

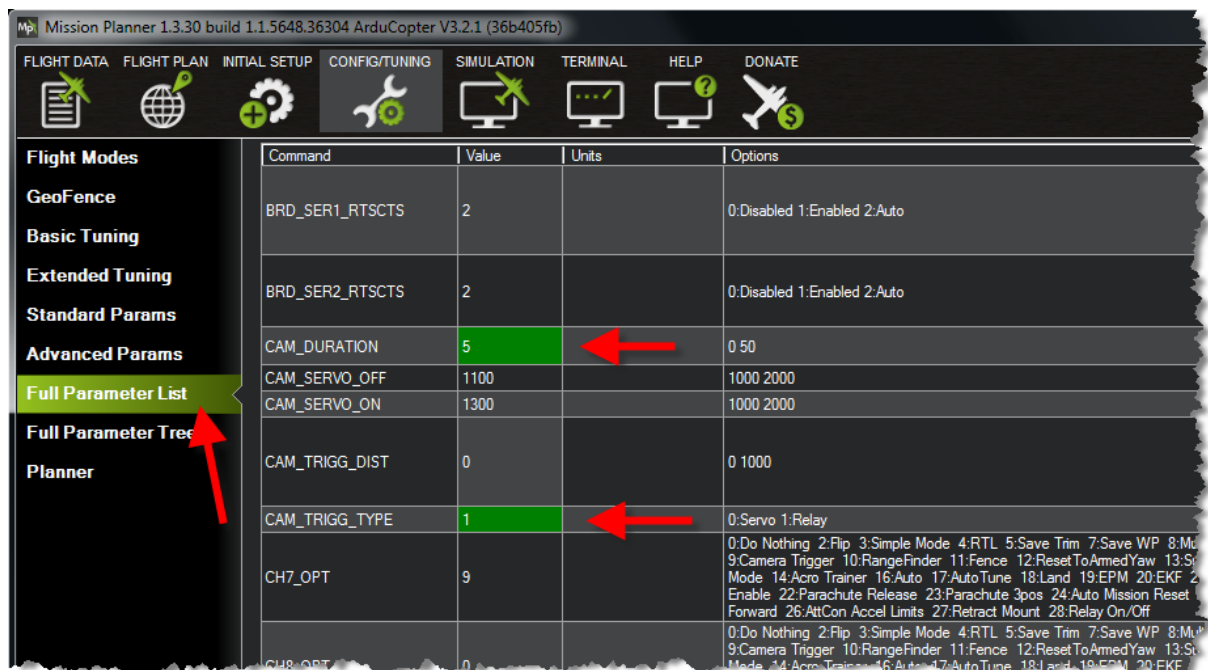
Pixhawk settings for Simple multi shutter for Pixhawk

The Simple multi shutter for Pixhawk and Simple multi shutter for Pixhawk version 2 work if Pixhawk output is configured to »RELAY« output type. You can configure the output and some additional settings via Mission Planner like written below.

Under »Full Parameter List« change the values :

CAM_DURATION : 5 (to configure the duration of time that output is active – 5 = 0.5 seconds)

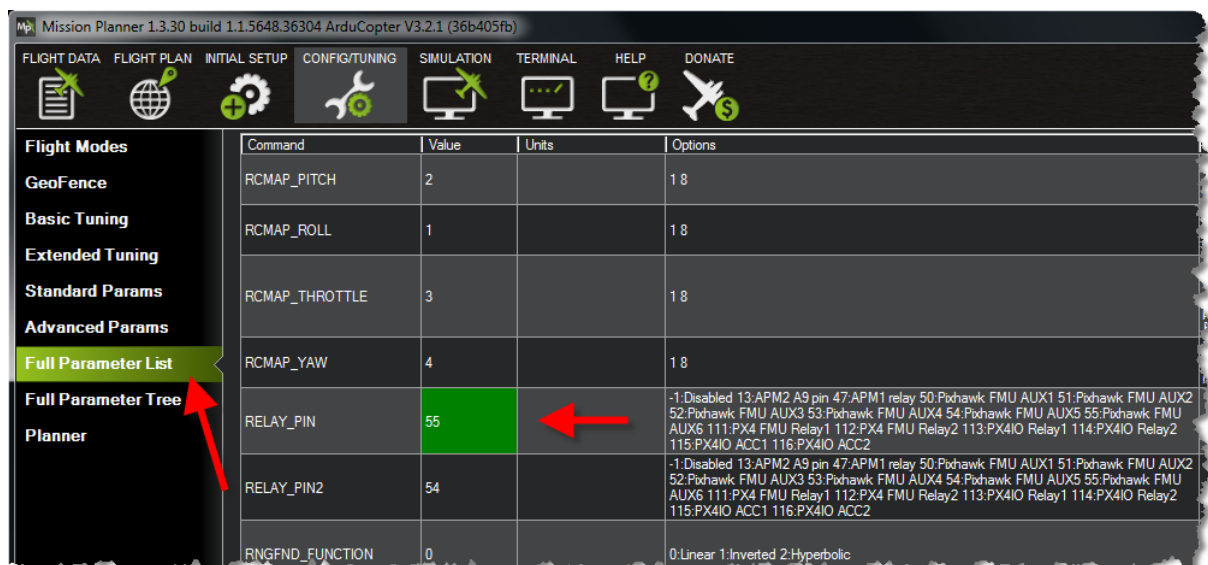
CAM_TRIGG_TYPE : 1 (to set the output type to RELAY)



