

User Manual

Comprehensive Device Management
Program

DAQMaster (mobile)

MWA-DAQMaster Mobile-V3.0-2001US

Thank you for purchasing an Autonics product.

This user manual contains information about the product and its proper use,
and should be kept in a place where it will be easy to access.



Preface

Thank you for purchasing an Autonics product.

This user manual contains information about the product and its proper use, and should be kept in a place where it will be easy to access.

User Manual Guide

This user manual contains information about the product and its proper use, and should be kept in a place where it will be easy to access.

- Please familiarize yourself with the information in this manual before using the product.
- This manual provides detailed information on the product's features. It does not offer any guarantee concerning matters beyond the scope of this manual.
- This manual may not be edited or reproduced in either part or whole without permission.
- A user manual is not provided as part of the product package.
Visit www.autonics.com to download a copy.
- The manual's content may vary depending on changes to the product's software and other unforeseen developments within Autonics, and is subject to change without prior notice.
- This manual is produced based on Android: 2.0, iOS: 2.0 version.

User Manual Symbols





| Symbol | Description |
|--|--|
|  Note | Supplementary information for a particular feature. |
|  Warning | Failure to follow instructions can result in serious injury or death. |
|  Caution | Failure to follow instructions can lead to a minor injury or product damage. |
|  Ex. | An example of the concerned feature's use. |
| ※1 | Annotation mark. |

Table of Contents

| | |
|---|-----------|
| Preface | iii |
| User Manual Guide | iv |
| User Manual Symbols | v |
| Table of Contents | 6 |
| 1 DAQMaster (mobile) Overview | 7 |
| 1.1 Overview | 7 |
| 1.2 Application information and connections | 7 |
| 1.3 Supported devices | 8 |
| 2 Project List..... | 9 |
| 2.1 Create project | 9 |
| 2.2 Enter project | 10 |
| 2.3 Delete project / Google drive upload | 10 |
| 2.4 Program Menu | 11 |
| 3 Project..... | 12 |
| 3.1 Project menu..... | 13 |
| 3.2 Device List | 13 |
| 3.3 Runtime List..... | 14 |

1 DAQMaster (mobile) Overview

1.1 Overview

You can use DAQMaster at your smart phone.

Parameter read/write and I/O run time screen for Autonics RS485 communication devices are available at your smart phone.

Search as below to download at each operation systems.

Android (Google Play Store): DAQMaster

iOS (App Store): DAQMaster

1.2 Application information and connections

(1) Android

- Applied version: over 8.0
- Contents level: over 3-year-old
- Authority
 - Pictures/Movies/Files: It can read / modify / delete the contents of the storage device.
 - Wi-Fi connections: Available to use all internet functions.
- Present version: 2.0
- Connections: TCP/IP (WiFi), USB (Be sure to the OTG gender support status of your device.)

(2) iOS

- Applied version: over iOS 12.0
- Contents level: over 3-year-old
- Authority
 - Pictures/Movies/Files: It can read / modify / delete the contents of the storage device.
 - Wi-Fi connections: Available to use all internet functions.
- Present version: 2.0
- Connections: TCP/IP (WiFi)

1.3 Supported devices

| Product group | Series |
|-------------------------|-----------|
| Software | DAQMaster |
| Field network devices | ARM |
| Counter/Timer | CT |
| Panel meter | MP5 |
| | MT4 |
| Temperature controllers | TX |
| | TK4 |
| | TM2 |
| | TM4 |
| | TMH2 |
| | TMH4 |
| | TMH-A |
| | TMH-CT |
| | TMH-E |
| | TF3 |
| | THD |
| | KN-2000 |
| Fiber optic sensors | BFC |
| Power controllers | SPR1 |
| | SPR3 |
| | DPU1 |
| | DPU3 |
| Recorders | KRN50 |
| | KRN100 |
| | KRN1000 |

2 Project List

Displays projects as list. You can enter/add the project and check the application information and settings.



2.1 Create project

1st Touch the below + icon to add the device.

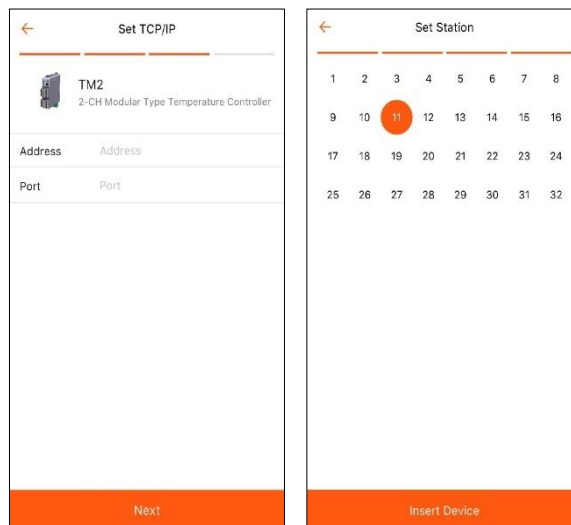
2nd Select the desired device to be connected. Touch the below scan icon and it scans the connected devices automatically.



