

## Advanced audio development tool for STM32 microcontrollers

Data brief

### Features

- ST-AudioWeaver Designer:
  - Graphic design and configuration tool
  - Live, real-time tuning interface
  - Cycle accurate profiling
- ST-AudioWeaver Runtime Core:
  - In-product, software audio engine
  - Easy to integrate into existing product software
  - 160+ hand-optimized audio building blocks

### Description

ST-AudioWeaver is an ST subsidized release of the leading Audio Weaver™ audio development system developed and commercialized by DSP Concepts.

ST-AudioWeaver is an advanced tool for easy and optimized audio development and tuning on STM32 microcontrollers.

The PC based tool utilizes a graphical interface that enables creating and tuning of advanced audio processing chains by simply dragging and dropping 160+ modules.

No DSP coding skills are required. When using the runtime core libraries, the output is optimized embedded code, ready for production, which significantly reduces development time and costs.

ST presents this special offer for free to the STM32 customers and adds the support of a number of ST audio modules such as virtualization and bass enhancement.

Premium upgrade of ST-AudioWeaver with additional or custom audio modules and MATLAB® API support, is possible using DSP Concepts commercial offers. The user can also license a software solution such as DSP Concepts "Voice UI".

ST-AudioWeaver is supplied by a third party not affiliated to ST. For complete and latest information, refer to the third party website <https://dspconcepts.com/st>.

## Revision history

**Table 1. Document revision history**

Date	Revision	Changes
27-Feb-2017	1	Initial release.
13-Mar-2017	2	Updated Features and Description.

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