

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

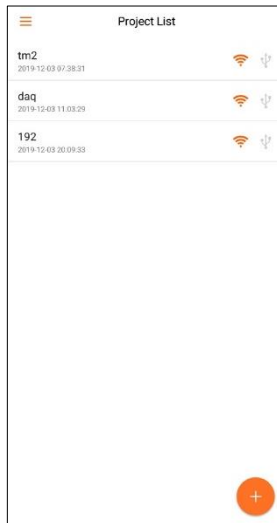
- Applied version: over iOS 12.0
- Contents level: over 3-year-old
- Authority
 - Pictures/Movies/Files: It can read / modify / delete the contents of the storage device.
 - Wi-Fi connections: Available to use all internet functions.
- Present version: 2.0
- Connections: TCP/IP (WiFi)

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.

Set TCP/IP

TM2
2-CH Modular Type Temperature Controller

Address Address

Port Port

Next

Set Station

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32

Insert Device

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.

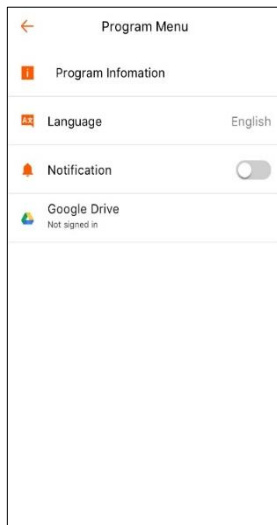


Touch the delete icon and the project is deleted.

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)

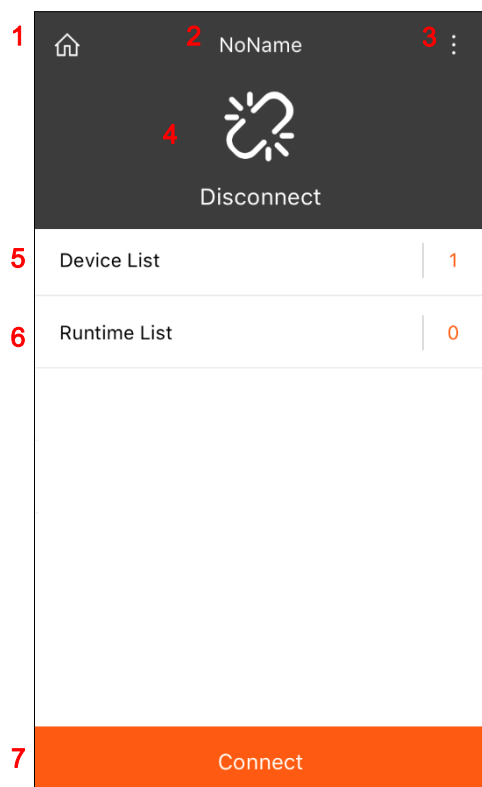
(3) Notification

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**

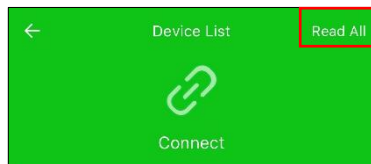
At the connected status, touch the each device and the more icon for parameter list.

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.

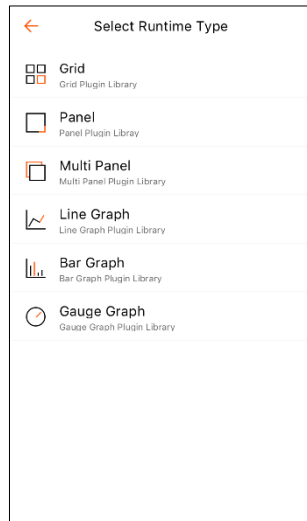
3.3 Runtime List

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.

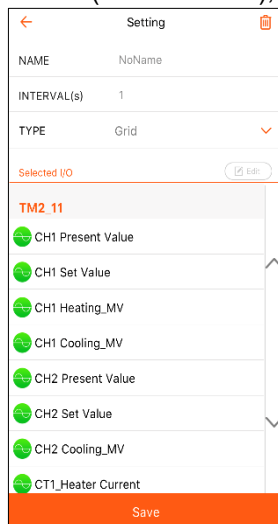
2nd Select the desired screen type (grid, panel, multi panel, line graph, bar graph, gauge graph)



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

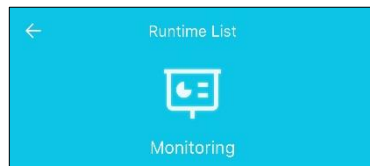
(2) Edit runtime (stop monitoring status)

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.



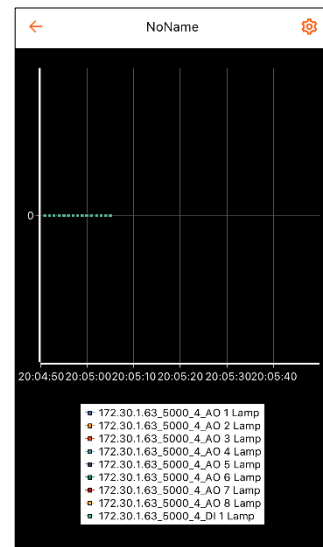
(3) Monitoring runtime

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.



Qwer		
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

NoName	
172.30.1.63_5000_4_AO 1 Lamp	OFF 2019-11-28 20:02:32
172.30.1.63_5000_4_AO 2 Lamp	OFF 2019-11-28 20:02:32
172.30.1.63_5000_4_AO 3 Lamp	OFF 2019-11-28 20:02:32
172.30.1.63_5000_4_AO 4 Lamp	OFF 2019-11-28 20:02:32

**(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

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* Dimensions or specifications on this manual are subject to change and some models may be discontinued without notice.