

# Seagull #SYNC2

User Manual



Product: Seagull #SYNC2  
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# GENERAL INFORMATION

**\*\*\* Please read this manual thoroughly before connecting and configuring Seagull #SYNC2 \*\*\***

Seagull #SYNC2 is a universal camera hot shoe adapter which is designed for trigger event feedback to the Flight Controllers and other logging products.

#SYNC2 is a perfect solution to improve overall precision and workflow within mapping industry. By using #SYNC2 will lead to more accurate coordinates of triggered photos for georeferencing, as well as one-to-one ratio between photos and coordinates.

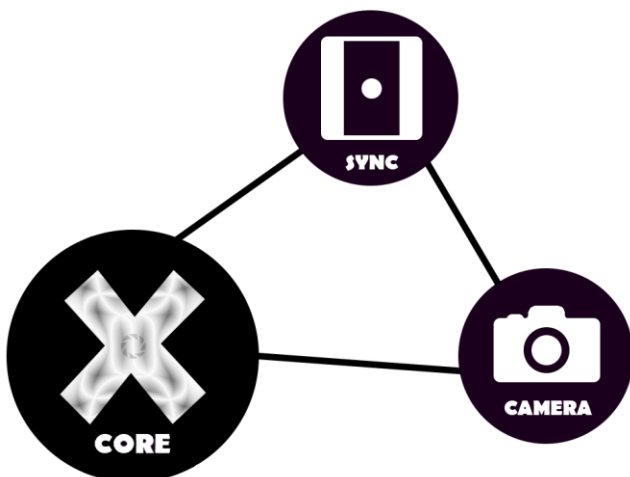
#SYNC2 will work with Flight Controllers which have event logging features such as the ones based on Ardupilot firmware. (Pixhawk / Pixracer / APM)

On top of the above mentioned compatibility use #SYNC2 in conjunction with Seagull #MAP-X2, #MAP2, #REC for triggering your camera!

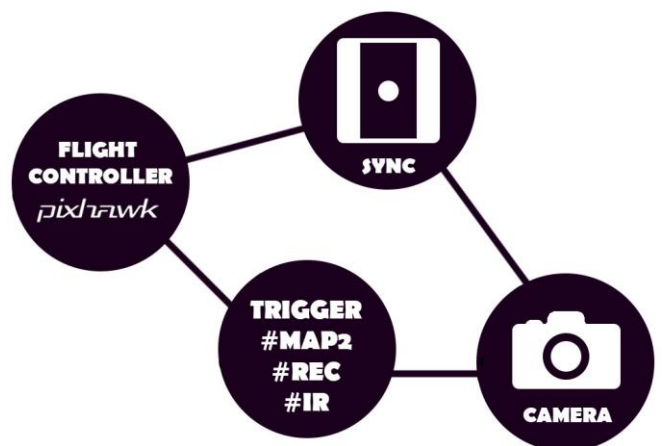
## #SYNC2 features:

- **Improved precision and workflow!**
- **Instant feedback of cameras shutter to your logging system.**
- **Easy to interface with Ardupilot based Flight Controllers.**
- **Able to integrate with high precision camera trigger #MAP-X2!**
- **Use in conjunction with #MAP2 / #REC / #IR / #MAP-X2**

