
**STM32L0xx and STM32L4xx calibration software expansion
for STM32Cube**

Data brief

Features

- STM32L0xx:
 - Calibrated oscillators: HSI16, MSI, HSI48
 - Measured oscillator: LSI
- STM32L4xx:
 - Calibrated oscillators: HSI16, MSI, HSI48 (only for STM32L432 line)
 - Measured oscillator: LSI

Description

The software package called X-CUBE-RC-CALIB, describes how to measure and calibrate internal oscillators. It also describes which internal features are used for calibration or measurement.

Each oscillator trimming functionality is implemented in a separate file, so that users can easily select the file they need, without using the whole software package.

The software package X-CUBE-RC-CALIB is built on top of the STM32Cube HAL layer drivers.

For more details refer to the application notes “*How to calibrate an STM32L0xx internal RC oscillator*” (AN4631) and “*How to calibrate STM32L4 Series microcontrollers internal RC oscillator*” (AN4736).

Ordering information

X-CUBE-RC-CALIB is available for free download at the www.st.com website.

Revision history

Table 1. Document revision history

Date	Revision	Changes
10-Apr-2015	1	Initial release.
24-Nov-2015	2	Updated <i>Features</i> and <i>Description</i> .
06-Oct-2016	3	Updated <i>Features</i> to add calibration information for STM32L432 line.

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