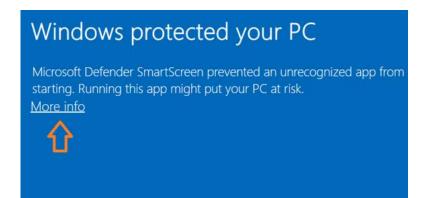
Lumex EzRing Console – Quick Guide

Kevin C.

1. ezRing software installation

- 1) Download link https://www.lumex.com/attachment/ezRingSetup.zip
- 2) Unzip and run ezRingSetup.msi





2. Install SiliconLabs CP201x driver

1) Download driver from SiliconLabs:

Current Link: https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads

2) Please check EzRing "Device Configuration" Tab, it supposed to have "USB to UART Bridge (COM#) selection before EzRing operation.

If the driver didn't workt, you need to remove the old driver, and install again.

On the Windows OS, you can go to Start > Device Manager and check the driver status is well installed or not:



3. Connect **Digital LED Evaluation Kit** to your USB port by micro-USB cable.

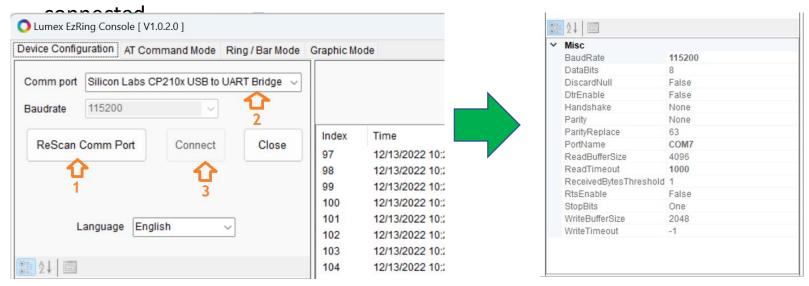


4. Open and Edit in EzRing software



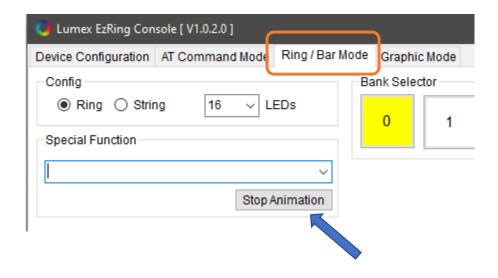
1) Double click the icon

- to open Lumex EzRing Console.
- 2) When your "Digital LED Evaluation Kit" is connected and USB to UART bridge driver is well installed, click "ReScan Comm Port" button, you will find "Silicon Labs CP201x USB to UART Bridge" appeared in the list of "comm port".
- 3) Select Silicon Labs CP210x USB to UART Bridge, then Click "Connect" button. If you found the UART connection parameter appeared at the bottom left corner of EzRing Console, the connection between PC and Kit is successfully



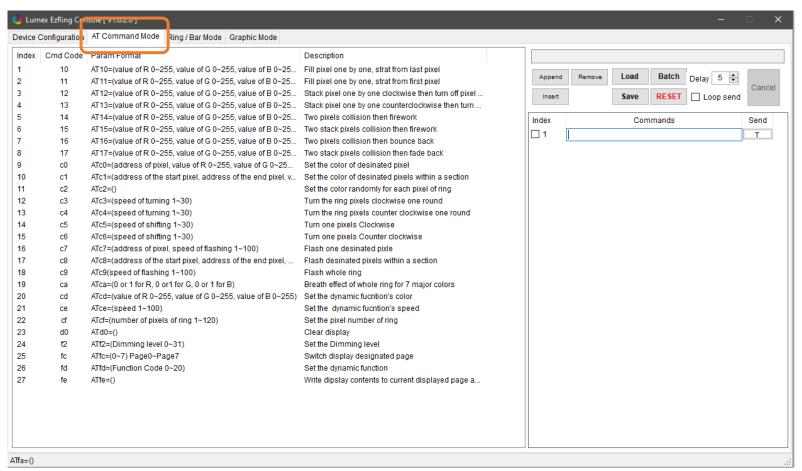
5. "Ring /Bar Mode"

 Our Evaluation Kit is default to run a Demo while powering up. You can press "Stop Animation" button to stop Demo right away.



