

Revision 0.2



ALPHA ELEVATOR CONTROLLER, INC

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PART I: UPDATING CAR SOFTWARE

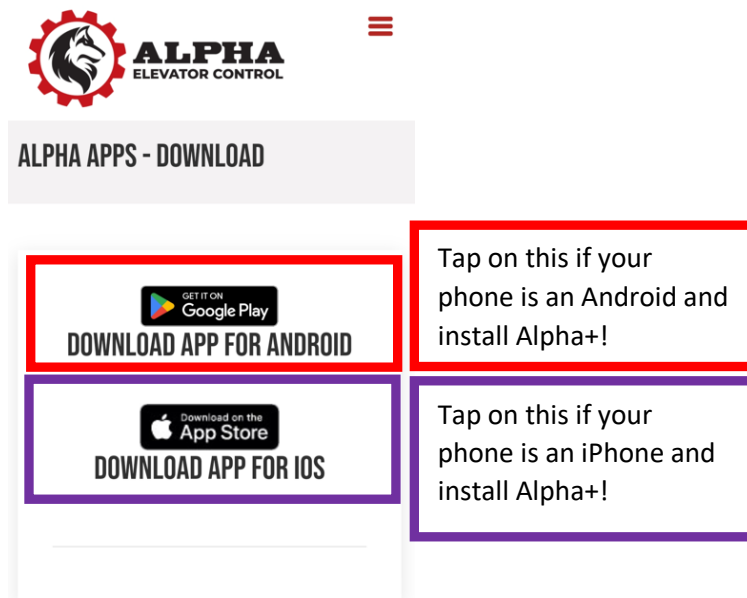
(This guide assumes the user has the latest version of Alpha+ on their phone)

1. ALPHA+ APP DOWNLOAD (two ways):

- a. Open your phone's camera and scan the following QR Code:



- b. You will be taken to the following page:



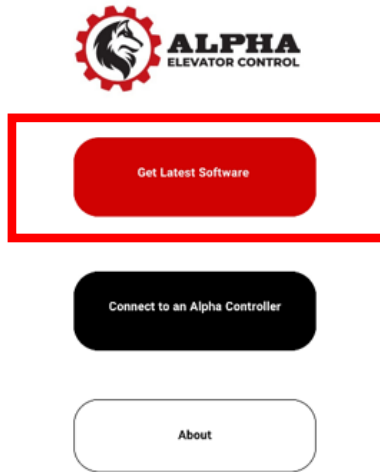
2. AFTER DOWNLOADING THE APP, CLICK ON THE ALPHA PLUS ICON



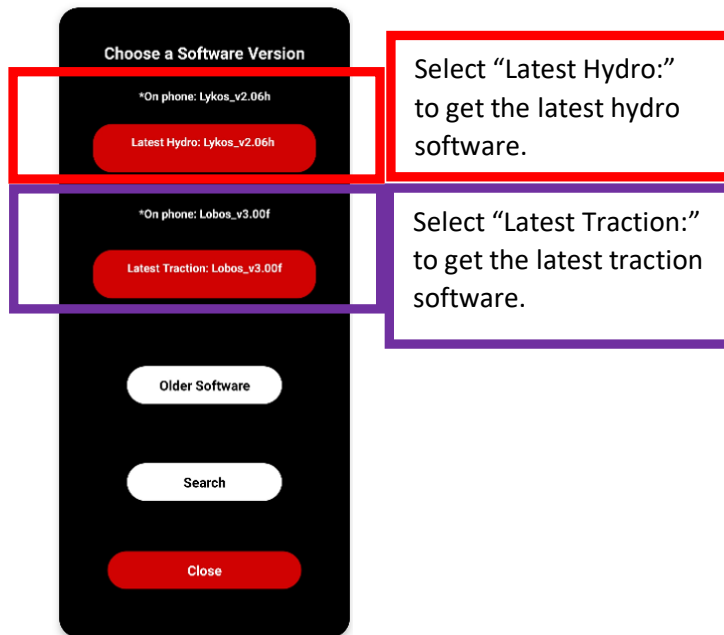
3. **GET THE LATEST SOFTWARE!** (*Follow the steps below*)

Note: The colored boxes are indicators of which buttons you should press.

