

Eggtimer Quasar Release Notes

Version 1.02d (Mar. 2023)

Bug Fixes

Frequency/ID Display Issue

On the North American version of the Quasar firmware (909-925 MHz, ID 0-7) there were two pages that displayed the frequency/ID incorrectly. This was due to a bug introduced in 1.02b. The actual frequency/ID as programmed was correct; it was just a display issue. Those two pages have been corrected.

Changes

Removal of Low-Velocity Check Event

The low-velocity check event was a legacy remnant of the original Eggtimer Quantum code from which the Quasar's code is derived, and was never actually "the" precursor to apogee/nose-over detection. Since it's basically not a useful event marker, we have removed it from both the Summary and the Detail (.CSV) display functions.

Continuity Display Changes

Since PWM servos are output-only and there is no way to check if one is connected or not, accordingly when an output channel is set to Servo mode the continuity status is no longer displayed. Instead, you will see SERVO in reverse-gray on the Status Page, to let you know that the channel was set to servo mode and its status does not affect the ability to arm for flight.

On output channels that are turned OFF, the continuity status is no longer displayed, since it is irrelevant to arming.

Flight Status Display Change

If a flight was never completed (i.e. the Quasar never detected landing, or the flight recording was interrupted during flight such as might happen if the battery became disconnected in flight) the Flight Summary page will now show the Flight Status in reverse-red to indicate that the flight was not completed.

Version 1.02b (Feb 2023)

Bug Fixes

AUX Channel Not Firing in Main Mode

The AUX Channel, when set to Main Mode, was not always firing. The underlying issue has been fixed.

AUX Time-to-Firing Not Calculated in Drogue/Main Modes

The AUX Time-to-Fire was displaying as 0.00 when the AUX channel was set to Drogue or Main mode. The issue has been fixed.

Main Altitude Settings Not Being Saved

Main altitude settings over 2000' were not being saved properly, therefore they were being recalculated as 500' (the default value). This has been fixed.

Enhancements

Region Version Now Displayed in Serial Info at Boot-Up

The Region for the data transmission is now displayed in the diagnostics information that streams over the serial port at boot-up.

Version 1.02a (Initial Release- Nov. 2022)