The screenshot shows the Mission Planner interface with the 'Full Parameter List' tab selected. The table below displays the parameters CAM_DURATION and CAM_TRIGG_TYPE, with red arrows pointing to their values.

| Command | Value | Units | Options |
|------------------|-------|-------|--|
| BRD_SERV1_RTSCTS | 2 | | 0:Disabled 1:Enabled 2:Auto |
| BRD_SERV2_RTSCTS | 2 | | 0:Disabled 1:Enabled 2:Auto |
| CAM_DURATION | 5 | | 0 50 |
| CAM_SERVO_OFF | 1100 | | 1000 2000 |
| CAM_SERVO_ON | 1300 | | 1000 2000 |
| CAM_TRIGG_DIST | 0 | | 0 1000 |
| CAM_TRIGG_TYPE | 1 | | 0:Servo 1:Relay |
| CH7_OPT | 9 | | 0:Do Nothing 2:Flip 3:Simple Mode 4:RTL 5:Save Trim 7:Save WP 8:Mu 9:Camera Trigger 10:RangeFinder 11:Fence 12:ResetToArmedYaw 13:St Mode 14:Acro Trainer 16:Auto 17:AutoTune 18:Land 19:EPM 20:EKF 21:Enable 22:Parachute Release 23:Parachute 3pos 24:Auto Mission Reset Forward 26:AttCon Accel Limits 27:Retract Mount 28:Relay On/Off |
| CH8_OPT | 0 | | 0:Do Nothing 2:Flip 3:Simple Mode 4:RTL 5:Save Trim 7:Save WP 8:Mu 9:Camera Trigger 10:RangeFinder 11:Fence 12:ResetToArmedYaw 13:St Mode 14:Acro Trainer 16:Auto 17:AutoTune 18:Land 19:EPM 20:EKF |

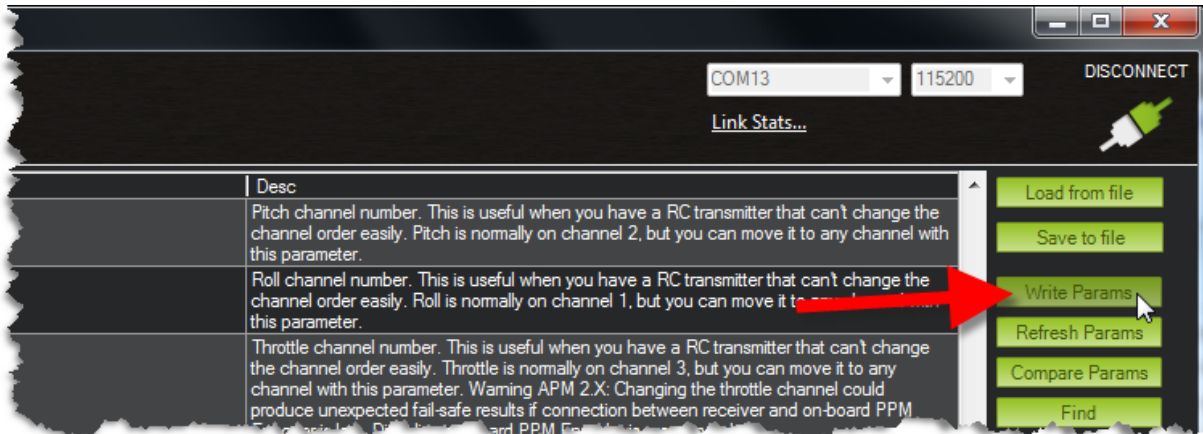
RELAY_PIN : 55 (to use AUX OUT pin 6 for Simple multi shutter)



