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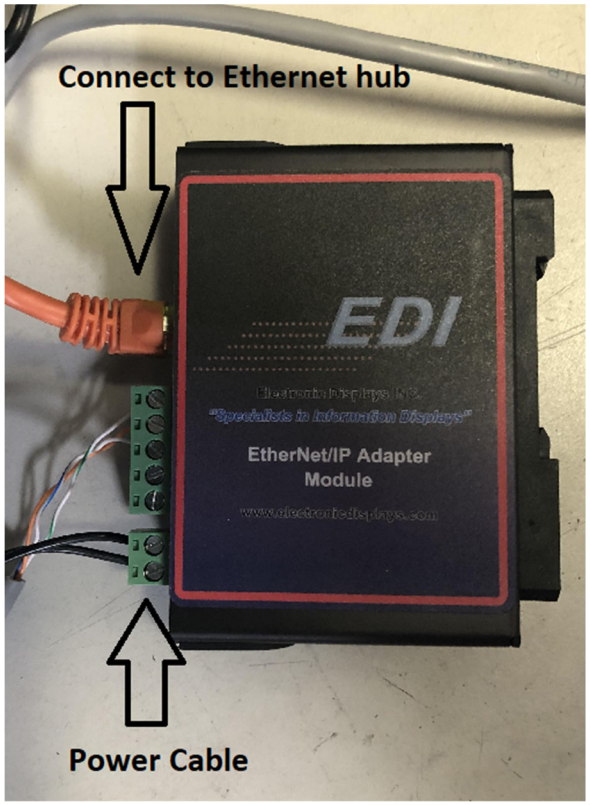
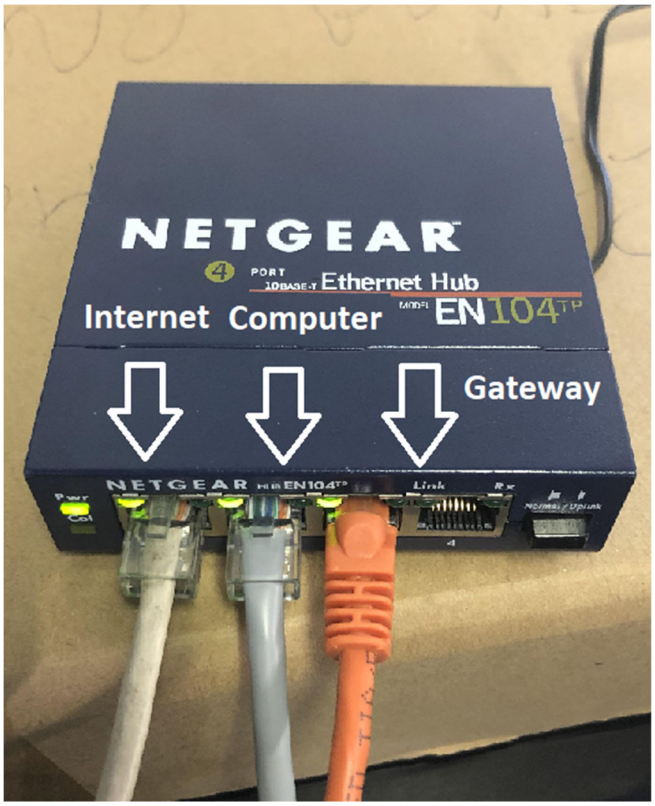
ELECTRONIC DISPLAYS INC.
135 S. CHURCH STREET
ADDISON, ILL. 60101
www.electronicdisplays.com

ED3600 Gateway Device

Necessary Physical Connections

1. Connect ED3600 Gateway to Ethernet hub using CAT6 cable as seen below in Figure 1. Connect hub to computer, then connect wired Internet connection using CAT6 cable. The finished Ethernet hub is shown in Figure 2.





Figures 1 & 2. Necessary connections are shown and outlined. Make sure all connections are secure before moving on to next step.

2. Using the provided power supplies for both the Ethernet hub and the ED3600 Gateway respectively, connect both to a wall outlet. The Ethernet hub will have

green lights signifying that a solid connection has been made and the ‘Pwr’ indicator will remain lit.

Programming ED3600 Gateway

1. Open a web browser (Internet Explorer, Google Chrome, FireFox, etc…) and in the top address bar type ‘192.168.1.11’, then press enter. You will be brought to the Main Page as seen below in Figure 3.

