

E63.C1K E70 Piezo Controller Software

User Manual

Version: V1.0





This document describes the following products:

■ E63.C1K Piezo Controller Open loop 1 channel

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Install usb device driver: Check device manager.

 Universal Serial Bus devices
COREMORROW-USB

Connect	-	-	a local data and the	×
[CoreMorrow Control Software	
	Serial Port	USB Port		
	USBID	USB_XMT	<u>_</u> 1 •	
			Scan USB Device	
De	eviceInit:			
			Connect	

(1) Click "Scan USB Devices";

(2) Then click the "Connect" button. If there is USB device, select the USB to be opened through the drop-down menu.

(3) Open the USB successfully.

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(1)Fill in the output voltage, and then click "Send" to complete the output voltage control;

Accordingly, the actual output voltage is displayed in the lower right corner.

(2)"Zero": Fill "0" in the edit box and send 0 to the piezo controller to control the reset voltage.

(3)Step length: fill in the control amount of small step.

Select " +" ,add the step size value to the current position.

Select "-", subtract the step size from the current position.

1-channel control		Direction	Step length	
CH 1 0 Send Zero		+ •	0	Step
Within the travel range, the slider controls the voltage or d	Closed-loop control isplacement			
•				



Operational control from A to B, setting the coordinates of A and B, then run time from A to B which compose run track of A to B, run time of serial port and USB by sending points data.

Operation control from point A to point B Cycle: 1	Multi-point operation control Generate excel template	Cyde:	1 N	umbers	Exit this page
Point A: 0	Import excel data	CH:1 V Start Stop			
Point E: 10 A to B run time: 1000 ms Oct I • Start Stap Read OpenOrClosed Open/dosed loop control Open loop V	Serial number	A Point	B Point	Run Time ms	Remarks-Seri
Info:					







After scanning and turning on the USB, system parameters can be read with minimum voltage of 0V and maximum voltage;

The system reads the information automatically; The maximum displacement is filled in according to the experimental report.

			USB s	etting serial port 96	500 baud rate Up	date data	Exit this page
Lower computer	Total Num of Ch	Communication	Constant voltag	Sensor type	Analog input	Bridge road	Version numbe
E63	1	USB/			8.800 To 8.800		Version number.
Stage name	Total Num of Ch -	Drive mode-linear -	Constant voltag	Sensor type -			
Num of Ch	Min.voltage/v	Max.voltage/v	Min.stroke	Max.stroke	Load/uf	Power/w	BandwidthKhz
NO.1Ch	0.000	150.000	0.000 µm	0.000 µm	0.000	1.000	1.000



	Standard waveform	15 8	
	Wave type Peak to peak value/ V	Frequency/Hz Bias/ V	
l	Sine Wave 🔻 0	0 0	Send Stop Closed-loop control
		0 Frequency increment	Exit this page Open loop V

Fill in the waveform data: peak-to-peak value, frequency, bias and waveform information, and then click "Send" to complete the input of waveform, and the waveform is output until "stop" is clicked;

This intermittent control does not stop until the "stop" is clicked.





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