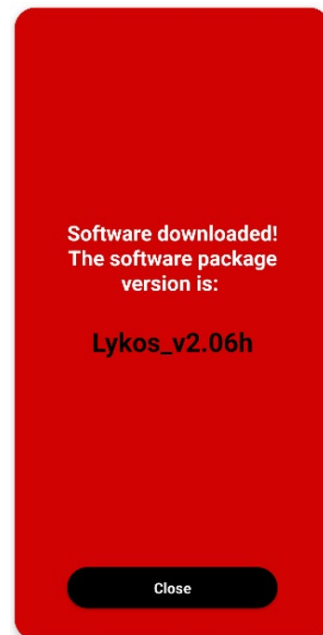
a.



b.

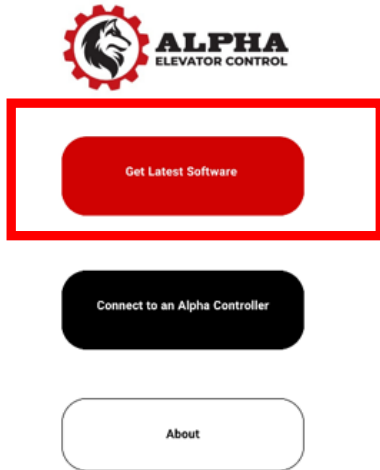


c.



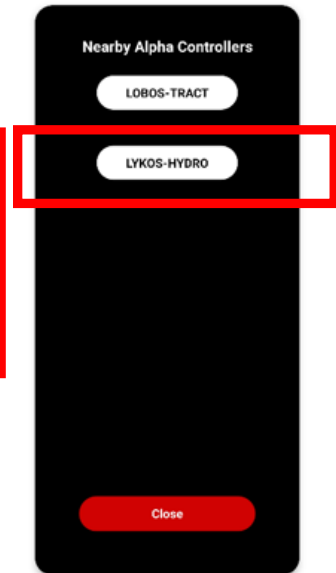
4. **CONNECT TO YOUR ALPHA CONTROLLER!** *(Follow the ordered steps below)*
Note: For phones with Android Version 11 or lower, please go into your settings and turn ON Location and Bluetooth. Location Permission for the Alpha+ app will also need to be enabled if not already.

a.



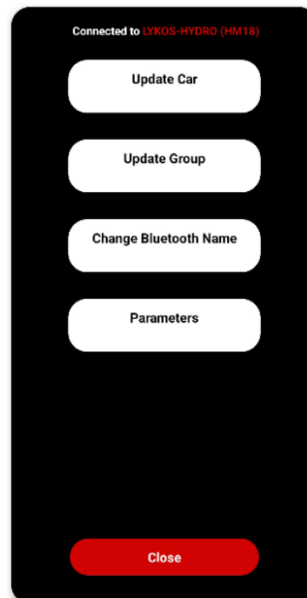
b.

The name of your Alpha controller's Bluetooth will be the job name.



c.

Note: After clicking on your controller, you will arrive at this screen. Continue to the next step.



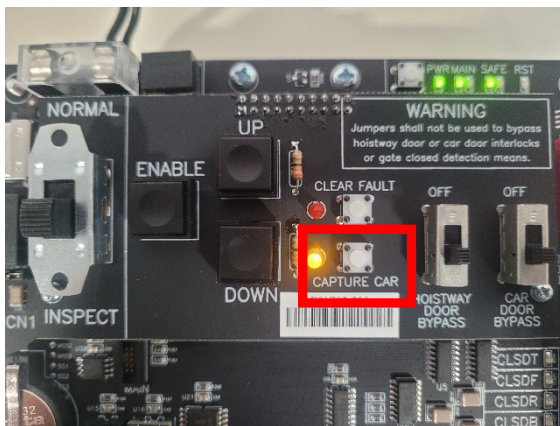
5. PUT YOUR ALPHA CONTROLLER INTO PROGRAM MODE!