3rd Select the connection method.

Android version supports TCP/IP, USB connections. iOS version supports TCP/IP.

4th Set the communication and address for the connection.



5th Enter the created project.

2.2 Enter project

Touch the desired project to enter. For more project information, refer to 3Project.

2.3 Delete project / Google drive upload

Swipe the project at the project list. The icons appears at right side.

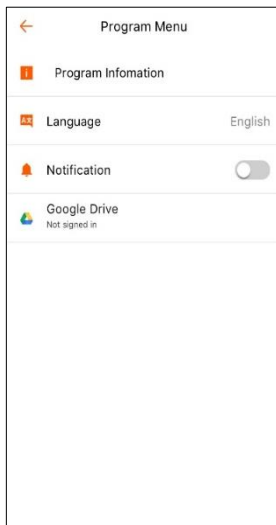


Touch the delete icon and the project is deleted.

Touch the upload icon and the project is uploaded to the google drive account which is set at the program menu.

2.4 Program Menu

Touch the menu icon at the project list home screen.



(1) Program Information

Check the application information such as version, terms, etc.

(2) Language

Set the application language. (supported language: English, Korean, Simplified Chinese, Traditional Chinese)

(3) Notification

Reading/Checking the notification via push server function of DAQMaster Pro is available.

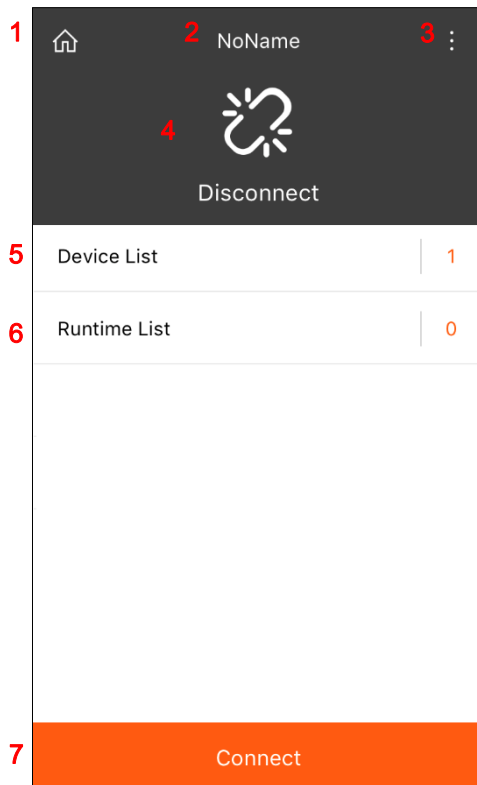
Set the toggle ON and set the name and DAQMaster address.

This feature is only when DAQMaster Pro and DAQMaster application are connected at the same Wi-Fi. Refer to the DAQMaster user manual.

(4) Google Drive

Set the google drive account to upload/download project.

3 Project



| No. | Icon | Description |
|-----|-------------------|---|
| 1 | Finish project | Finishes project and returns to the project list. |
| 2 | Project name | Displays the project name. |
| 3 | Project menu | Checks the project information and notification and saves the project. |
| 4 | Connection status | Displays the device connection status. (Green: connected, Black: disconnected, Blue: during run-time) |
| 5 | Device list | At the disconnected status, add/delete the device. At the connected status, read/write and register monitoring I/O. |
| 6 | Runtime list | Adds/Edits/Deletes the runtime to monitor the registered I/O. |
| 7 | Connect | Connects the project devices. |

3.1 Project menu

(1) Project information

Saves project name, company, worker and description, etc.

(2) Notification

Reading/Checking the notification via push server function of DAQMaster Pro is available.

Set the toggle ON and set the name and DAQMaster address.

This feature is only when DAQMaster Pro and DAQMaster application are connected at the same Wi-Fi. Refer to the DAQMaster user manual.

(3) Save project

Saves project settings.

3.2 Device List

Depending on the project device connection status, setting items and menu are different.

(1) Add/Delete device

At the disconnected status, add the device. Setting method is same as 2.1 Create project.

Touch the more icon and reset the device connection or delete it.

(2) Parameter list

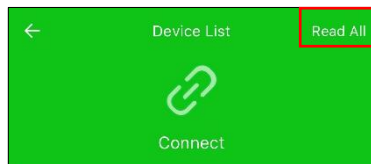
At the connected status, touch the each device and the more icon for parameter list.