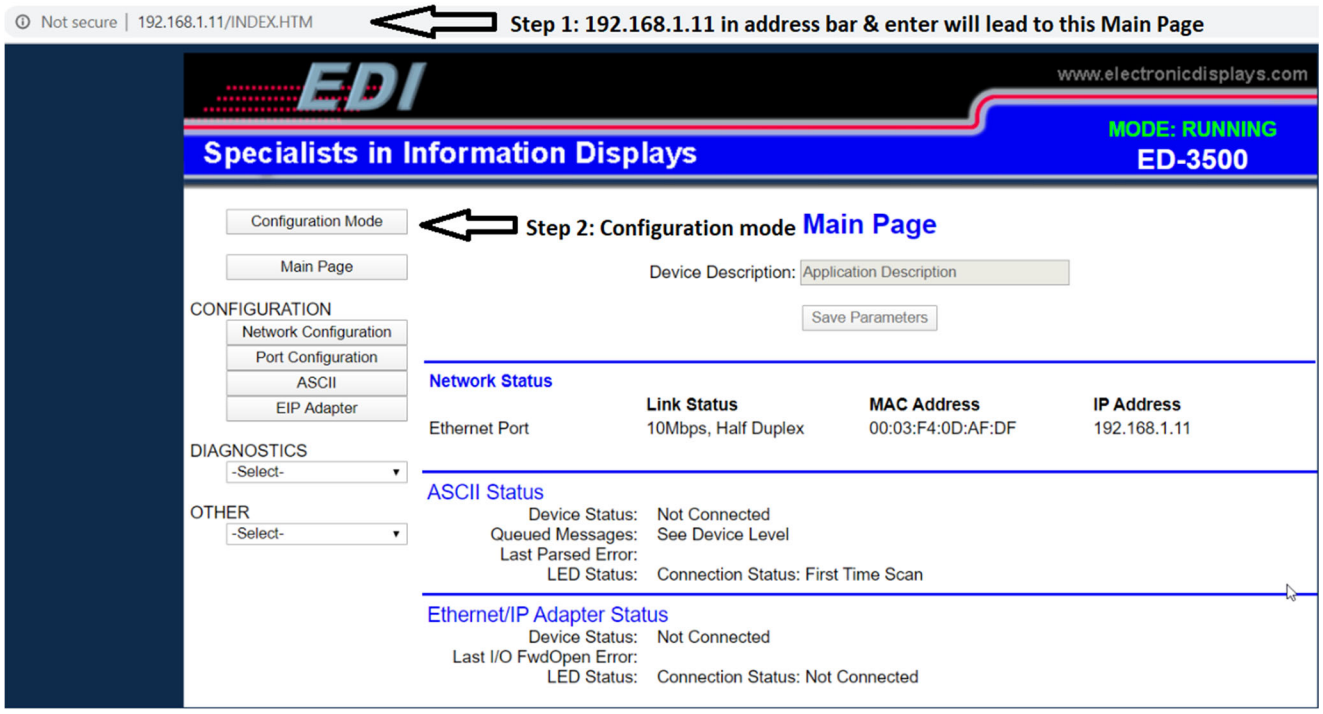


Figure 3. Steps 1 & 2 are shown and Main Page is displayed. Note the ‘Running’ indicator in the upper right corner.

2. Click on the ‘Configuration Mode’ indicator on the left side of the screen as shown above. Click ‘OK’ for any warnings that appear.