- a. Turn on INSPECT (MR) and hold down CAPTURE CAR for 5 seconds.

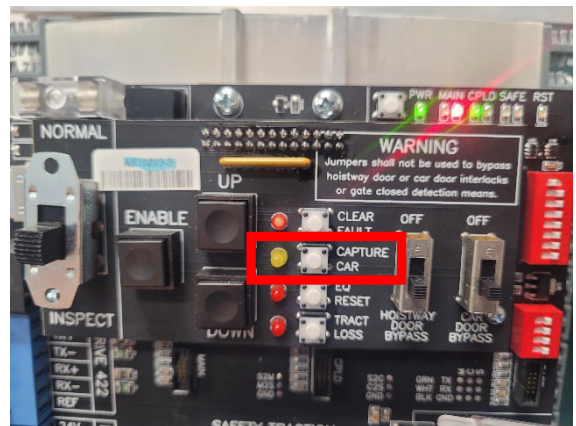
i. Inspect (MR)



ii. For Hydros



iii. For Traction



b. You'll see PROGRAM MODE and get fault F126: PROGRAM MODE

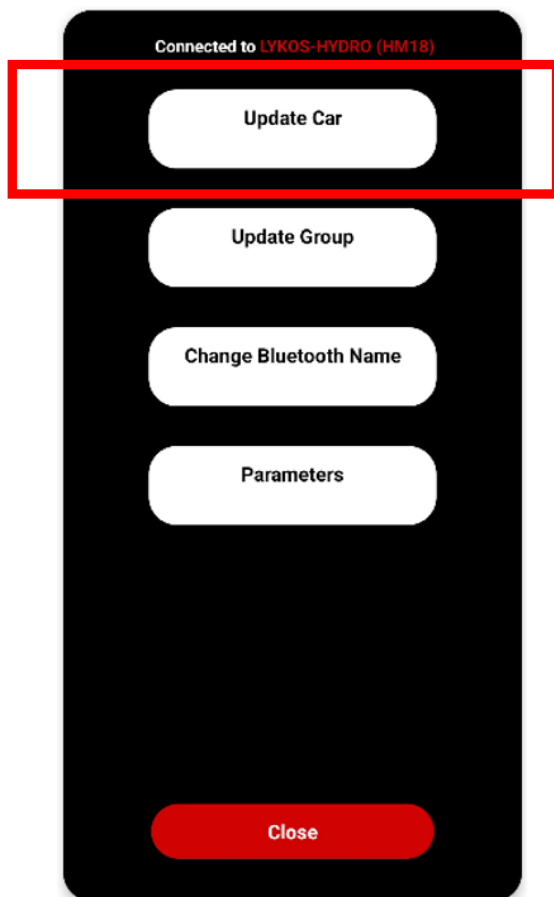
i.



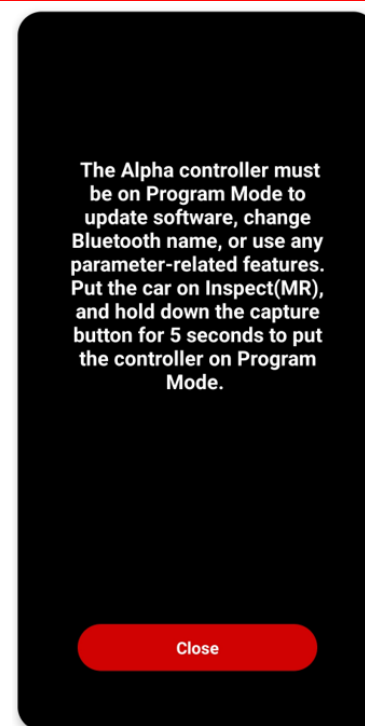
ii.



