

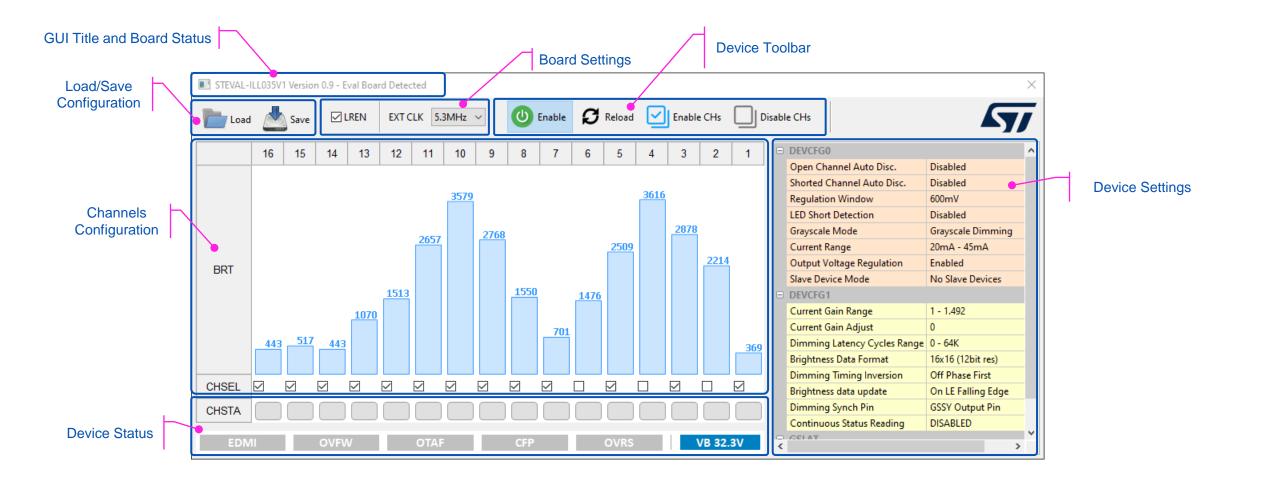


STSW-ILL035GUI Quick Start Guide

STMicroelectronics

APMS - Analog sub group - GPA

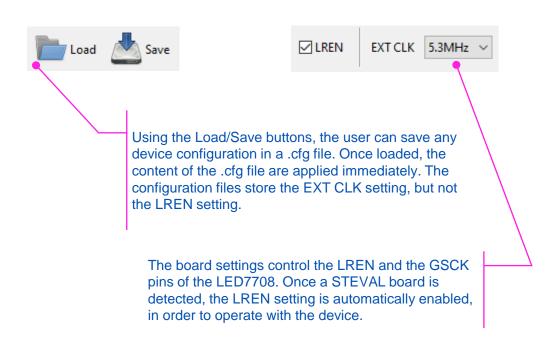
GUI Main Features

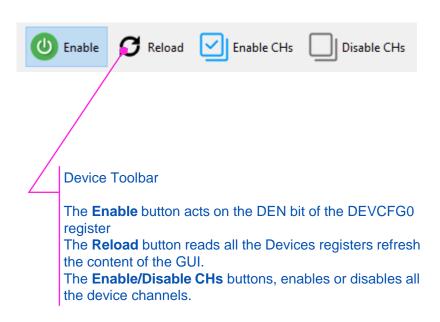




GUI Title and Toolbar

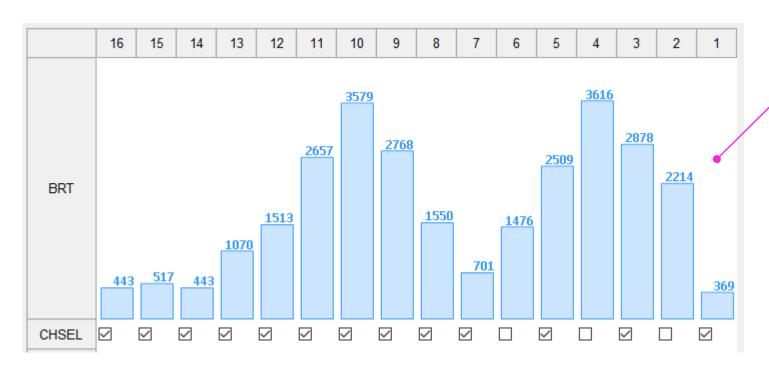








Channels Configuration and Status



From here, the user can enable and set the brightness of each individual channel. The number upon each channel bar indicates the register value of the channel brightness. The full scale of the number can change according to the **Brightness Data Format** setting located on the DEVCFG1 settings (right side of the GUI). To change the BRTx of any channel, just drag up or down the bar.



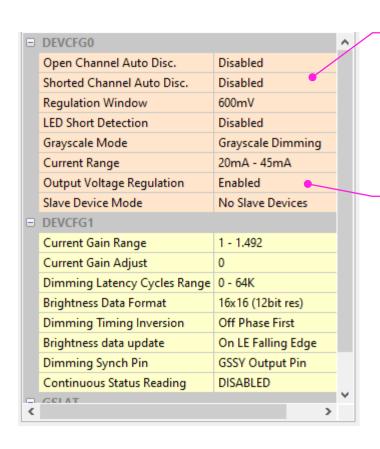
The channels status are reported here. Each indicator is the bit of the CHSTA register. Below are reported the DEVCFGx readonly bits.

The status is refreshed periodically.

The device BOOST voltage is refreshed periodically and showed here.



DEVCFGx and GSLAT



The most of the DEVCFGx register fields, and the GSLAT as well, are reported here. Each time a value is updated, the SW writes the new configuration, and subsequentially, reload the register involved to be sure the value has been applied.

Note: a particular attention must be taken when changing the **Output Voltage Regulation** field. If its value is **disabled**, the BOOST won't work and the LED strings will not be powered by the STEVAL.



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