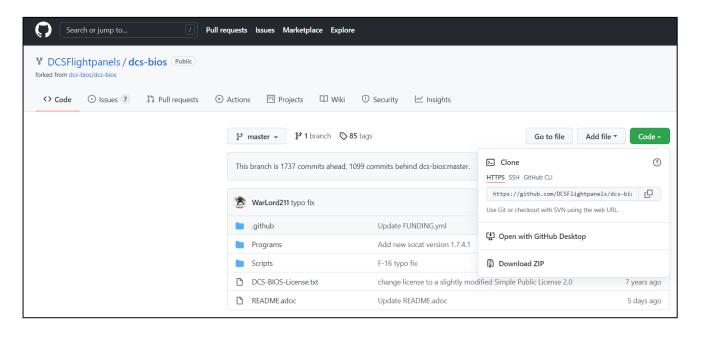
INSTALLING DCS-BIOS 'FLIGHT PANELS' FOR OPEN HORNET

DOWNLOAD or CLONE THE REPOSITORY FROM THE LINK BELOW

https://github.com/DCSFlightpanels/dcs-bios



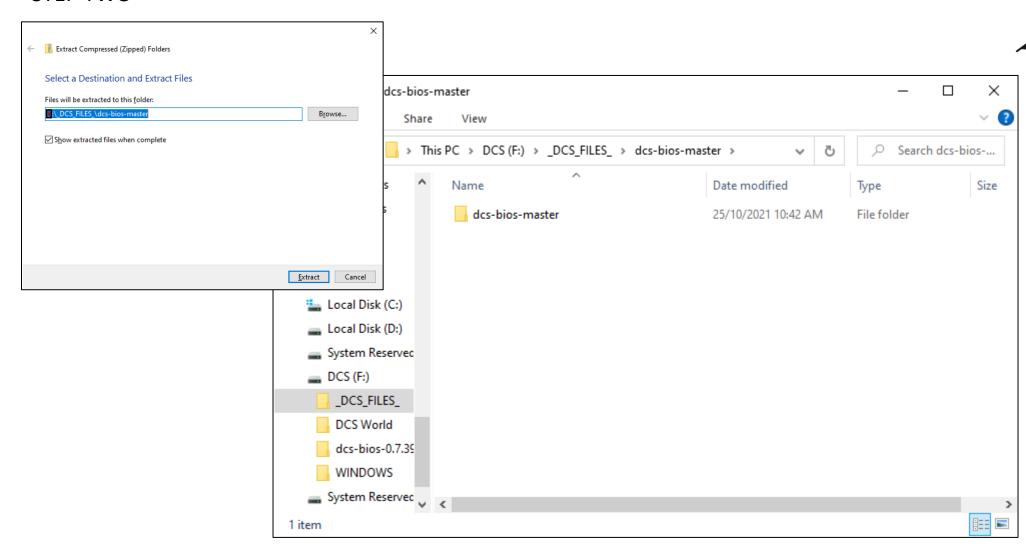
ALSO DOWNLOAD NOTEPAD++ FROM THE BELOW LINK
IF YOU DON'T ALREADY USE IT

https://notepad-plus-plus.org/downloads/





STEP TWO

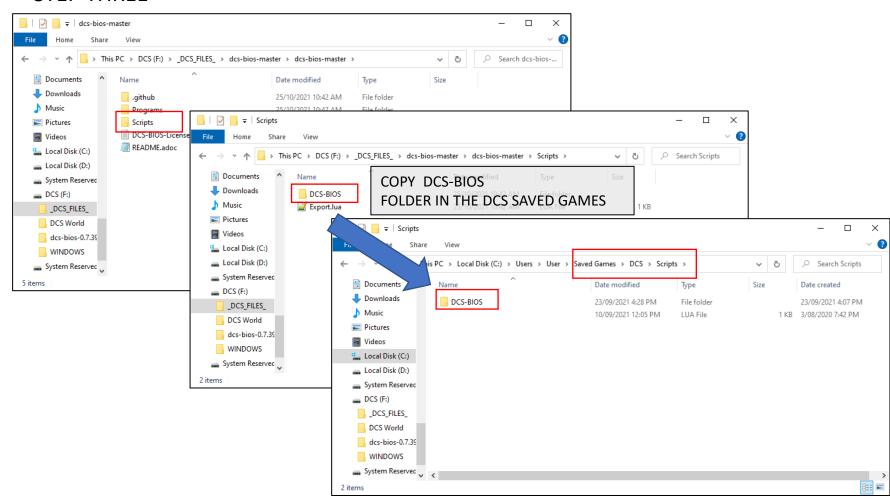


EXTRACT THE "dcs-bios-master" FOLDER TO A TEMPORARY FOLDER OR TO WHERE YOUR DCS GAME DRIVE IS LOCATED, TO CREATE A LOCATION TO EXTRACT THE FLIGHTPANELS FILES FROM



