


1 Installation and Startup Guide

This document covers the installation of MT8051iE Series HMI, for the detailed specifications and operation, please refer to Datasheet, Brochure and EasyBuilder Pro User Manual. Please read all warnings, precautions, and instructions on the device carefully before use.

Install Environment:

NEMA Rating	The HMI product is NEMA 4 rated, indoor use only.
Electrical Environment	The HMI product has been tested to conform to European CE requirements. This means that the circuitry is designed to resist the effects of electrical noise. This does not guarantee noise immunity in severe cases. Proper wire routing and grounding will insure proper operation.
Environmental Considerations	<ol style="list-style-type: none"> (1) Make sure that the displays are installed correctly and that the operating limits are followed. Avoid installing units in environments where severe mechanical vibration or shocks are present. (2) Do not operate the unit in areas subject to explosion hazards due to flammable gases, vapors or dusts. (3) Do not install the unit where acid gas, such as SO₂ exists. (4) This device should be mounted in the vertical position and for use on the flat surface enclosure. (5) For use in Pollution Degree 2 Environment and dry location. (6) Relative Humidity: 10% ~ 90% (non-condensing)
Cleaning Considerations	Clean the device using dry cloths. Do not use liquid or spray detergents for cleaning.
IP rating	IP 65
 Warning	Protection impairment if used in a manner not specified by the manufacturer. Déficit de protection si utilisé d'une manière non spécifiée par le fabricant.

2 Unpacking the Unit

Unpack and check the delivery. If damage is found, notify the supplier.

NOTE: Place the operator panel on a stable surface during installation. Dropping it or letting it fall may cause damage.

- (1) Installation Instruction, 2-sided A4 *1
- (2) Human Machine Interface *1
- (3) Power Connector *1
- (4) Brackets & Screws *1 pack

3 Installation Instructions

Use a control box that provides enough stiffness. Cutout Dimension: 119 mm x 93 mm. Secure the operator panel in position, using all the fastening holes and the provided brackets and screws. Screw Torque: 2.6 ~ 3.9 lbf.in. (For reaching waterproof effect and preventing the panel from being deformed.)

Plan for adequate space around the unit in the enclosure, for ventilation and cable management. Avoid heat from other devices inside the enclosure. Maximum ambient temperature around the unit is 45°C*.

Minimum required clearances (along top/bottom/sides):
 Top 15 mm / Bottom 50 mm / Sides 15 mm
 Maximum panel thickness: 4.5 mm

*Operating temperature is 0°~50°C (32°~122°F). Do not use in installation without UL requirements.

4 Power Connections



Power Connector Specifications:
 Wire AWG: 24~12
 Wiring Conductor Minimum Temp: 0°C
 Screw Torque: 4.5 lbf-in (max.)
 Copper conduct only.

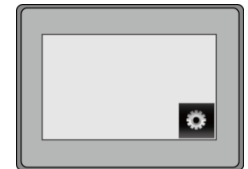
NOTE:

1. Connect positive DC line to the positive terminal and the DC ground to the negative terminal.
2. When downloading project to the HMI, do not connect HMI to USB cable and PC simultaneously, for a potential difference may result in damage to HMI or PC.

5 System Settings

When HMI is powered up and displays the password screen, the default password is 111111.

Go to Security tab, the default password is 111111. In MISC2 tab, if "Enable [Reset HMI to Default] button" can be found, it can be used to reset the HMI TO DEFAULT.



6 EasyBuilder Pro Software Settings

Launch EasyBuilder Pro software, select your project file, press F7 shortcut key to open the download dialog box: Select Ethernet > IP tab > Enter your HMI IP > Click Download to download this project file to HMI.

Using screensaver and backlight saver is recommended in order to avoid image persistence caused by displaying the same image on HMI for a long time.

(Please refer to EasyBuilder Pro User Manual for software operation details)

7 Communication Connections

NOTE: COM1 and COM3 [RS485] 2W support MPI 187.5K, please use one at a time.

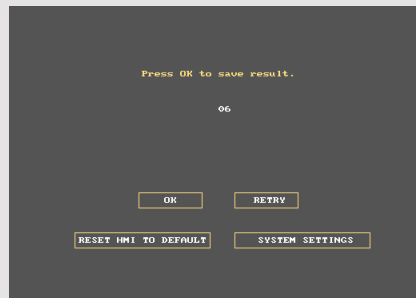
9 Pin, Male, D-sub
COM1 [RS232]
COM1 [RS485]
COM3 [RS485]

1 2 3 4 5
6 7 8 9

PIN#	COM1 [RS485]		COM1 [RS232] 2W	COM3 [RS485] 2W
	4W	2W		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

8 Calibration Mode

Press and hold anywhere on the screen when HMI starts until it enters touchscreen calibration mode. If "Enable [Reset HMI to default] button in calibration mode" is selected as described in Part 5 System Settings, then [RESET HMI TO DEFAULT] and [SYSTEM SETTINGS] buttons can be found in calibration mode. Follow the onscreen guide and press [yes] to restore factory default, and please note that the projects and data stored in the unit will all be cleared after this.



9 Battery Replacement

Battery replacement shall be performed by qualified personnel only and care must be taken when handling lithium batteries. For more information on battery replacement and disposal considerations, please refer to the following link:

http://www.weintek.com/download/MT8000/eng/FAQ/FAQ_103_Replace_Battery_en.pdf

CAUTION

NOTE: Make sure installing the unit.



Power

The unit can be powered controller DC systems. T switching power supply. T



Fusing Requirements

If the display does not prevent damage if the po and try to power up again



High Voltage

An Internal fuse will prev voltage sources should p



Emergency Stop

A Hard-wired EMERGEN Safety Recommendation



Supply Voltage Condition

Do not power the unit an power supply. Note: The power the unit.



Wire Routing

- Power wire length sh
 - Please use twisted p matching.
 - If wiring is to be exp
 - Keep AC, high energ
 - Add a resistor and ca supply and the frame
- Typical values to use

DANGER



Hardware Considerations

The system designer create an unsafe cond equipment start-up, wh If you use any program safety hazard exists a on your particular app programmable control recommended in NEM



Programming Considerations

To conform with ICS S that all writable registe the program, with an c

Limited Warranty

This product is limited warranted ag The proven defective product will e This warranty shall not cover any p
(a) Out of warranty period which is 12 month
(b) Damage caused by Force Majeure, accid
(c) Product has been repaired or taken apar
(d) Products whose identification markings h