Touch the read icon, reads/loads the parameters of the connected device. Touch the each parameter to write/edit the settings.



Note

Touch the Read All at device list, reads/loads the all parameters of the connected all devices.



(3) I/O list

At the connected status, touch the each device and the more icon for I/O list.

Register the monitoring I/O at the runtime monitoring.

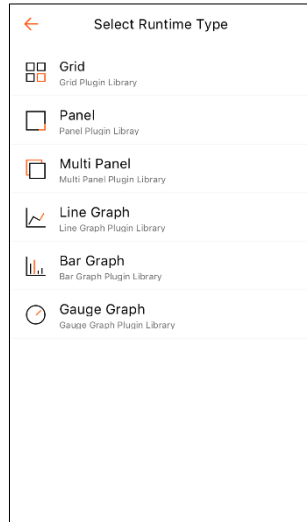
3.3 Runtime List

Adds/Edits/Deletes the runtime to monitor the registered I/O.

(1) Add runtime screen

1st Touch the below + icon and add the runtime screen.

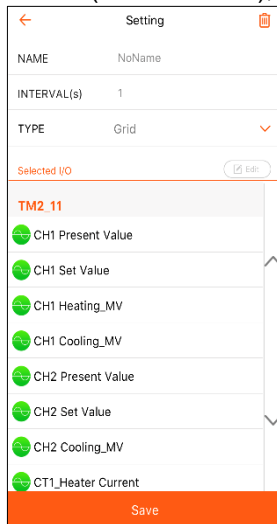
2nd Select the desired screen type (grid, panel, multi panel, line graph, bar graph, gauge graph)



3rd Select the I/O to monitoring within the registered device I/O at the device list- I/O list.

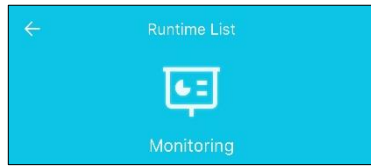
(2) Edit runtime (stop monitoring status)

At stop monitoring status, edits runtime screen. Runtime screen name (default: noname), interval(default: 1 sec), runtime type, I/O, I/O display order are changeable.

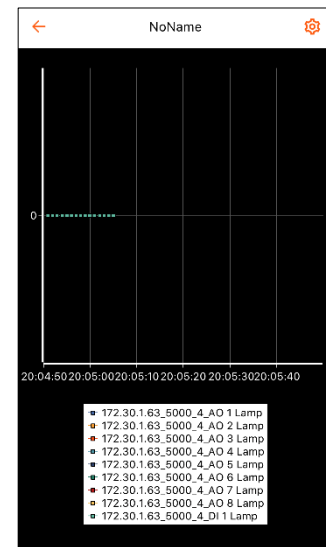
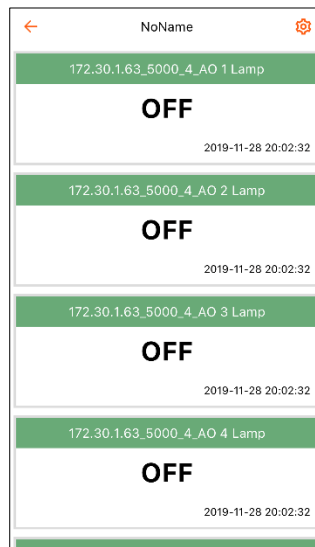


(3) Monitoring runtime

Touch the below Run and run time monitoring is run. The connection status is changed as blue. Select the desired runtime screen and monitor I/O in run-time.



| Tag Name | Time | Data |
|-------------------|------------------------|-------------------------|
| CH1 Present Value | 2019-11-07 16:45:15 | 26 |
| CH1 Set Value | 2019-11-07 16:45:16 | UUUUU 00000 nnnnn |



(4) Edit runtime (monitoring status)

At monitoring status, touch the edit icon and edit the display option at runtime screen. Depending on the runtime screen, options are different.

| Runtime | Changing options |
|-------------|---|
| Grid | Column head background color, column head font color, line color, line reverse color, alarm color, line font color, line color, select display line, display line length |
| Panel | Alarm color, background color, tag name text color, unit text color, value text color, time text color |
| Multi panel | Alarm color, background color, title bar color, lines for landscape mode, lines for portrait mode, tag name text color, value text color, time text color |
| Line graph | X-axis color, X-axis vertical line color, X-axis label color, X-axis label show, Y-axis color, Y-axis horizontal line color, Y-axis label color, Y-axis label show, graph background color, line information show |
| Bar graph | X-axis max. value, X-axis min. value, Y-axis max. value, Y-axis min. value, 3D display show, bar style(horizontal, vertical) |
| Gague graph | Gauge range max./min. value, green band range max./min. value, red band max./min. value |

Make Life Easy: **Autonics**