OPEN HORNET

STEP THREE

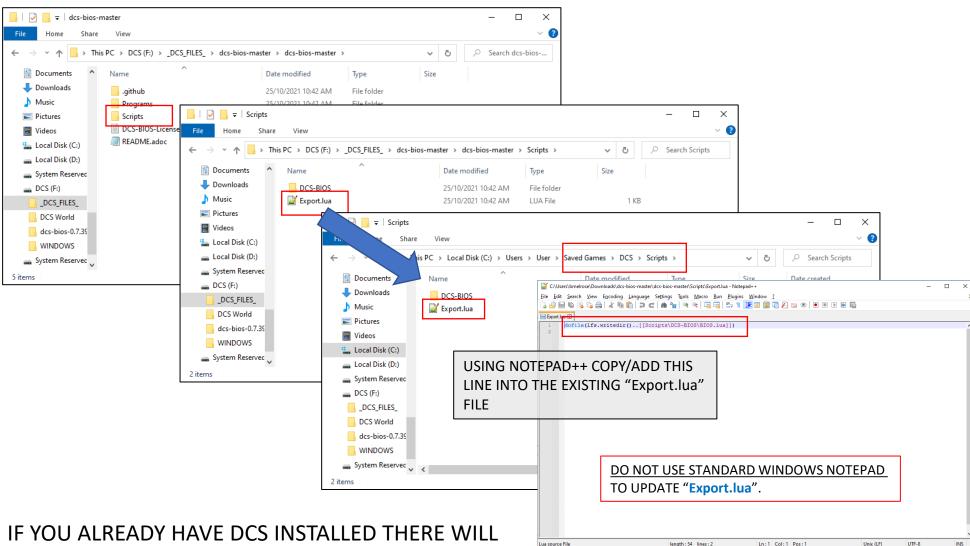


COPY THE "DCS-BIOS" FOLDER FROM THE "dcs-bios-master/Scripts" FOLDER
TO THE "DCS/Scripts" FOLDER ON YOUR MAIN DRIVE WHERE YOUR "Saved Games" ARE
LOCATED. DO NOT COPY THE "Export.lua" FILE AT THIS STAGE, SEE THE NEXT STEP





STEP FOUR



BE AN EXISTING FILE CALLED "Export.lua" IN THE SCRIPTS DIRECTORY

USING NOTEPAD++ COPY THE - dofile(lfs.writedir()..[[Scripts\DCS-BIOS\BIOS.lua]]) - LINE INTO

THE EXISTING "Export.lua" FILE AND RESAVE THE FILE.