6. CLICK ON UPDATE CAR!



If the Alpha Controller is not on Program Mode, clicking on Update Car will open a warning advising to put the car on Program Mode.



7. SOFTWARE UPDATE SCREEN EXPLANATION!



The diagram illustrates the Software Update Screen. It features a central black panel with white and red text. At the top, it says "Connected to: LYKOS-HYDRO". Below that, "Software Package: Lykos_v2.06h". The main section is divided into two columns: "(Current) ->" and "(Updating to)". The left column lists processor software versions: MAIN: 2.06e ->, SAFE: 2.06e ->, MR: 2.05m ->, CT: 2.05m ->, and COP: 2.05m ->. The right column shows the target versions: 2.06h, 2.06e, 2.06h, 2.06h, and 2.06h. Red text indicates updates, while white text indicates no change. At the bottom, there are three buttons: "Quick Update" (purple border), "Update All" (blue border), and "Return" (red button).

The left side displays the software version of each processor the Alpha controller currently has.

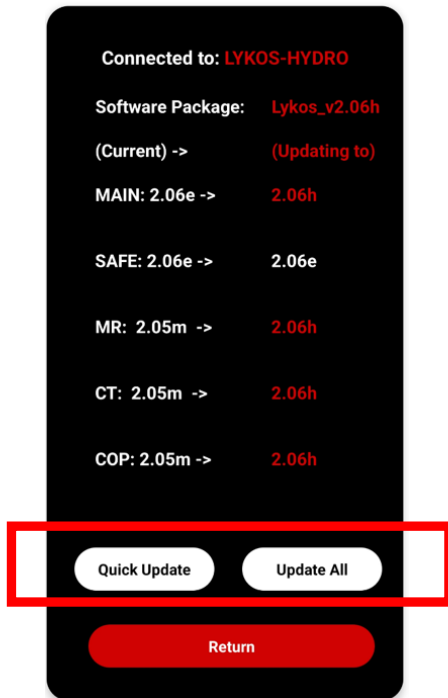
The right side displays the software versions the Alpha controller will be updating to. The red font indicates a processor software difference while the white font indicates the processor software remained the same.

"Quick Update" will update only the processors that have different software versions (the app checks the left side and right side for differences).

"Update All" will update every processor regardless of the differences between the left and right side.

(Current) ->	(Updating to)
MAIN: 2.06e ->	2.06h
SAFE: 2.06e ->	2.06e
MR: 2.05m ->	2.06h
CT: 2.05m ->	2.06h
COP: 2.05m ->	2.06h

8. CLICK EITHER “QUICK UPDATE” or “UPDATE ALL”.



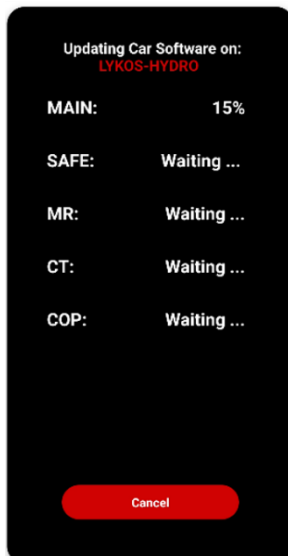
WARNING

When initiating an update, please DO NOT turn off the controller, or disconnect your Bluetooth connection from your phone. Doing so will require you to restart the entire upload process.

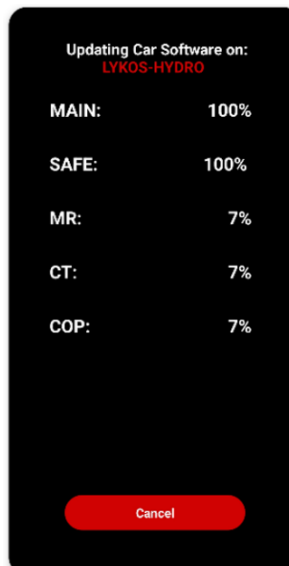
9. A FULL UPDATE TAKES ON AVERAGE 5 MINUTES TO COMPLETE!