3. Once redirected to the Configuration Mode main page as seen in Figure 4, click on ‘Port Configuration’.

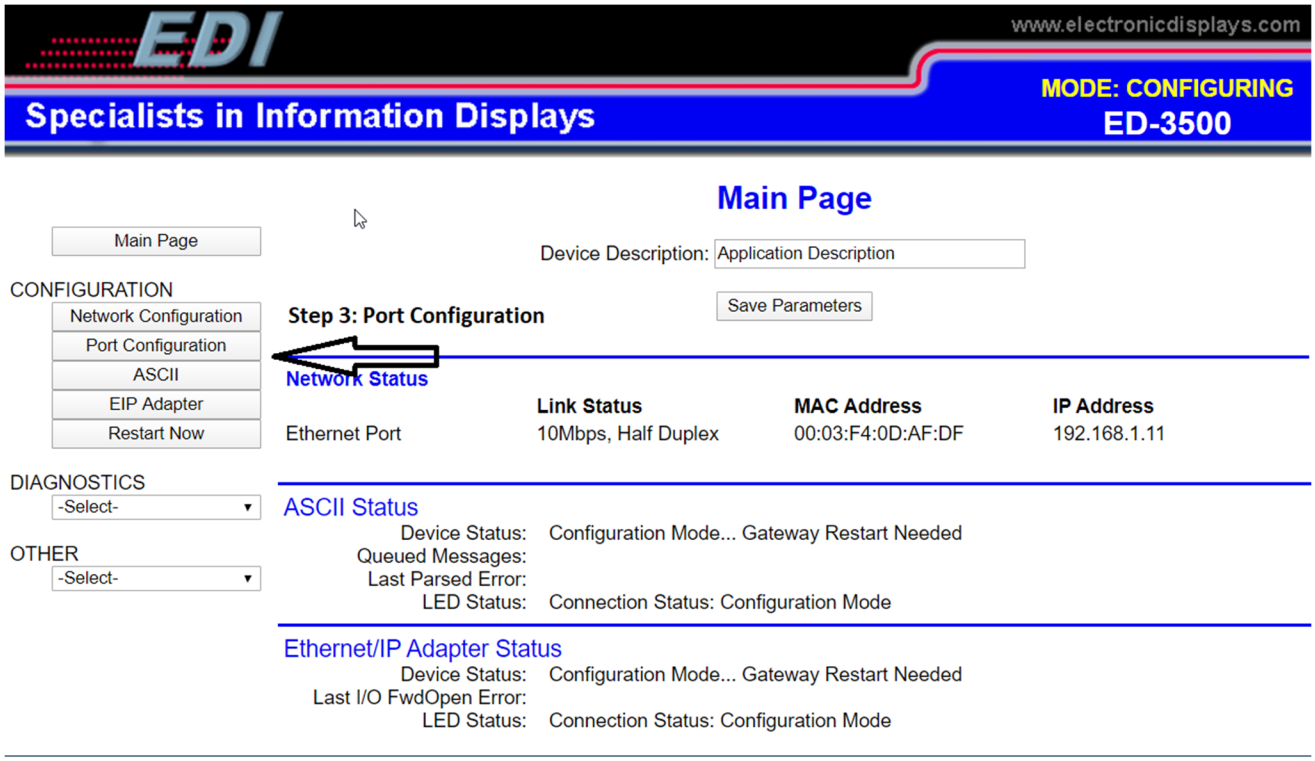


Figure 4. Configuration main page is shown. Note the 'Configuring' message in the upper right corner.