DISCLAIMER, THIS INFORMATION WAS CORRECT IN OCT 2021, ANY CHANGES TO DCS-BIOS FLIGHT PANELS THAT OCCUR POST THIS MAY NOT HAVE BEEN CAPTURED, THE USER SHOULD ALSO CHECK FOR REGULAR UPDATES VIA GITHUB TO DCS-BIOS FLIGHT PANELS OR THE ARDUINO LIB FILE





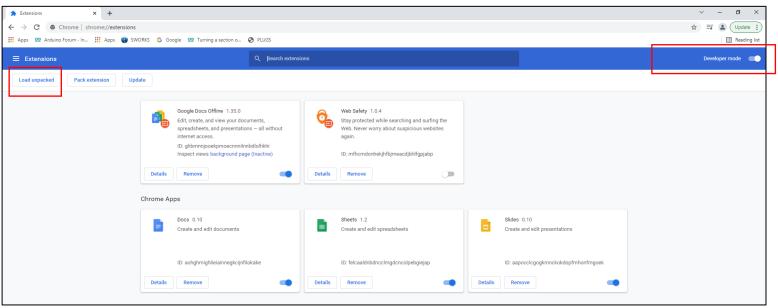
ENSURE YOU HAVE GOOGLE CHROME INSTALLED AND IT IS UPDATED, OPEN CHROME

https://www.google.com.au/intl/en_au/chrome/

IN THE ADDRESS BAR TYPE chrome://extensions/

LOCATE "Developer mode" IN THE TOP RIGHT CORNER AND TURN IT ON

THE "Load unpack" BUTTON WILL BECOME VISIBLE IN THE LEFT CORNER, SELECT THIS







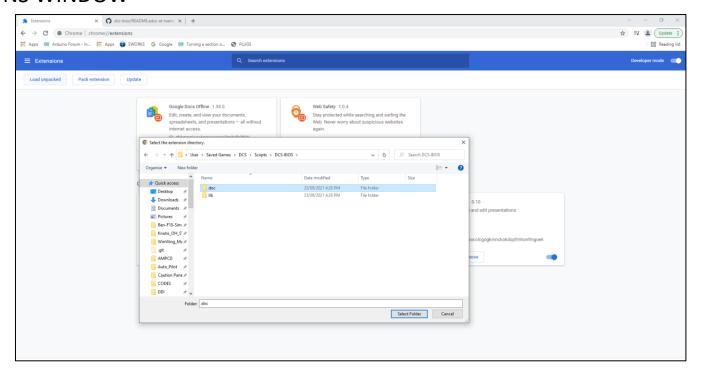
DISCLAIMER, THIS INFORMATION WAS CORRECT IN OCT 2021, ANY CHANGES TO DCS-BIOS FLIGHT PANELS THAT OCCUR POST THIS MAY NOT HAVE BEEN CAPTURED, THE USER SHOULD ALSO CHECK FOR REGULAR UPDATES VIA GITHUB TO DCS-BIOS FLIGHT PANELS OR THE ARDUINO LIB FILE

CHOOSE THE "doc" FOLDER WHERE YOU COPIED THE DCS-BIOS FOLDER TO

"Saved Games\DCS\Scripts\DCS-BIOS\doc"

CLICK "Select Folder" THE PROGRAM WILL UNPACK IN THE BACKGROUND

CLOSE THE EXTENSIONS WINDOW





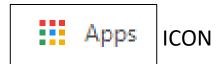


STEP SEVEN

TO CONFIRM DCS-BIOS CONTROL REFERENCES HAS INSTALLED,

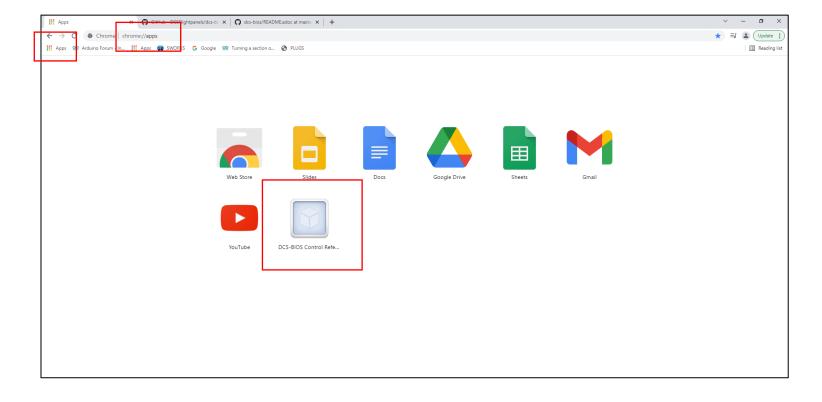
EITHER TYPE chrome://apps/ INTO THE COMMAND LINE