*#SYNC2 in use with #MAP-X2*



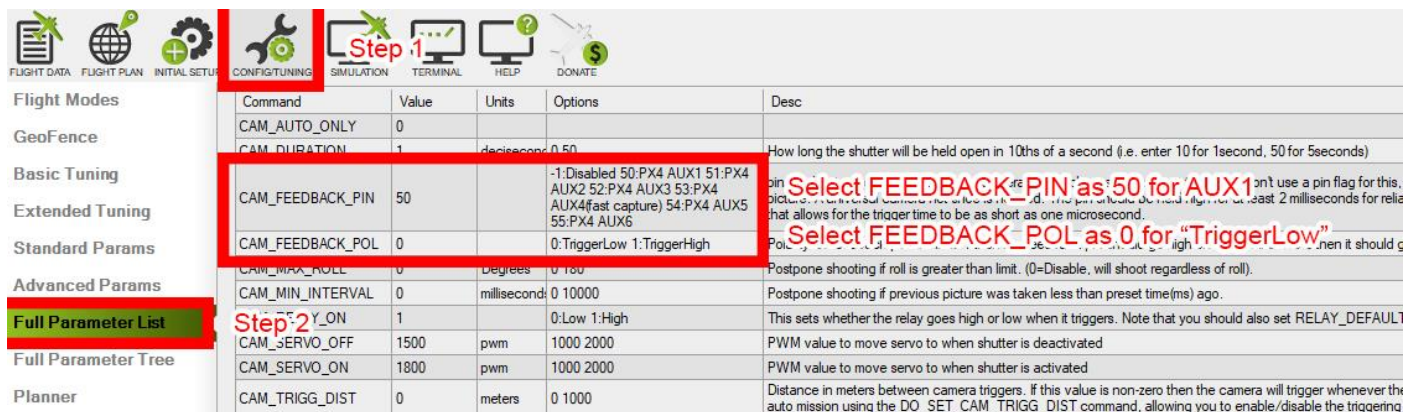
*#SYNC2 in use with Flight controller*



# FLIGHT CONTROLLER INTEGRATION

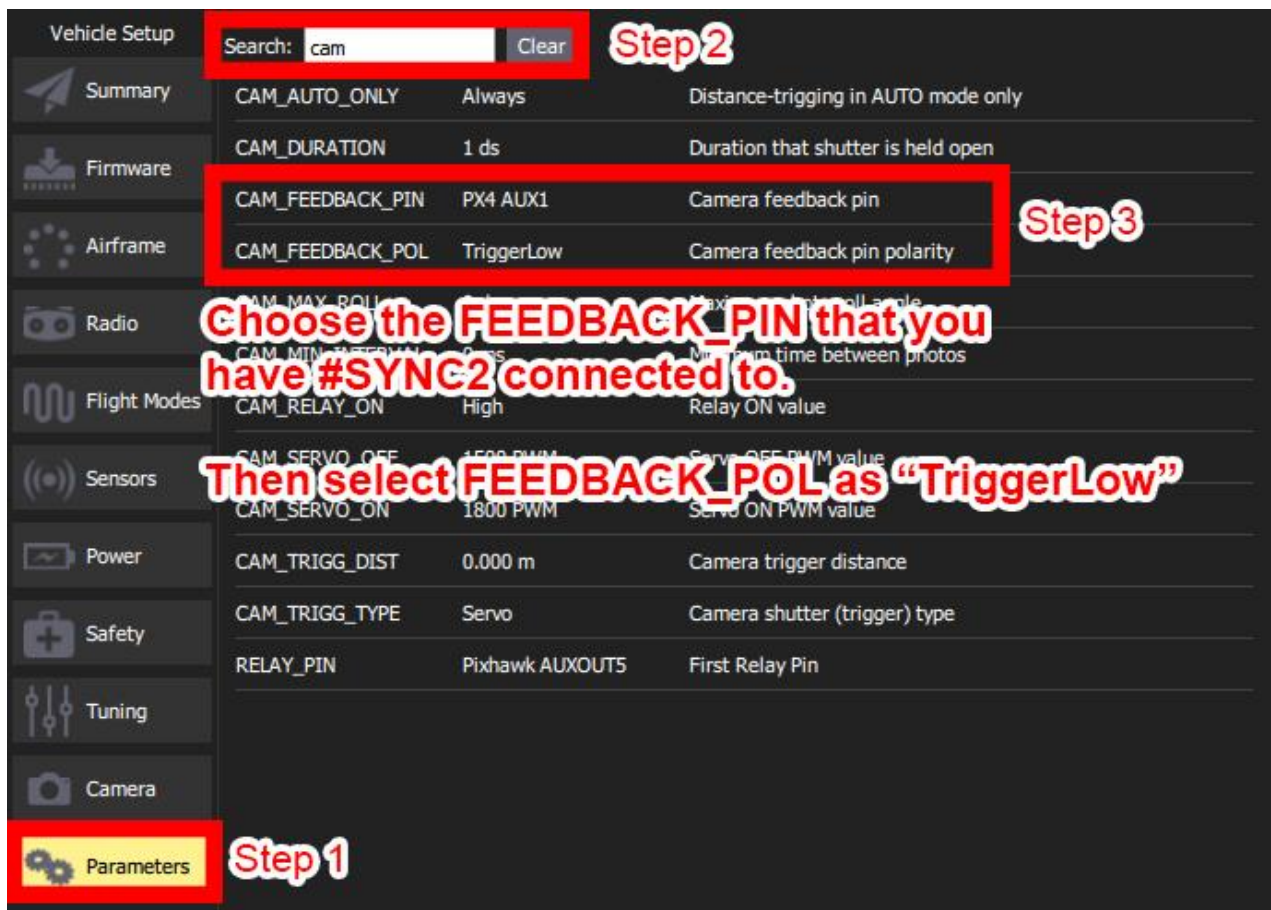
## MISSION PLANNER

Implementing #SYNC2 via on an ArduPilot based Flight Controller could not be easier, simply follow the below steps as shown in the image and you are ready to go!



## QGroundControl

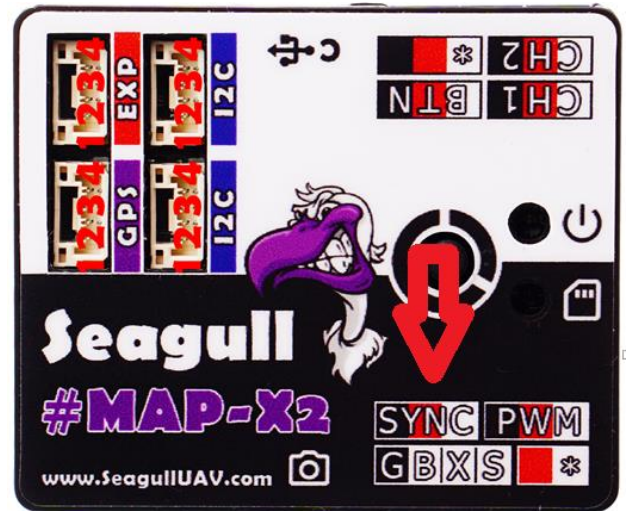
To integrate #SYNC2 with a platform that runs Ardupilot firmware stack on the Flight Controller, simply follow the steps below as shown in the image!



## #MAP-X2 INTEGRATION

Connecting #SYNC2 to #MAP-X2 could not be easier, simply follow the color coding of the cable and plug it into the #MAP-X2 SYNC port, and you are ready for precision logging!

**NOTE:** Be sure to setup the #MAP-X2 CONFIG.txt file for utilizing hotshoe feedback in order to enable the #SYNC2 integration.



## TROUBLESHOOTING

In a case that there is no hotshoe logging, please make sure the settings were adjusted accordingly for your platforms and are enabled. If the logging is still not happening inspect the servo cable for the connectivity and the polarity that it is connected to either of the devices.

## TECHNICAL SPECIFICATIONS

- Voltage: 3.3 – 5V (range depends on your device's logic level – 5 volts recommended)
- Dimensions: 18.5mm x 18.5mm x 8.5mm
- Weight: 4 gram (without cable)