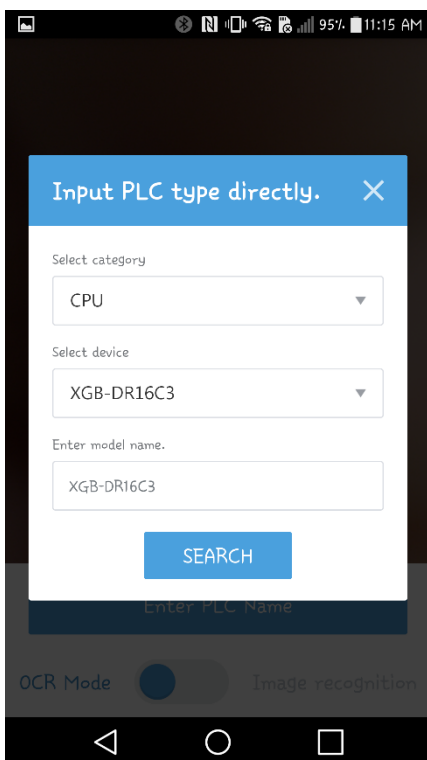
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← 3) Then you'll see [Manual] and [Diagram] button.

Or you can enter PLC part number as follows:

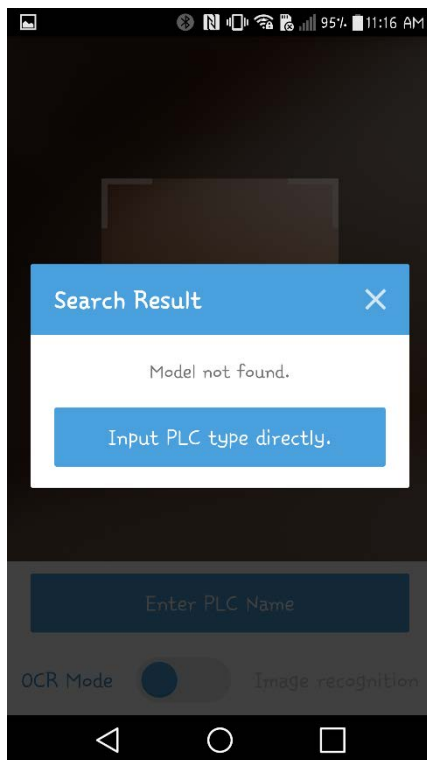




### Notice

When you select [Manual] or [Diagram], pdf file downloading will start. And please check your wireless calling plans before starting to download it.

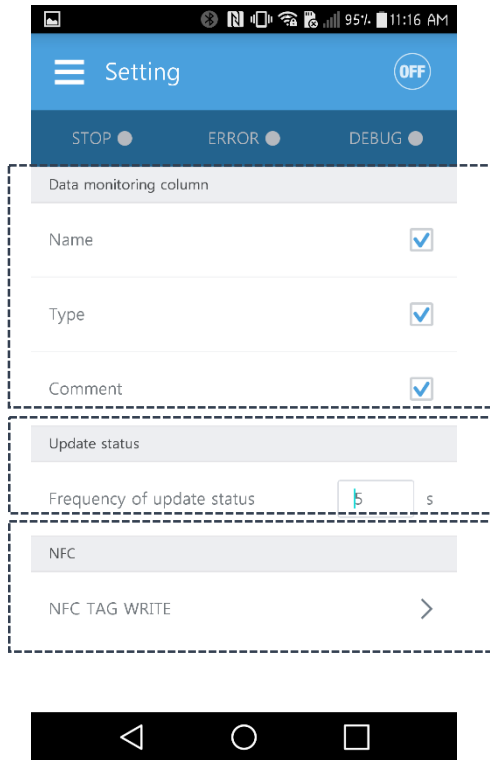
Unless a module is recognized, the following message will appear.



### [Setting]

XGT PLC application setting.

## Data Monitoring Option



- ← 1) Display column in Data Monitoring option. You can select [Name], [Type], [Comment] or not.
- ← 2) PLC update frequency: 3 to 9 seconds
- ← 3) To write connection option to NFC Tag.

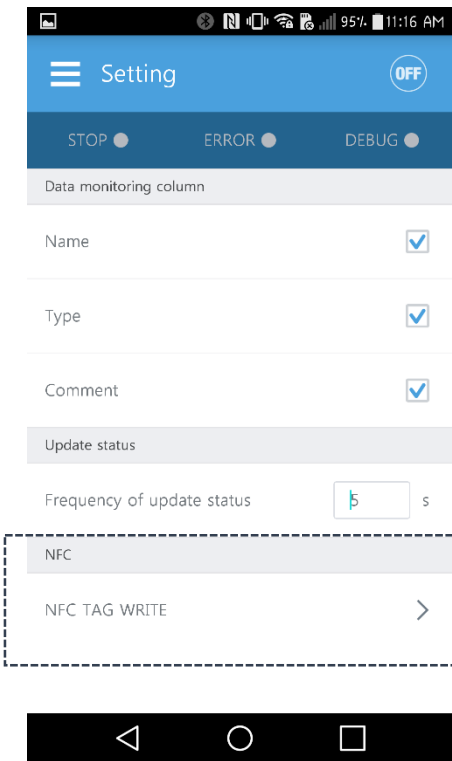
## NFC TAG WRITE

With NFC (Near Field Communication), you don't need to take care of PLC IP address or MAC address of Bluetooth serial adapter.

