



XGPS190 v.2.4.1 Update Guideline for PC and Mac

If you have any questions about XGPS190, please contact us at xgps170@dualav.com.

A. You will need:

- XGPS190
- USB a – USB b cable (USB-to-mini-USB cable)
- Computer running either Windows OS (XP and later) or Mac iOS with an available USB port
- ADS-B Status Tool

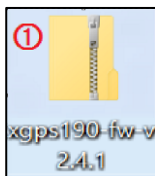


B. Update Instructions (9 Steps in Total)

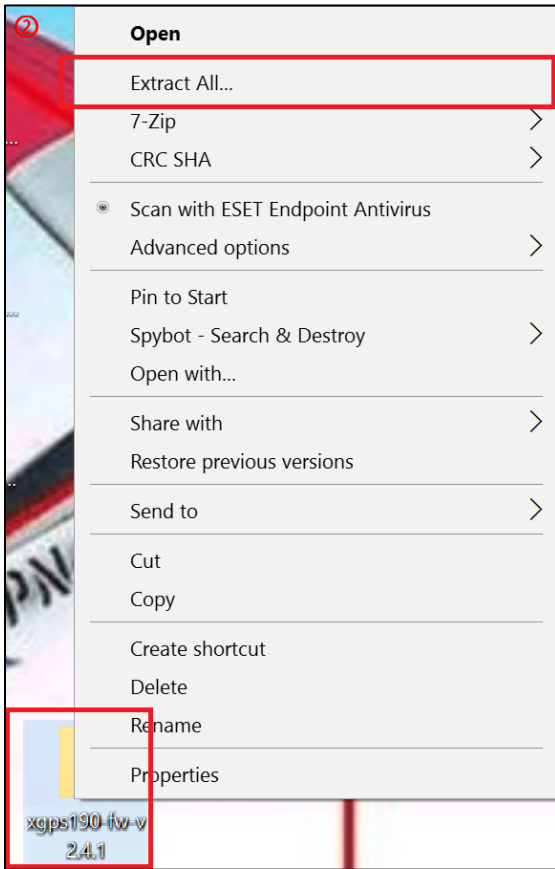
1. Download the firmware, v.2.4.1, to your computer from <http://gps.dualav.com/explore-by-lifestyle/aviation/xgps190/> (Please see the picture right below)



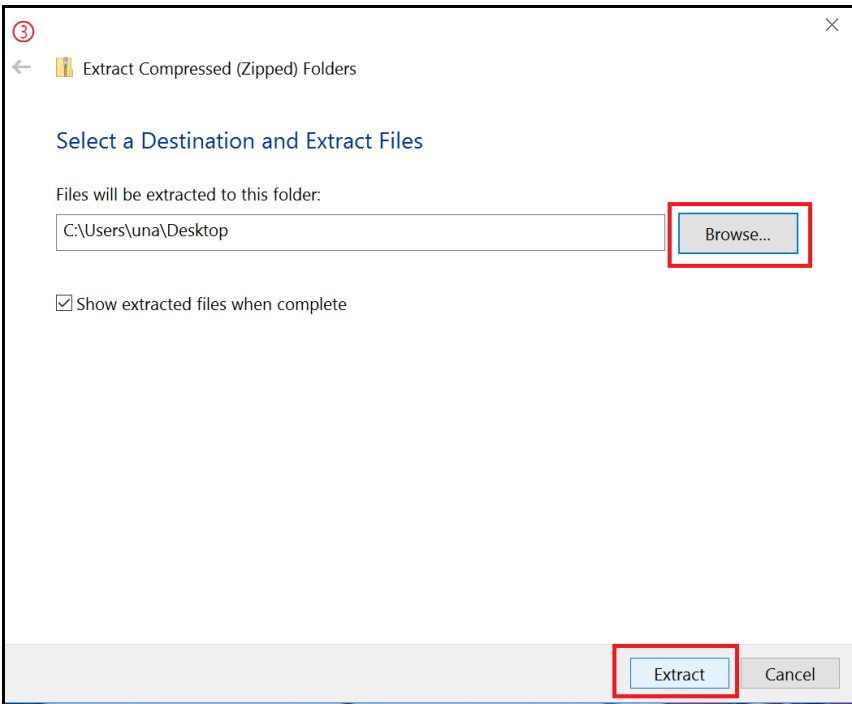
2. Unzip the downloaded firmware. Please follow the four sub-steps provided below.



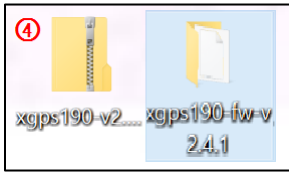
① Find the downloaded zip file on your computer.



② Click the right button on your mouse/trackpad and choose Extract All.