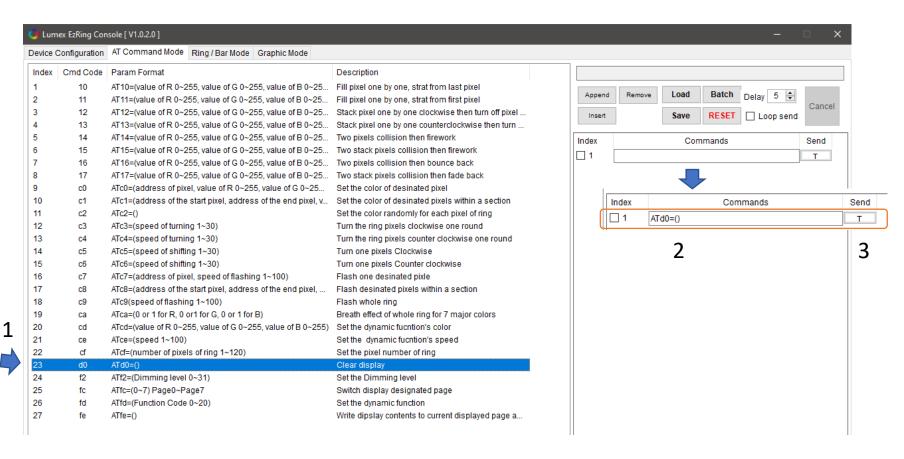
6. "AT Command Mode"

Click the tag "AT Command Mode" to start AT Command editing.

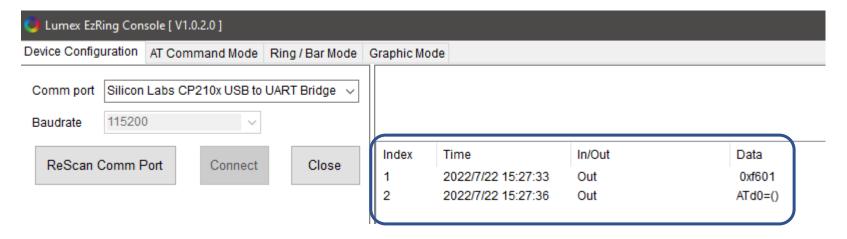


7. Take an example of "Clear display" command: ATd0=()

- <Step 1> Double click Command you assigned,
- <Step 2> the software will automatically fill the dialogue with the scripts you click.
- <Step 3>Press "T" button to send command, all of LED will be OFF by "ATd0=()" command.

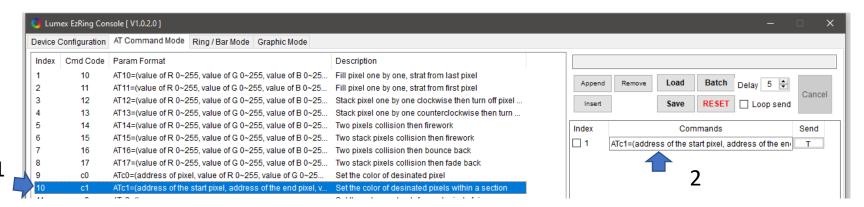


8. How do I know the communication status? Please move to "Device Configuration" Tab.



Atd0=() is logged by software.

9. Take an example of Command ATc1
Set the color of designated pixels within a section.



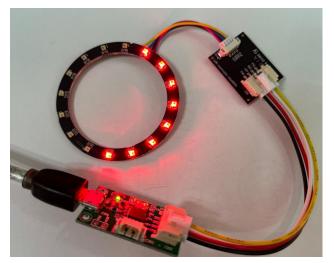
<Step 1> Double click ATc1 command,

<Step 2> The software will be automatically filling in the right command dialogue. <Step 3> Modify the command syntax:

Here is the command syntax. Remember not to use "spacebar" during typing scripts.

ATc1=(address of the start pixel, address of the end pixel, value of R 0~255, value of G 0~255, value of B 0~255)

Here is the example: ATc1=(0,7,255,0,0)After this command was sent, you will see LED 0 \sim LED 1 is illuminating Red color.



10. Check the communication status, move to "Device Configuration" Tab.

You can find the command "ATc1=(0,7,255,0,0)" " was sent successfully and logged by software.