4. Click the drop-down menu for 'Mode' and select RS232. This is shown in Figure 5 below.

5. Next, click the drop-down menu for Serial Baud and select '9600'. This is also shown in Figure 5 below.

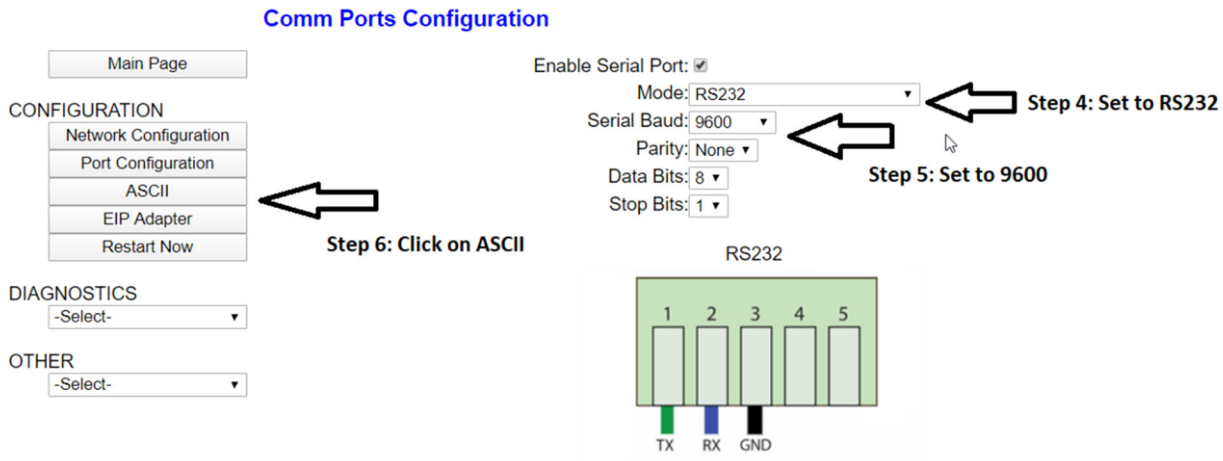


Figure 5. Steps 4, 5, & 6 are shown. ***<u>Nothing should be changed besides Mode and Serial Baud.</u>***

6. Click on the ‘ASCII’ tab on the left side of the screen. This will redirect you to the ASCII Configuration menu.

7. In both the ‘Receive Data’ and ‘Transmit Data’ columns, change the Max Message Length to 196 characters. This is shown below in Figure 6.

8. Under both columns again, change the ‘Start’ and ‘End’ values to read a value of ‘1’. This is shown in Figure 6.

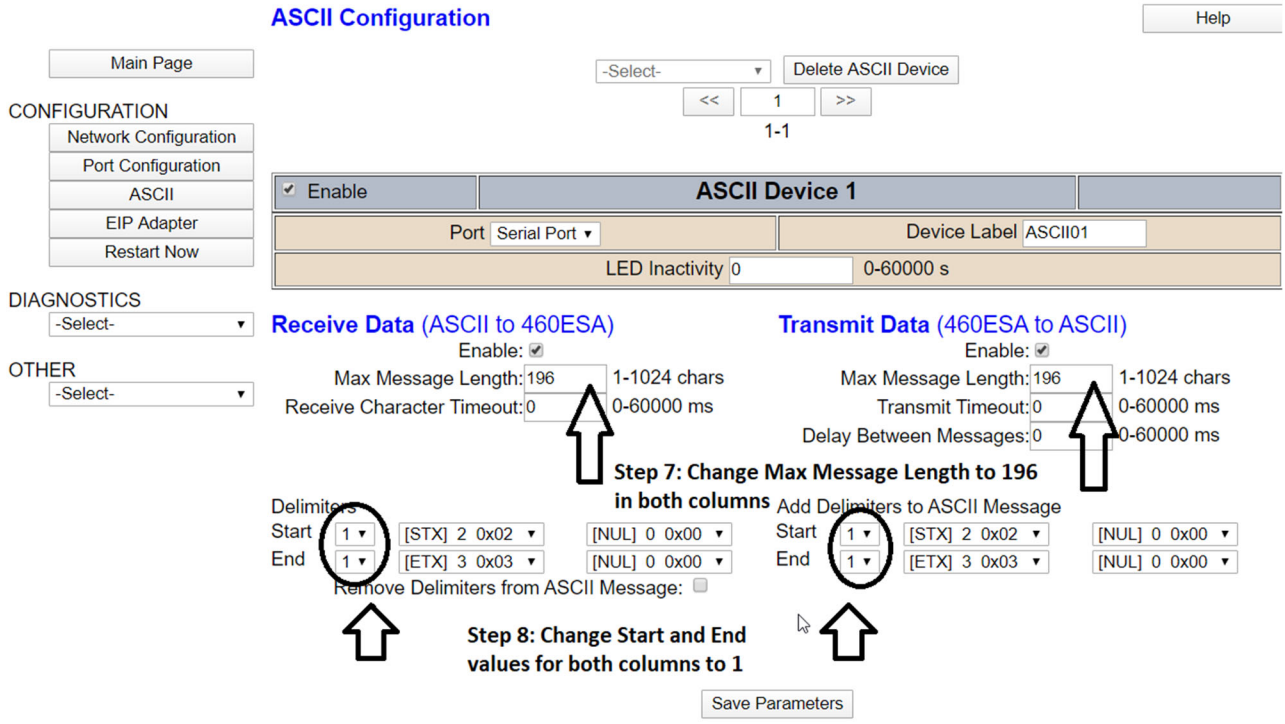


Figure 6. Steps 7 & 8 are displayed in their completed states. ***IMPORTANT: Note that the Receive Data and the Transmit Data match.***

9. For both ‘Receive Data’ and ‘Transmit Data’, click on the drop-down menu for Start and select [STX] 2 0x02. This is shown below in Figure 7.

