

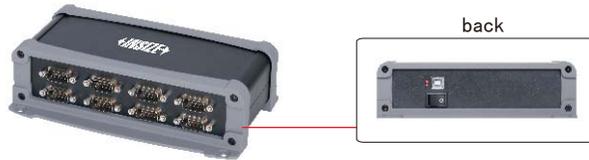


7210
MULTI CHANNEL INTERFACE BOX
MANUAL



Introduction

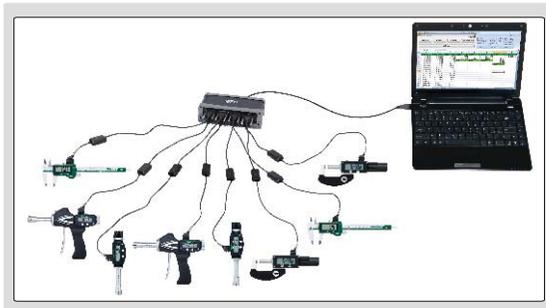
- **7210-2:** The interface box can be connected to measuring tools such as calipers, micrometers, and digital display meters (7305-R series data output cables need to be purchased).
- Output serial port signals, which can be converted into keyboard signals using the standard COMTOKEY software. Data can be transmitted to any keyboard input area, such as Excel, WORD, TXT, and other documents.
- The interface box is equipped with Excel directional input software as standard, which can achieve Excel directional transmission.
- The interface box can connect 8 data output cables, each with a unique identification code.



8-channel interface box
7210-2

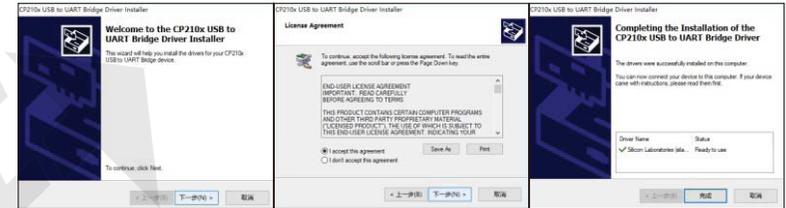
Connect Operation

The interface box is connected to the data output cable and measuring tool, and the connection cable of the interface box is connected to the computer. Turn on the switch on the back of the interface box, and press the red transmission button of the data output cable to transmit data



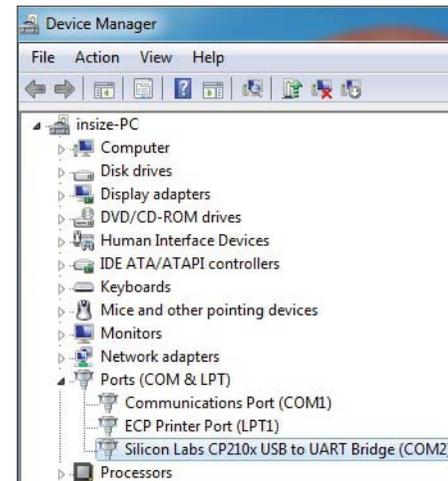
Install The Driver

- 1 Open the Drivers folder and install the driver (CP210xVCPInstaller_x64 for 64-bit system; CP210xVCPInstaller_x86 for 32-bit systems). The steps are as follows:



COMTOKEY Software Operation

- 1 Plug the receiver into the computer's USB port (the COM port can be viewed in the device manager) as shown on the right:



- 2 Double-click to open the application COMTOKEY, select the port number; click "Connect"; can automatically identify the connected channels of the interface box, and unconnected channels are not displayed



COMTOKEY main interface

- ③ Data Transfer: click "Run", open the Excel table. Tap the red button on the data output cable to transfer the measuring data to the desired position, which is equivalent to entering data with the keyboard and pressing the Enter key.

In the case of EXCEL, the data will be input into the selected cell and followed by an ENTER command (skip to the next cell, the direction of movement can be set in the EXCEL advanced options), as shown on the right.

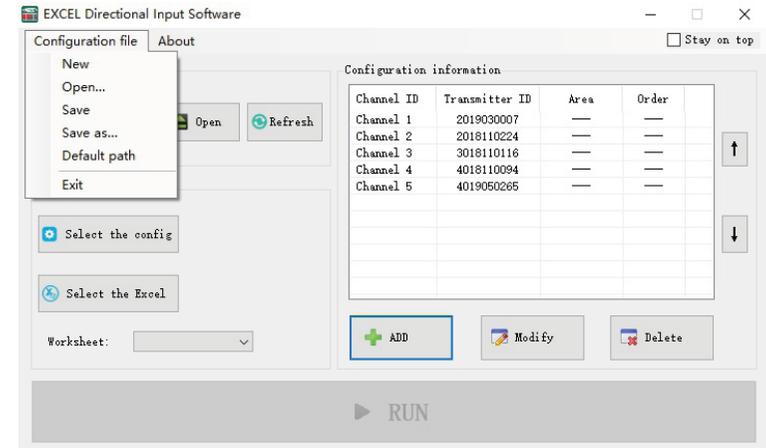
	A	B	C	D
1	10.88			
2	5.963			
3	50.03			
4	25.49			
5	50.05			
6	10.89			
7	25.51			
8	5.965			
9	10.86			
10	50.04			
11	50.05			
12	50.02			