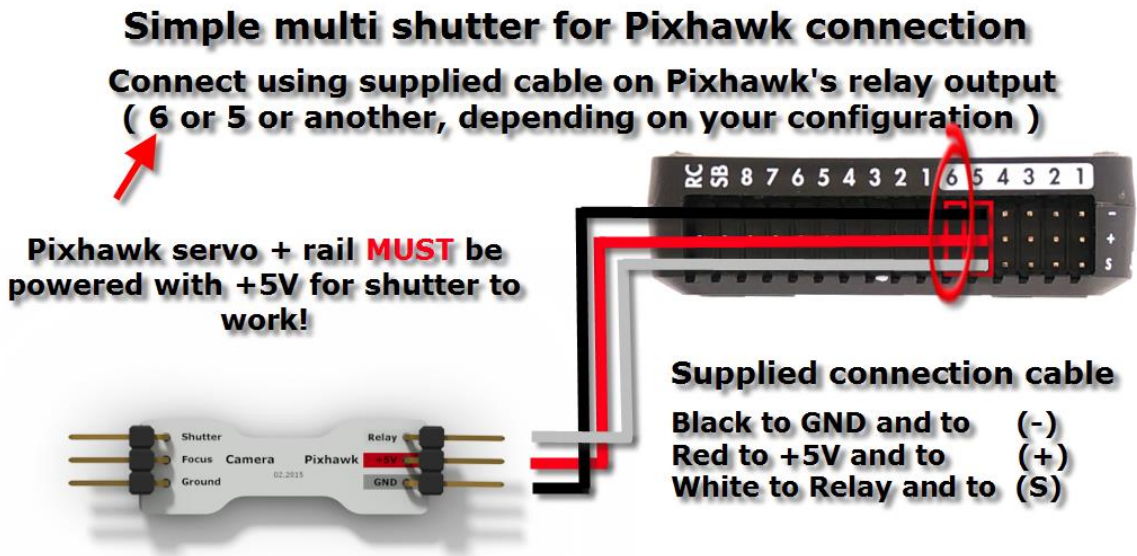
The screenshot shows the Mission Planner interface with the 'Full Parameter List' tab selected. The table below displays the parameter RELAY_PIN, with a red arrow pointing to its value.

| Command | Value | Units | Options |
|-----------------|-------|-------|--|
| RCMAP_PITCH | 2 | | 1 8 |
| RCMAP_ROLL | 1 | | 1 8 |
| RCMAP_THROTTLE | 3 | | 1 8 |
| RCMAP_YAW | 4 | | 1 8 |
| RELAY_PIN | 55 | | -1:Disabled 13:APM2 A9 pin 47:APM1 relay 50:Pixhawk FMU AUX1 51:Pixhawk FMU AUX2 52:Pixhawk FMU AUX3 53:Pixhawk FMU AUX4 54:Pixhawk FMU AUX5 55:Pixhawk FMU AUX6 111:PX4 FMU Relay1 112:PX4 FMU Relay2 113:PX4IO Relay1 114:PX4IO Relay2 115:PX4IO ACC1 116:PX4IO ACC2 |
| RELAY_PIN2 | 54 | | -1:Disabled 13:APM2 A9 pin 47:APM1 relay 50:Pixhawk FMU AUX1 51:Pixhawk FMU AUX2 52:Pixhawk FMU AUX3 53:Pixhawk FMU AUX4 54:Pixhawk FMU AUX5 55:Pixhawk FMU AUX6 111:PX4 FMU Relay1 112:PX4 FMU Relay2 113:PX4IO Relay1 114:PX4IO Relay2 115:PX4IO ACC1 116:PX4IO ACC2 |
| RNGFND_FUNCTION | 0 | | 0:Linear 1:Inverted 2:Hyperbolic |

Apply the changes by selecting »Write Params« button on the right side of the Mission Planner application.



Connect the Simple multi shutter for Pixhawk as shown on picture in the multi shutter package or in case you configured it like written in the first page of the document, to AUX PIN 6 :



If any questions, contact us on support@mobileXcopter.com

You **MUST** provide 5V power to servo rail for Simple multi shutter to work!

If you should have any problems configuring the device, contact us on support@mobileXcopter.com