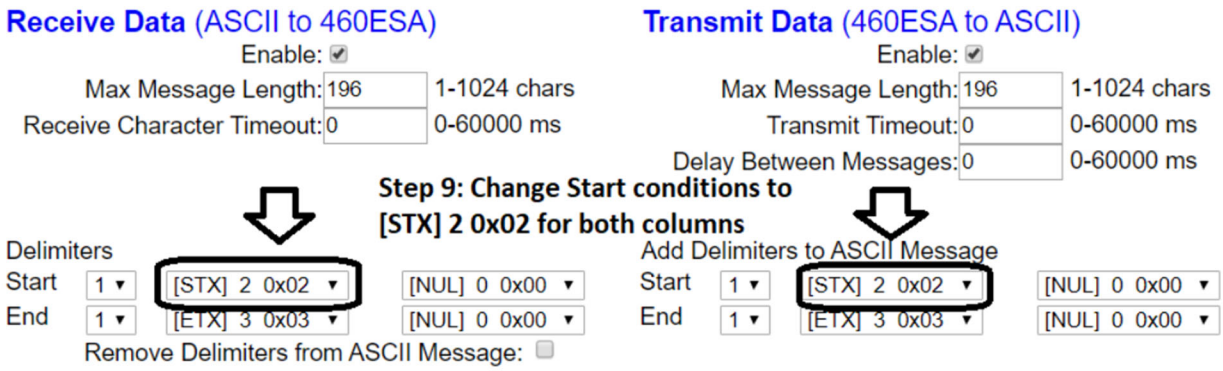


Figure 7. Start conditions are displayed in their final states of [STX] 2 0x02.

10. For both ‘Receive Data’ and ‘Transmit Data’ columns, click the drop-down menu for the End conditions and select [ETX] 3 0x03. This is shown in Figure 8.

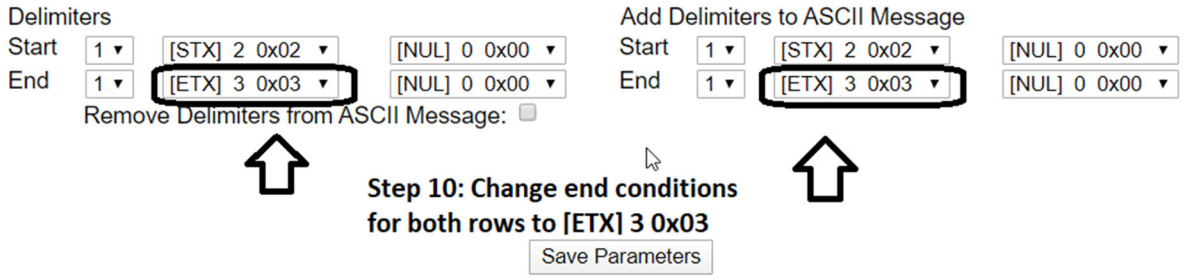


Figure 8. End conditions are displayed in their final states of [ETX] 3 0x03.