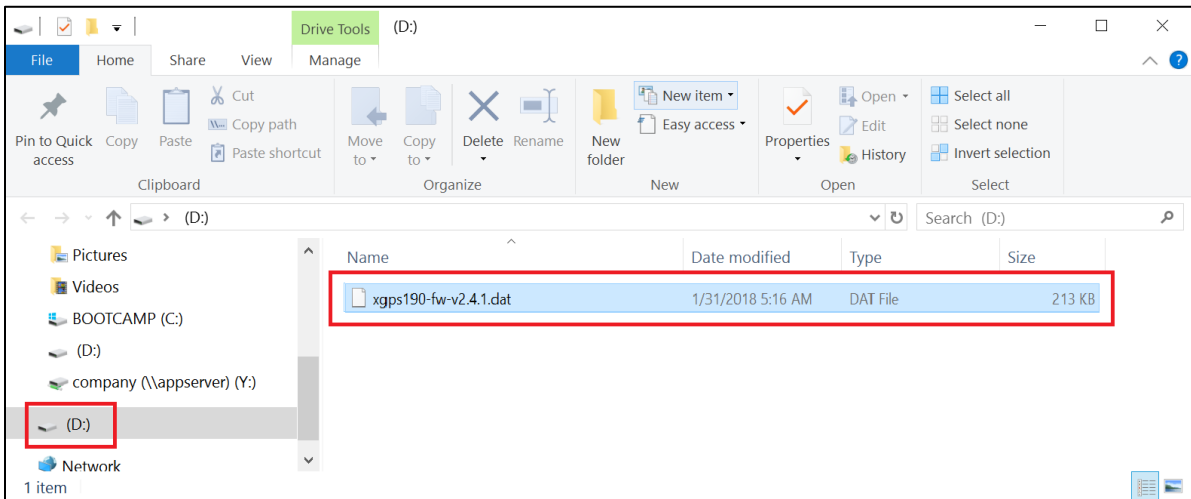


③ Go to Browse and choose a place on your computer to extract the zip file. Then, click Extract.

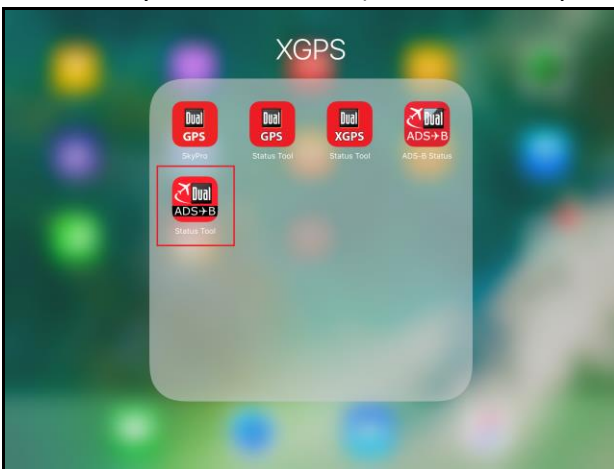


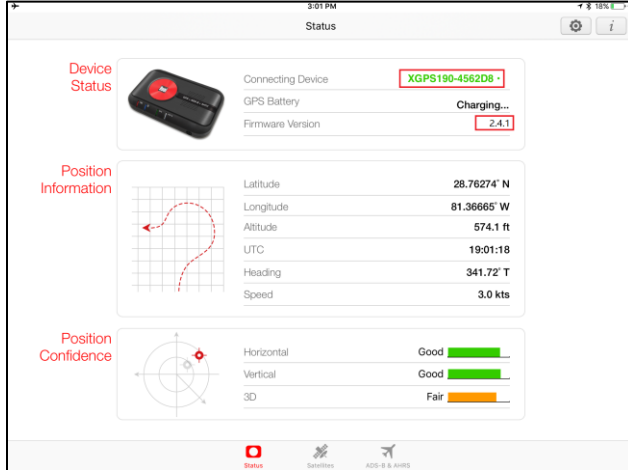
④ The extracted file (firmware) should be located in the place of your choice.

3. Place the power switch on your XGPS190 to either the GPS or ADS-B position.
4. Connect the XGPS190 to USB drive (which has various names such as D:, E:, I: drives) using the USB a–USB b charging cable that was supplied with your XGPS190.
5. Make sure the XGPS190 is detected as a USB drive on your computer.
6. Delete any files that exist inside the USB drive. If you don't see any files, please proceed to Step 7.
7. Copy and paste the extracted firmware, v.2.4.1, from your computer onto the USB drive. *(Please see the picture right below)*



8. Disconnect, power-off and then power-on the XGPS190 device.
9. Click on the Status tab from the ADS-B Status Tool app to check if the new firmware has successfully been installed. *(Please see the pictures right below)*





Note 1: Please go to the Status Tool App to reset the calibration if there has been significant inaccuracy with the ARHS feature during flight. Once you are in the Status Tool App, you will see two icons (buttons) at the top right corner. Click on the one on the left and follow the instruction to complete the calibration. Enjoy your flight.

Note 2: This firmware is compatible with XGPS190 only. Please do not use this for XGPS170/170D.