

## Graphical user interface for STEVAL-IME014V1B



### Features

- Interface to configure the STHV1600 16-channel high voltage pulser
- Waveform editor to create and save user waveforms
- Standalone software; does not need to be installed
- Configurable system clock (CLKSYS) frequency: 10 MHz, 50 MHz, 100 MHz, 200 MHz
- Configurable pulse repetition frequency (PRF) / repetition times ( $\mu\text{s}$ )
- CW (Continuous wave) mode
- PW (Pulsed wave) modes:
  - Single (trigger)
  - Continuous (multiple triggers)
- Status register window for interrupt events
- Register setting files in text and binary format
- CMOS digital interface

### Description

The graphical user interface for the STEVAL-IME014V1B evaluation kit helps to configure the STHV1600 16-channel high voltage pulser for ultrasound imaging applications and build custom waveforms to test the device.

The GUI allows setting up environment variables like clock and pulse frequencies, as well as waveform operating modes.

Product summary	
16-channel high voltage pulser evaluation kit for ultrasound imaging applications	STEVAL-IME014V1B
16-channel high voltage pulser designed for ultrasound imaging applications	STHV1600
Graphical user interface	STSW-IME014GUI
Compiled ready to use firmware	STSW-IME014FW
Applications	Ultrasound Imaging

## Revision history

**Table 1. Document revision history**

Date	Version	Changes
17-Apr-2018	1	Initial release.
15-Jan-2020	2	Updated cover page image and product summary table. Minor text edits.

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