10. Click ‘Save Parameters’ located at the bottom of the screen. This is shown in Figure 9 on the next page.

11. Click ‘Restart Now’ located at the left side of the screen and click accept to the popup notification.

12. You will then be redirected to the Main Page.

13. Programming process complete!

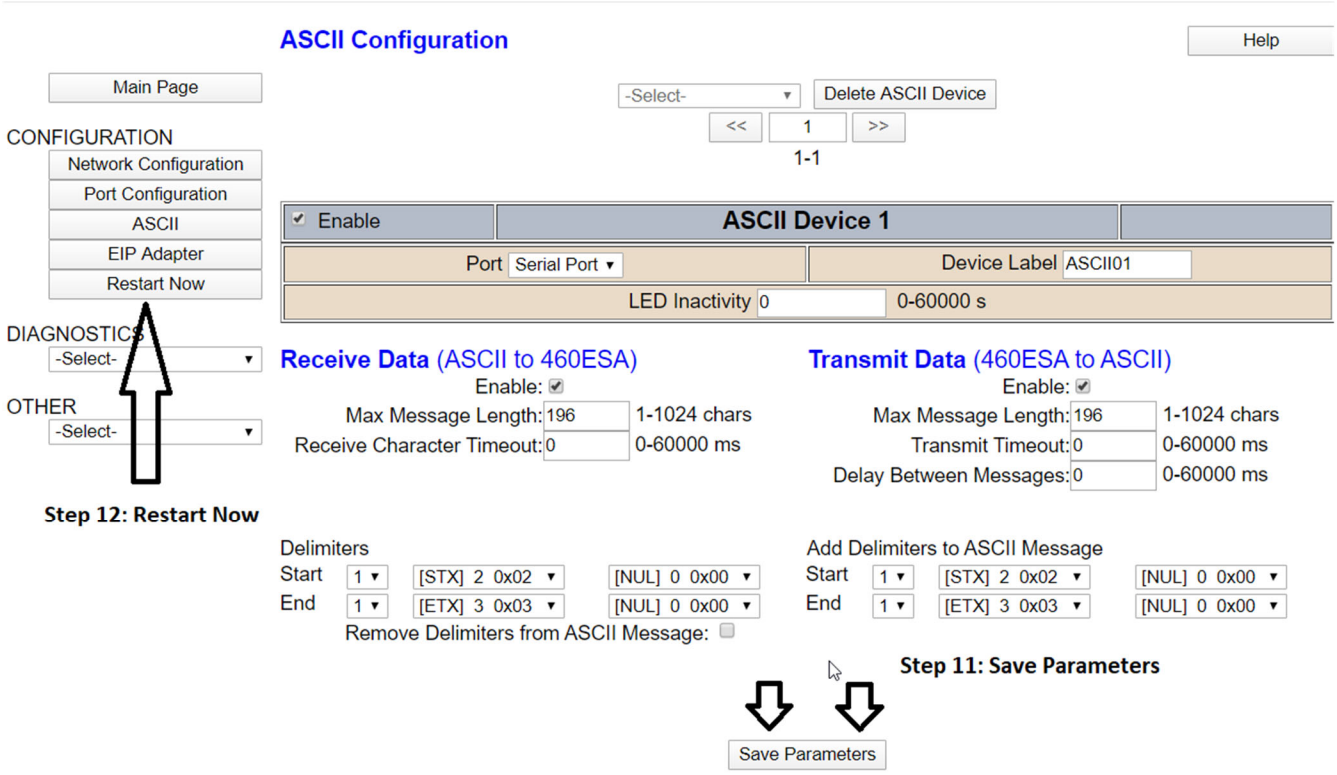


Figure 9. The final steps of Saving Parameters and restarting device are shown.

Updating ED3600 Gateway

1. Connect ED3600 Gateway to computer using CAT6 cable

2. Access the RTA AutoUpdate software already installed on computer, or download at https://www.rtautomation.com/460-gateway-support/ and select "AutoUpdate.exe".

3. Run the AutoUpdate.exe file and click the Find button as shown in Figure 10.

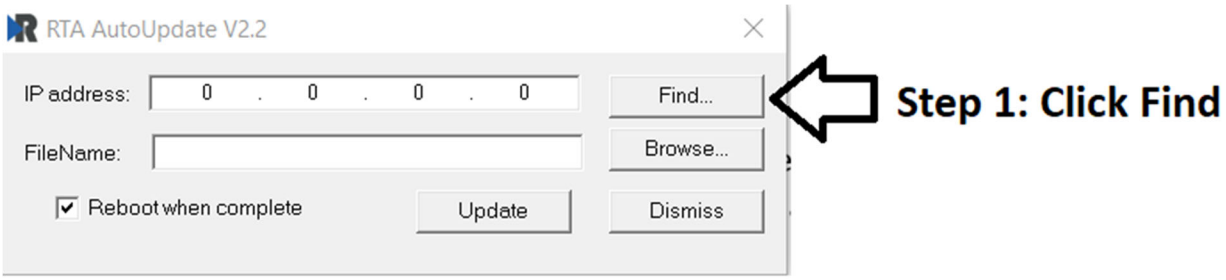


Figure 10. RTA software is displayed and Find, Browse, and Update buttons are shown.

4. Click the Browse button and search for the file named '460_ESA_91_NNA1_APP.s19'

5. Click the Update button. This will update the software and complete the update process.

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