Note: All the UI Boards update at the same time.

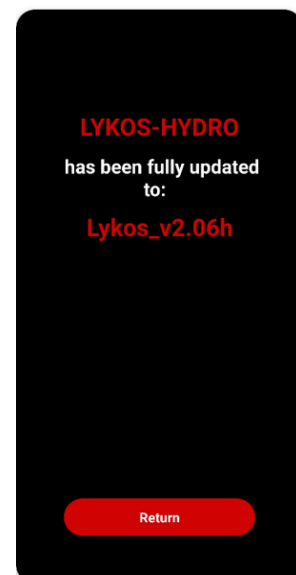
#1



#2

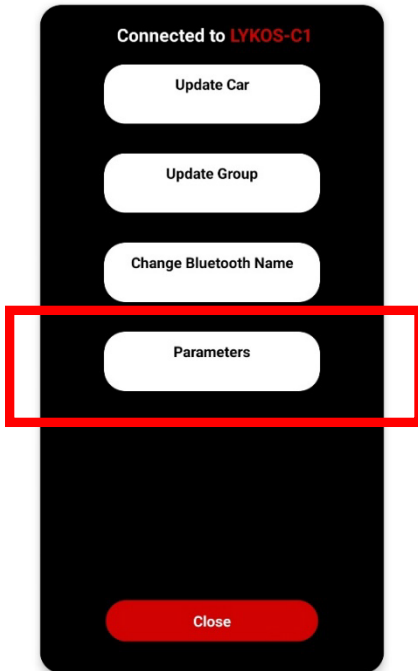


#3

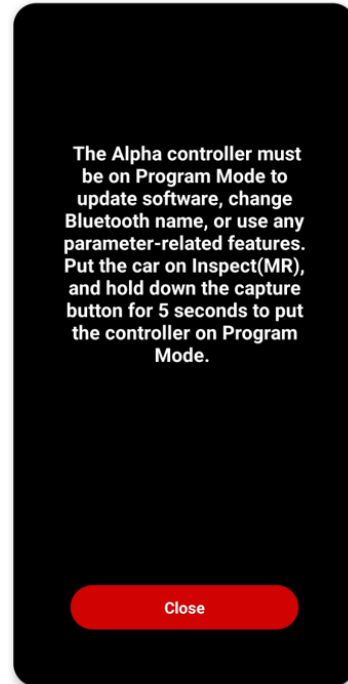


PART II: DOWNLOAD PARAMETERS

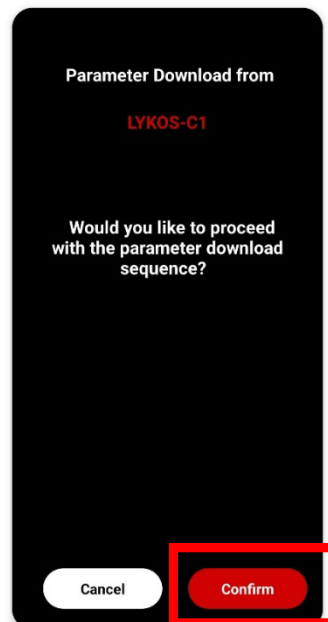
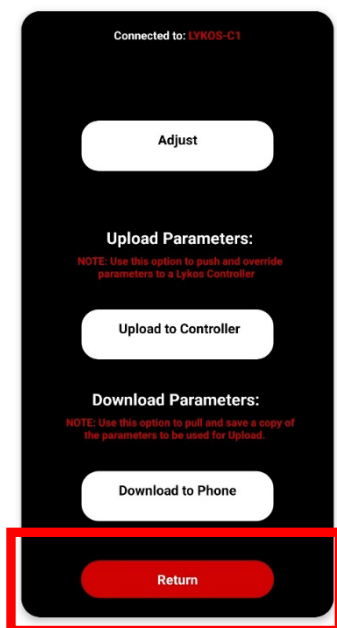
1. Repeat steps #4-5 in PART I: UPDATING CAR SOFTWARE.
2. CLICK ON “PARAMETERS”



