



# Known bug report for QubeCL and QubeDL

ppqSense App.Note no. 3

**ppqSense s.r.l**

ppqSense Development Team

Revision 1.0 , 2025.06.06



In this document, the known bug affecting the QubeCL and QubeDL drivers are reported, along with a small description and the firmware and/or control software releases affected by each bug.

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## 1 Current spikes to maximum value when very low set-points are used

**SEVERITY:** HIGH

**TYPE:** FIRMWARE (version V16.0 or lower)

**DESCRIPTION:** By setting some specific current values, always lower than 5 mA, the maximum current is delivered without respecting the set limit of IMAX.

**SOLUTION:** for firmware versions higher than 16.0, a protection has been added that, based on the current reading, places the Qube in a safe state in case the readed current should spike above the IMAX limit.

**From version 17.4.9, the bug has been eliminated.**

For older firmware versions it is possible to contact ppqSense staff in order to update the firmware to a compatible, bug-fixed version.

## Revision History

Revision	Date	Author(s)	Description
1.0	2025.06.06	LM	First redaction.