

**CUBLOC Start Kit 220** 

Max's Quick Start Guide for CUBLOC START KIT 220

## Quick Start Guide



1) You should have received a module, study board, DC Jack, Yellow Jumper wires, serial cable, and a manual with your start kit.



2) Simply put the CB220 into the DIP socket like shown in above picture. Connect the serial cable to the TOP serial port of the study board. You can connect 9-12V to the + and – of the DC Jack. The polarity does not matter for the study board, so simply hook + to one of the lines and – to the other. If you bought our 12V DC Adaptor, you can simply plug that in.

3) Load your CD into your PC and you will see the following screen:



4) Select "Install CUBLOC Studio"

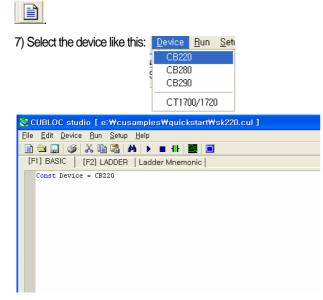
🔂 Setup – Cubloc Studio 📃 🗖 🔀		
	Welcome to the Cubloc Studio Setup Wizard	
	This will install Cubloc Studio on your computer.	
	It is recommended that you close all other applications before continuing.	
A	Click Next to continue, or Cancel to exit Setup.	
	Next > Cancel	

5) Follow the instructions and launch the CublocStudio program.

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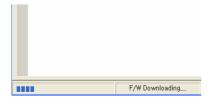
6) Once you see the above screen, click on new file button



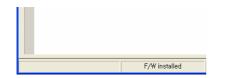
8) You should see Const Device=CB220 like above.

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 PC interface setup Editor environment setup Studio Options	
<u> </u>	ware download

9) Under setup, choose "Firmware download". This will update your CB220 module to the latest firmware. You can always download the newest version of CublocStudio from our Download page on our website, <u>www.comfiletech.com</u> and do this in the future too, to upgrade to the latest firmware.



10) You will see a bar on the lower-left hand side incrementing when the firmware is being downloaded. Don't worry if your PC hangs during this time, it is completely normal. The firmware download should take 20 seconds to 2 minutes depending on your PC speed and type of serial cable used. Once it's done, you will see "F/W installed" at the bottom of CublocStudio like below screenshot:



11) Let's try downloading an empty program in to our CB220 module on the study board. Press on the button

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저장 위치([):	CuSB		•	+ 🗈 💣 📰+	
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	파일 이름( <u>N</u> ): 파일 형식( <u>I</u> ): C	UBLOC Source file(+,cul)		▼ ▼	제장( <u>S</u> ) 취소

12) You will see a file dialog window appear. Simply choose a name for your source file and click on Save.

13) Your program will download automatically now.

Congratulations! You have successfully downloaded a program. If you got any errors, please double-check your serial-cable is connected correctly and the Com Port is set to the correct port.

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🗈 🖻 🛄   🏈   👗 🖻	PLC <u>S</u> etup Wizard			
[F1] BASIC [F2] LA	<u>P</u> C interface setup			
	<u>E</u> ditor environment setup <u>S</u> tudio Options			
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14) You can check your Com Port setting by going to Setup > PC Interface setup like above screenshot.

🧼 Po	Port Setup		
_ C	om Port		
	COMI COM	C COM2	
	С СОМЗ	C COM4	
	C COM5	С СОМБ	
W	lait Time J	8, and download just wait time,	
		Ok Cance	

15) Just make sure you have the correct port number and you can try pressing the run button again .

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16) Let's make a simple program and make the LEDs flash. Connect Jumper Wires like shown in the below picture:

(You are connecting 0 to 3 on the black holes to L0 to L3 on the LED OUTPUT.)

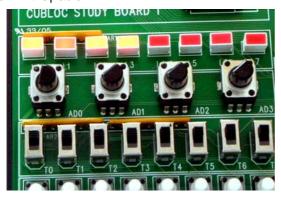
(Here, 0 to 3 on the black holes mean P0 to P3 on the CB220 I/O Specs)

17) Now you are ready to make a simple program since the LEDs are connected to P0, P1, P2, and P3 I/) ports.

Const Device = CB220
Do
Out 0,1
Out 1,1
Out 2,1
Out 3,1
Delay 100
Out 0,0
Out 1,0
Out 2,0
Out 3,0
Delay 100
Loop

18) Copy the above lines into your program and press on the run button .

19) You should see the LEDs on the study board flashing like shown in this picture:



20) Congratulations, you've made your first CUBLOC program! All the peripherals on the study board can be connected to I/O pins of the CB220 using the Jumper wires just like connecting the LEDs.

21) Happy cubing!