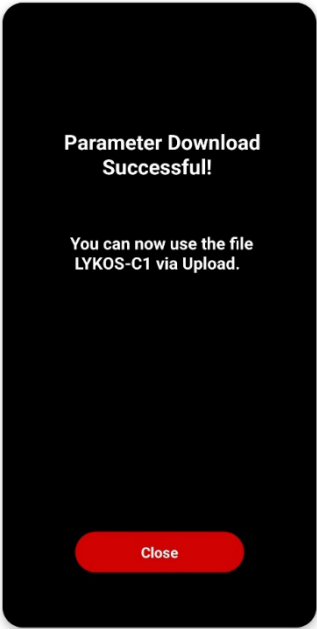
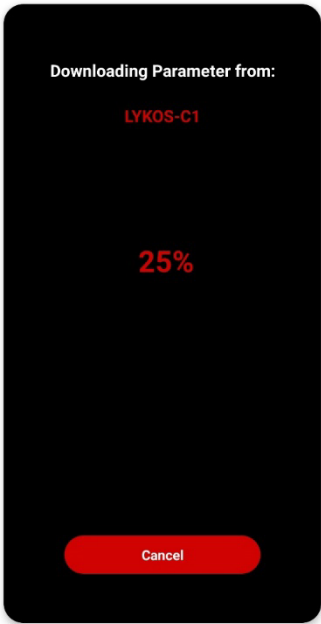
Note: If the Alpha Controller is not on “Program Mode”, clicking on “Parameters” will open a warning advising to put the car on “Program Mode”.



