



# RT760

## Fast reference manual

### 【Basic introduction】

#### <1> Type

--16.77 million colors LCD, has USB-A, USB-B port and RS485 port, hand held teaching device for machine industry.

#### <2>Version requirements

--Software version must be V2.E.7 and higher.

### 【Using method】

#### <1> Do not use under the following environment

- Wet and condensation
- Corrosive gas and dust
- Chemical and conducting liquid

#### <2> Layout

- Away from high voltage and current object
- Correct polarity and voltage of the power supply
- Correct connection of the communication cable

#### <3> Cleanness

--The product cover will be corroded by strong acid, alkali, organic solution

### 【Characteristics】

Input voltage: DC22-26V

Consumption current: 250mA

Voltage endurance: AC1000V, 10mA 1 minute (signal and time)

Operation temperature: 0~50°C

Storage temperature: -20~60°C

Ambient humidity: 10~90% (no condensation)

Anti-jamming: voltage noise 1500Vp-p, pulse width 1us for 1 minute

Protection level: accord with IP66

### 【Function】

Resolution: 800×480 pixels

Display: TFT true color, 16.77 million colors

LCD: 7 inches

Memory: 128MB

Software: Edit in Touchwin software, support bmp, jpeg format pictures

Button: touch mode buttons and 20 membrane buttons, the button functions are self-defined, the buttons are sensitive and accurate.

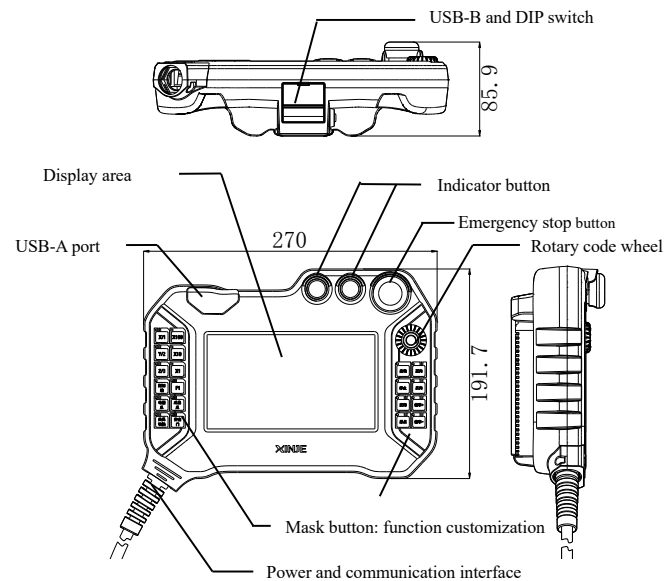
Brake switch: urgent stop switch, to ensure the system security in emergency condition.

COM port: USB-A, USB-B, COM (RS485)

Special function: data backup (CSV file export and import), self-defined flash, X/Y trend map.

### 【Installation】

#### <1> Dimension (unit: mm)



Note: -- USB-A is for connecting flash disk to import and export csv format data.

-- USB-B is for program downloading.

### 【DIP switch】

Switch	1	2	3	4	Function
State	ON	OFF	OFF	OFF	Undefined
	OFF	ON	OFF	OFF	USB port forced download
	OFF	OFF	ON	OFF	System menu: system time, touch screen calibration
	OFF	OFF	OFF	ON	Internal detection mode (Not open to users)

### 【Communication port】

The power interface and communication port of RT760 teaching machine is 12-core round aviation plugs, which need to be wired by the customer. The interface definition is as follows:

Pin	Color	Name	Pin	Color	Name
1	White black	COM	7	White purple	RS485-GND
2	Brown	Rear switch	8	White green	RS485-A
3	Black	Emergency stop	9	Orange	RS485-B
4	Yellow	Code wheel switch	10	White	PLS-GND
5	Blue	0V	11	White orange	PLS-B
6	White blue	24V	12	Purple	PLS-A


### 【Communication function】

--COM (RS485) has communication functions. can connect to various devices, such as PLC, inverters.

### 【Making a project】

Making a complete RT760 project includes the following steps:


#### <1> Build a new project

Open the software, click “”, select the HMI type and PLC type.

#### <2> Edit the project

Please refer to TouchWin edit software user manual.

#### <3> Download the project

Connect the download cable correctly, click “” to finish download.

#### <4> PLC communication

Connect the cable to the PLC, then it can exchange data with PLC.

Note: --For detailed information, please refer to the user manual.

--You can use Xinje cable or make the cable according to the cable diagram.

### 【Project update solution】

#### <1> Forced update

If the user mistakenly deletes the imported project, remove the rear cover of the teaching machine, disassemble the rear cover of RT760, turn the dial switch3 to ON, and power on the teaching machine again. After the rear cover of the teaching machine is removed, you will see the dial switch as shown in the following figure:



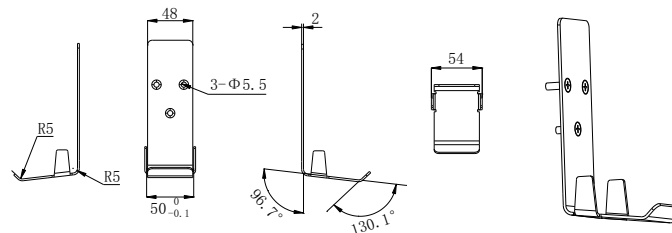
After power on again, the project file can be imported normally.

#### <2> Power on restart

After the project file is imported successfully, turn the No. 3 dial switch to OFF, power on and restart to work normally.

### 【Parts】

The Xinje RT760 can be used with an external bracket. The dimensions of the bracket are as follows:



批注 [q1]: 下面的图我也换了一下, 好像没有上面的清楚