OR CLICK





You will see the DCS-BIOS CONTROL REFERENCES ICON IN THE WINDOW





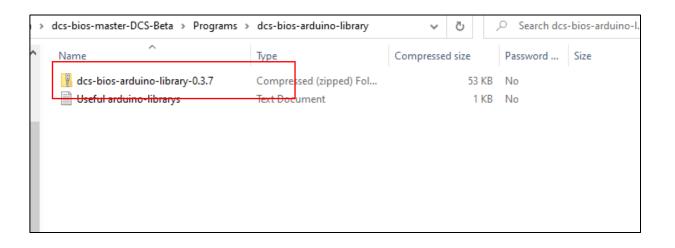
INSTALL THE ARDUINO LIB.

IF YOU HAVE BEEN RUNNING DCS-BIOS HUB VERSION YOU WILL NEED

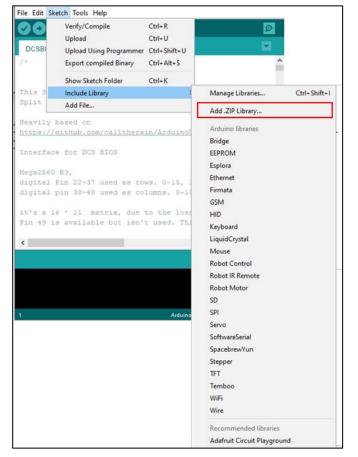
TO DELETE OR OVERRIDE THE EXISTING DCS-BIOS LIBRARY

ADD THE NEW LIBRARY VIA THE ARDUINO APP

FROM THE ZIP FILE IN THE "Programs" FOLDER









STEP NINE

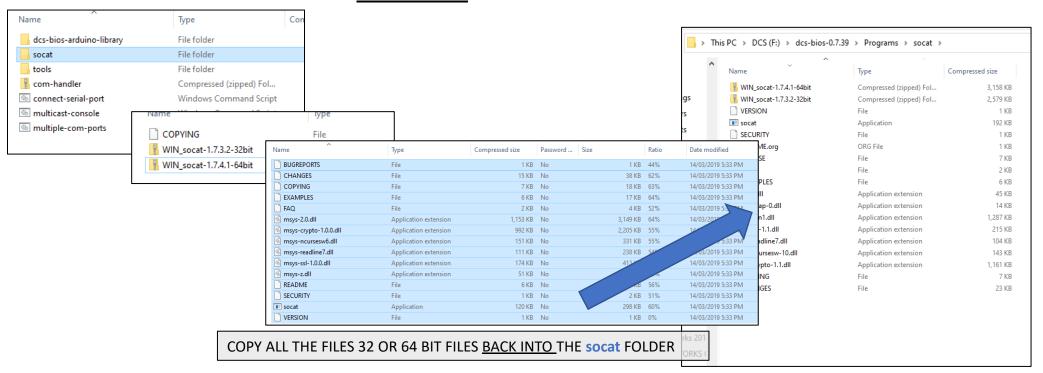
DCS TO ARDUINO INTERFACE

DEPENDING HOW MANY ARDUINO'S YOUR SIMULATOR WILL RUN A SERIAL INTERFACE TO THE COCKPIT VIA ONE OR MORE ARDUINO CONTROLLERS.



THESE CMD FILES NEED TO BE UNZIPPED AND CORRECTLY LOCATED WITHIN THE "socat" FOLDER.

LOCATE THE "socat" FOLDER INSIDE THE "Programs" DIRECTORY, AND UNZIP AND COPY ALL THE FILES 32 BIT OR 64 BIT FILES BACK INTO THE "socat" FOLDER





RUNNING DCS-BIOS (FLIGHT PANELS VERSION)

CONNECTING TO A SINGLE ARDUINO

LOCATE THE "COM PORT NUMBER" FOR THE ARDUINO CONNECTED TO THE PC. THIS CAN BE DONE VIA THE ARDUINO APP OR DEVICE MANAGER.