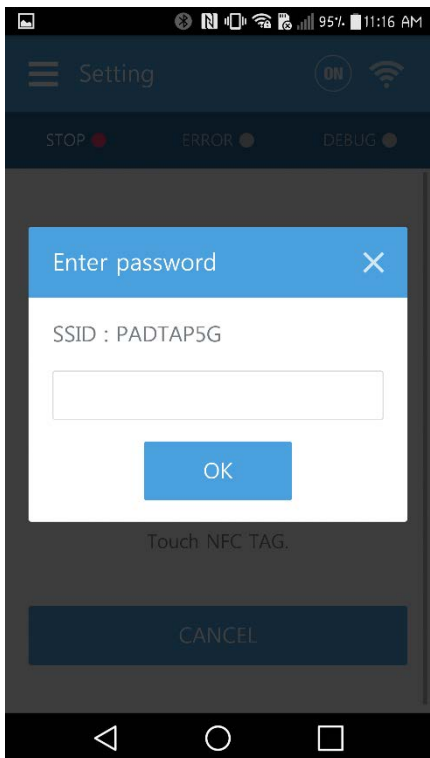
### Connection registration

NFC Tag is available in Bluetooth or Wifi connection. Please refer to the following for NFC Tag registration of current connection info. during Wifi connection.

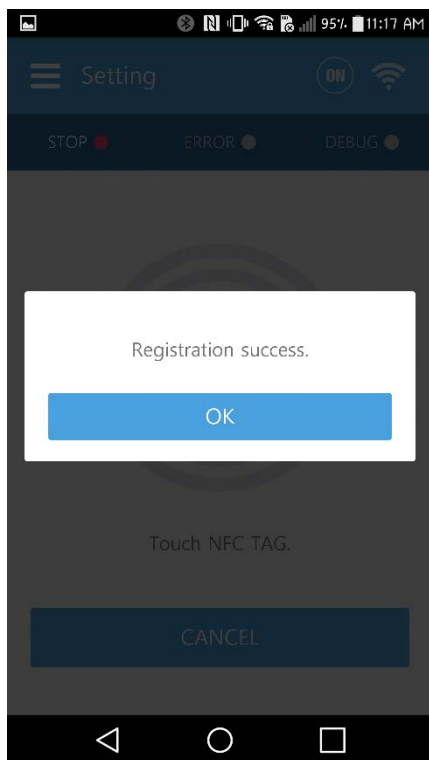
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1) Select [NFC TAG WRITE]



2) AP password



← 3) NFC Tag registration

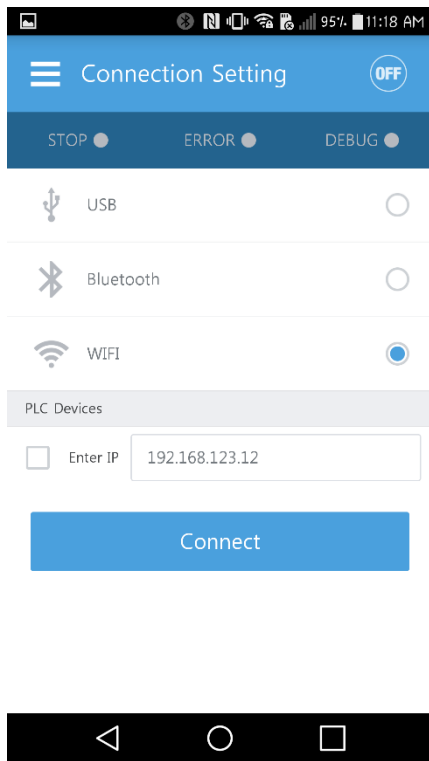
### NFC connection

Connection to PLC to touch NFC Tag.

- 1) Touch smartphone to NFC Tag with connection info.
- 2) XGT PLC Mobile App. operation and automatic registration to AP.

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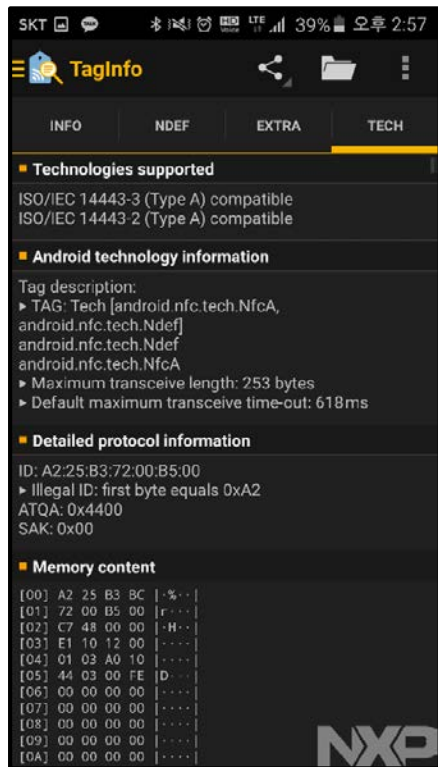
### Notice

Usually, there are card or sticker types in NFC Tag. Please check smartphone compatibility with NFC Tag before usage.



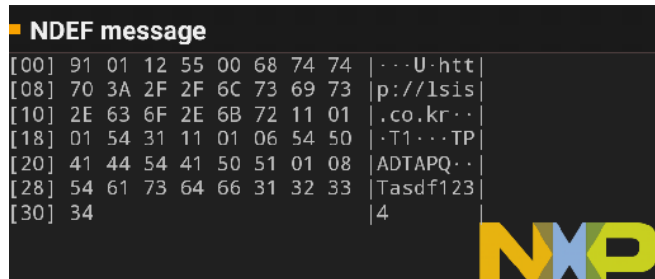
Notice

With TagInfo application, you can see Tag registration and its information.



Notice

AP password is registered when registering Wifi connection option to NFC Tag. For security, please do not use Wifi.





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**Always at your service, standing for our customers.**

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