3. CLICK ON “DOWNLOAD TO PHONE”, THEN CLICK “CONFIRM”

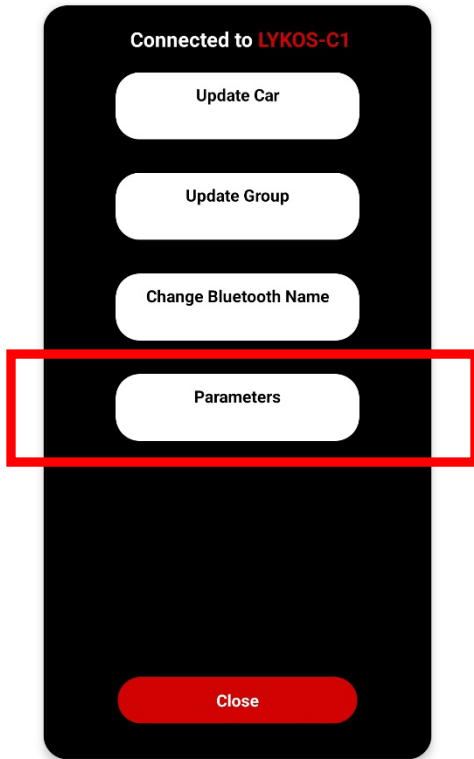


4. DOWNLOADING PARAMETERS PROCESS/COMPLETE.

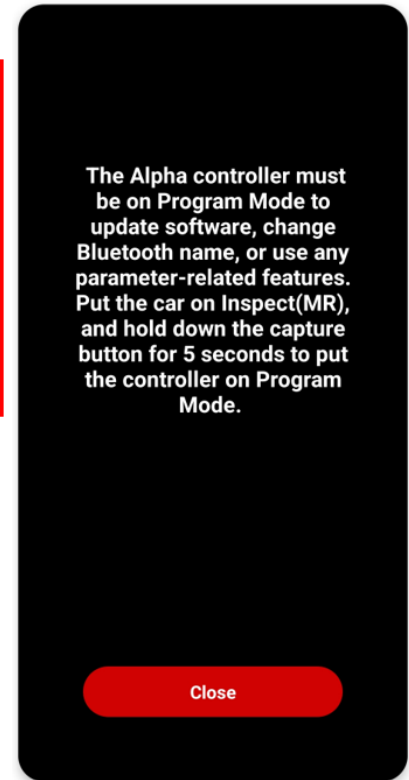


PART III: UPLOAD PARAMETERS

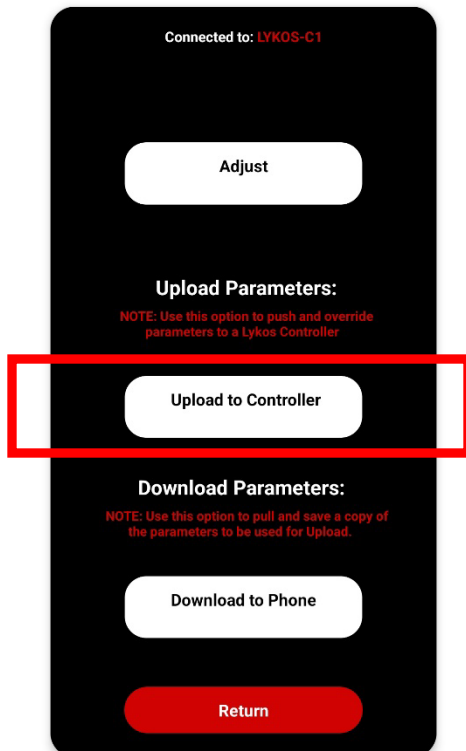
1. Repeat steps #4-5 in PART I: UPDATING CAR SOFTWARE.
2. CLICK ON “PARAMETERS”



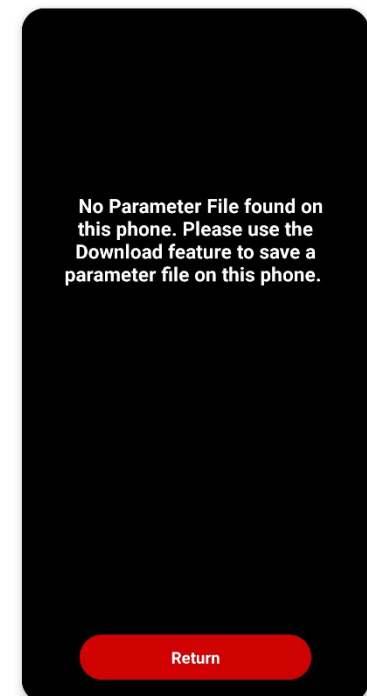
Note: If the Alpha Controller is not on “Program Mode”, clicking on “Parameters” will open a warning advising to put the car on “Program Mode”.



3. CLICK ON “UPLOAD TO CONTROLLER”



Note: If there are no parameter files on your app, a warning will appear advising you to use the “Download to Phone” feature.

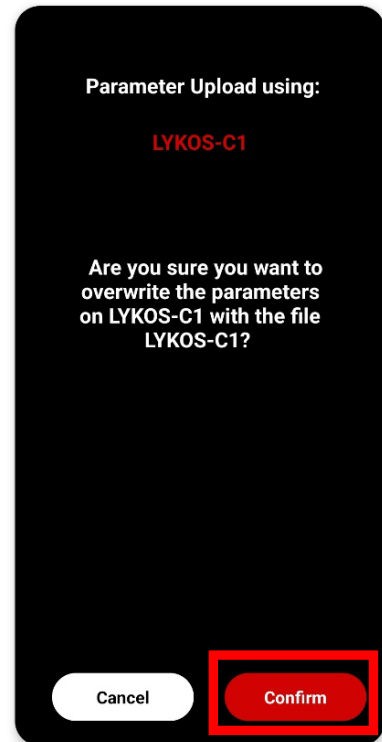


4. SELECT UPLOAD FILE, AND CONFIRM

#1.



#2.



5. UPLOAD PROGRESS, AND COMPLETION

#1.



#2.

