


1 Installation and Startup Guide

This document covers the installation of cMT-iV6 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 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) Conform to UL 61010-2-201 safety requirement for use in Pollution Degree 2 Environment. (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, please contact the supplier.

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

The package includes:

- (1) Installation Instruction, 2-sided A4 *1
- (2) Human Machine Interface *1
- (3) Power Connector *1
- (4) Brackets & Screws *1 pack
- (5) Fuse 1.25A/250V 5*20mm *1

The packing box can be transformed into an HMI stand. Please follow the steps to make the stand.

1. Remove the center of the box cover along the perforated line.
2. Pull the two inner flaps.
3. Press down along the perforated line inside the box.
4. Complete the stand as shown.

3 Installation Instructions

Use a control box that provides enough space for the operator panel in position, using all the holes and the provided brackets and screws. Screw Torque: 2.6 ~ 3.9 lbf.in. (For real waterproof effect and preventing the panel from being deformed.)

Plan for adequate space around the unit in the enclosure, for ventilation and cable management, and the heat from other devices inside the enclosure. The ambient temperature around the unit should be 0 ~ 50°C
Minimum required clearances (along the enclosure):
Maximum panel thickness: 4.5 mm

4 Power Connections

Power Connector Specifications:

Wire AWG: 28~12

Operating Temperature: -40°C ~105°C

Screw Torque: 3.47 lbf-in (max.)

NOTE:

1. Connect positive DC line to the '+' terminal and the DC ground to the '-' terminal.

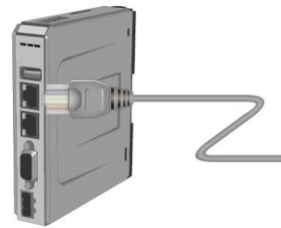
5 System Settings

Connect cMT-SVR, router, and cMT-iV6 to the network. Find the cMT-SVR and use the default IP address.

cMT-SVR Ethernet Ports:

Ethernet 1: DHCP

Ethernet 2: 192.168.100.1




6 Information

Tap Setting > Information to view the Machine type, HMI name, IP address, Subnet mask, Gateway, Mac address, App. version, and OS. version.

7 General & Language

Tap Setting > General to adjust screen brightness and audio volume by dragging the scrollbars.

Tap the key icon  to change the password.


Tap the screen orientation icon  to change screen orientation.

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.

Tap Language to select an interface language.

Tap Input Method to add international keyboards.

8 Time/Date & Network

Tap the lock icon , enter the password and click OK, the Time/Date and Network setting tabs will be enabled.

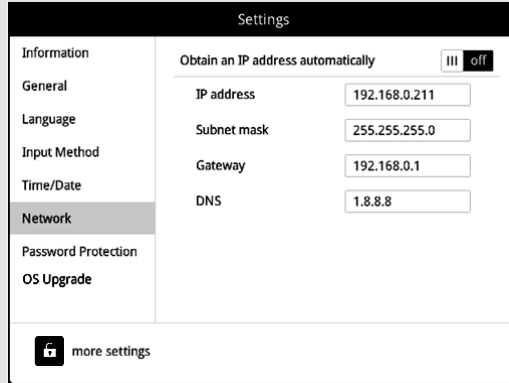
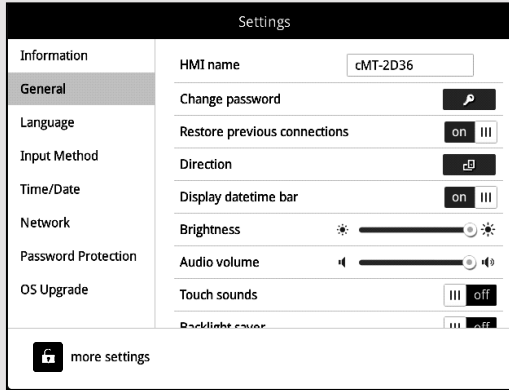
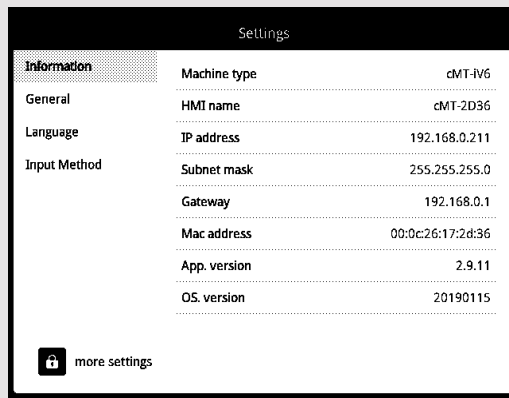
In Network tab, enable [Obtain an IP address automatically] or manually enter IP address, Subnet mask, Gateway, and DNS.

9 Touchscreen Calibration and Battery Replacement

Touchscreen Calibration: Press and hold anywhere on the screen for more than 2 seconds when HMI starts to enter touchscreen calibration mode.

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



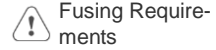
CAUTION



Power

NOTE: Make s
installing the un

Use power output th
powered by DC po
systems. The power
supply. The peak sta



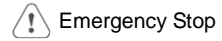
Fusing Require-
ments

Fuse min. rating: 1.2
within 5 seconds of p
of the DC power is in
Replacing fuse shall
<http://www.weintek.com>



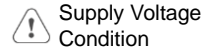
High Voltage

An Internal fuse will
voltage sources sho



Emergency Stop

A Hard-wired EMER
ICS Safety Recomm



Supply Voltage
Condition

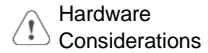
Do not power the un
power supply. Note:
power the unit.



Wire Routing

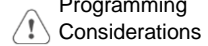
- Power wire lengt
- Please use twist
impedance matc
- If wiring is to be
devices.
- Keep AC, high e
- Add a resistor an
supply and the fr
dissipation. Typi

DANGER



Hardware
Considerations

The system design
thereby create an
interface can lead
physical injury to the
If you use any prog
potential safety haza
steps depend on yo
installation of solid-
installation of Contro



Programming
Considerations

To conform to ICS
ensure that all writ
checks built into the
personnel.

Limited Warranty

This product is limited warranted ag
The proven defective product will e
This warranty shall not cover any p

- Out of warranty period which is 12 month
- Damage caused by Force Majeure, acci
- Product has been repaired or taken apar
- Products whose identification markings h