IN THE "socat" FOLDER RUN "connect-serial-port" ENTER THE <u>COM</u>
PORT NUMBER OF THE ARDUINO THAT YOU WITH TO CONNECT TO

THIS STEP CAN BE COMPLETED BEFORE OR WHILE RUNNING DCS, IT CAN ALSO BE STOPPED AND STARTED WHILE THE GAME IS ACTIVE IF YOU WITH TO MAKE A SKETCH CHANGE.





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RUNNING DCS-BIOS (FLIGHT PANELS VERSION)

CONNECTING TO MULTIPLE ARDUINOS

LOCATE THE "COM PORT NUMBERS" FOR THE ARDUINOS CONNECTED TO THE PC. THIS CAN BE DONE VIA THE ARDUINO APP OR DEVICE MANAGER.

OPEN AND EDIT THE "multi-coms-ports" FILE WITH NOTEPAD++
ENTER ALL THE ARDUINO COM PORT NUMBERS YOU WISH TO
CONNECT TO AFTER "COMPORTS=" WITH A SPACE BETWEEN. SAVE
AND CLOSE NOTEPAD++

IN THE "socat" FOLDER RUN "multi-com-ports" THE PROGRAM WILL CONNECT THE PORTS AUTOMATICALLY, AFTER COUNTING DOWN FROM 5 SECONDS

THIS STEP CAN BE COMPLETED BEFORE OR WHILE RUNNING DCS, IT CAN ALSO BE STOPPED AND STARTED WHILE THE GAME IS ACTIVE IF YOU WITH TO MAKE A SKETCH CHANGE.

DO NOT USE STANDARD WINDOWS NOTEPAD TO UPDATE THE "multi-coms-ports" FILE



```
Select C:\Windows\system32\cmd.exe

Waiting for 5 seconds, press a key to continue ...

Waiting for 5 seconds, press a key to continue ...

Waiting for 4 seconds, press a key to continue ...

Waiting for 5 seconds, press a key to continue ...
```



RUNNING DCS-BIOS (FLIGHT PANELS VERSION)

DCS-BIOS CONTROL REFERENCES

EITHER TYPE chrome://apps/ INTO THE COMMAND LINE

OR CLICK



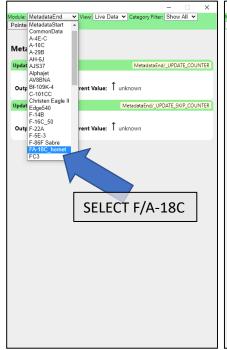
ICON

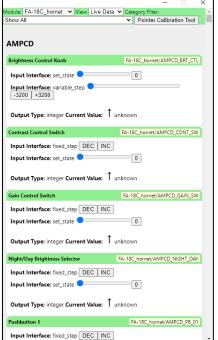
You will see the DCS-BIOS CONTROL REFERENCES ICON IN THE WINDOW

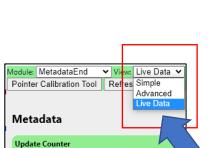
OPEN THE APP



THIS STEP CAN ONLY BE COMPLETED AFTER YOU ARE IN THE DCS COCKPIT, AND MUST BE RESTARTED EACH TIME YOU EXIT THE ACTIVE GAME OR CLOSE DCS. YOU DO NOT NEED THIS APP RUNNING TO OPERATE THE GAME WHEN FLYING, IT IS USED TO GET DRAFT SKETCHES, OR MONITOR OUTPUT VALUES DURING TESTING.







AS REQUIRED SELECT BETWEEN

SIMPLE — SIMPLE ARDUINO CODE REFERENCES

ADVANCED — ADVANCED ARDUINO CODE REFERENCES

LIVE DATA — LIVE INPUT / OUTPUT AND SIMULATOR DATA



OPEN **HORNET**