Directional Input Software Operation

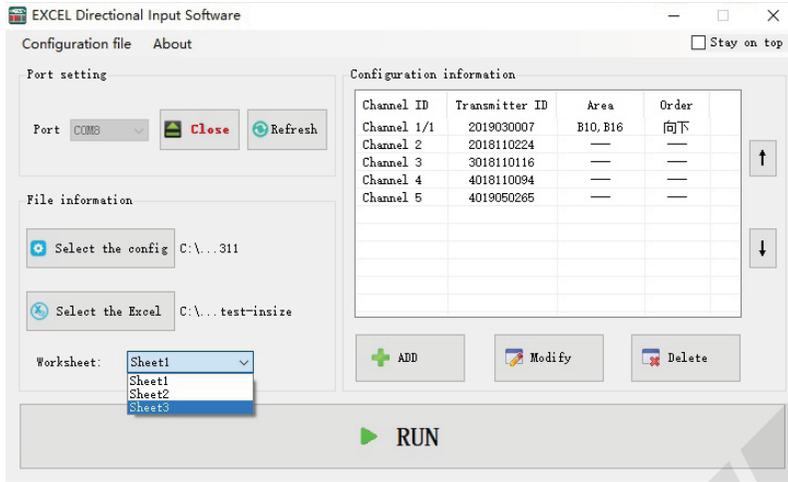
- ① Directional Input Software: which can transmit the measurement data to the fixed area in Excel sheet and generate the measurement report, so as to record the measurement data conveniently.



- ② Open the directional input software, click 'Configuration file' and select 'Default path' to set the default location of the configuration file. Click 'Configuration file' and select 'New' to create a new configuration file (the default save path is the previous default location, you can also change the save path of this configuration file in this interface). Back to the main screen, the 'File information' panel displays the newly created configuration file. The configuration information added after this will be saved in this file, which can be opened directly next time to use, no need to set again.



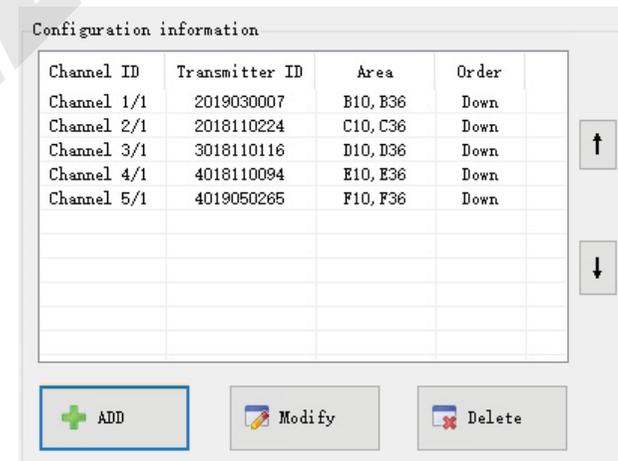
- 3 Select the correct port number, click 'Open', and the 'Configuration information' panel on the right side will display the information of the corresponding configuration file. Click 'Select the Excel' in the 'File information' panel, select the Excel required for directional transfer and select the corresponding worksheet.



- 4 Go back to the main screen and click 'ADD'. In the 'Add setting' window, you can enter the write area manually or select the required transmit range in the open excel file. The selected area will be automatically filled in the corresponding position, select the required write sequence, and click 'Add setting'. The configuration information of the current channel will be added. Click the drop-down key next to the channel number to select the channels to add configuration. After all channels are configured, click 'Close' to return to the main interface. The configuration file just added will be displayed in the right panel (the configuration information may be selected in a specific Excel, but the configuration information can be applied to any Excel).

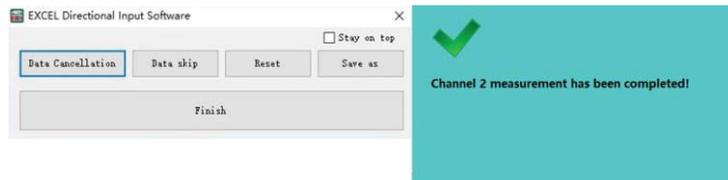


Each channel can add multiple directional transmission areas, which can be transmitted in sequence during transmission. The transmission sequence of direct transmission areas in the same channel can be adjusted through the updown buttons on the right side of 'configuration information' panel.



- 5 If you need to modify the configuration information of one channel, just click to select the channel and click Modify configuration. In the modify configuration window, change the corresponding data and click Modify configuration. If you need to delete the configuration information of one channel, just select the channel and click Delete configuration.

- 6 After adding the configuration information correctly, click RUN. The excel sheet shows where each channel is to be written. Press the send button on the data output cable, and the measurement data will be automatically filled in the corresponding area in the Excel sheet. After one channel data measurement is completed, continue to click the send button, the software will pop up prompt.



- 7 If the measurement is wrong, click 'Data Cancellation' in the window to delete the previous measurement data. It should be noted that continuing to click 'Data Cancellation' will not delete the penultimate measurement, but will delete the previous measurement of the current directional transmission channel. Example: channel 1 transmits A, channel 2 transmits B, channel 1 transmits C. Click 'Data Cancellation', C deleted, click 'Data Cancellation' again, A deleted. If some cells do not require data transmit, you can click 'Data skip'. If you need to remeasure, click Reset and all measurements will be deleted.

	B	C	D	E
		0.123		0.232
			Data skip	0.232
		0.19		0.232
Channel 1		0.313		0.232
		Channel 2		Channel 4
				0.232

- 8 After all data are measured, click 'Finish' to end the measurement. Click 'Save as' to save the measurement data in the new Excel.

- 9 If the measurement window is closed halfway to return to the main interface or the software is closed, use the configuration file again and click 'RUN', the software will prompt whether to continue the last measurement and display the measurement progress.

