



# Application Software Pack: Power Optimized Wearables User Interface for the i.MX RT595

## APP-SW-PACK-POWER-OPTIMIZED-VOICE-UI

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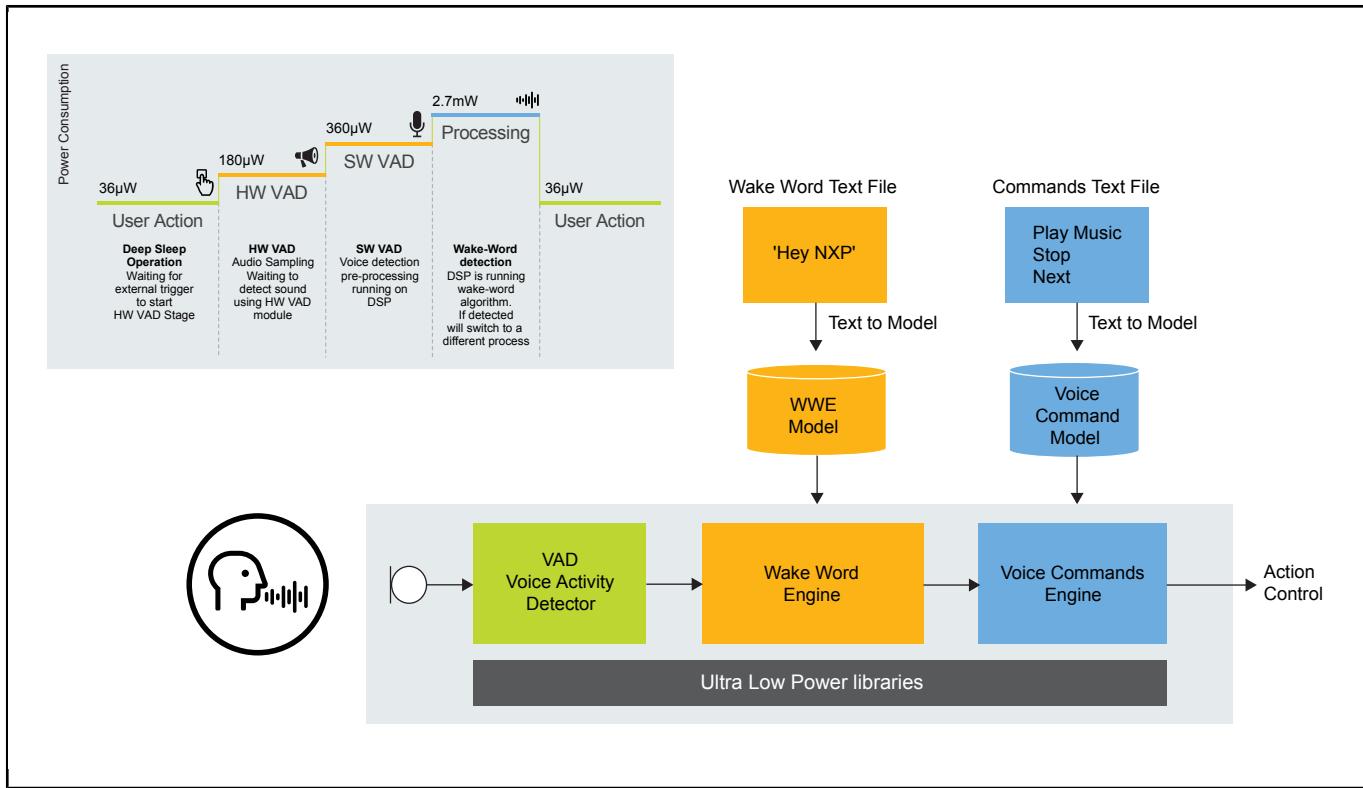
The Power Optimized Voice User Interface Application Software Pack provides embedded developers with production quality code that implements voice wake-up and voice command recognition using the i.MX RT595 Crossover MCU.

The software shows how to acquire voice data with a single-channel digital microphone in a low power mode while the MCU remains in deep-sleep mode until there is a valid voice.

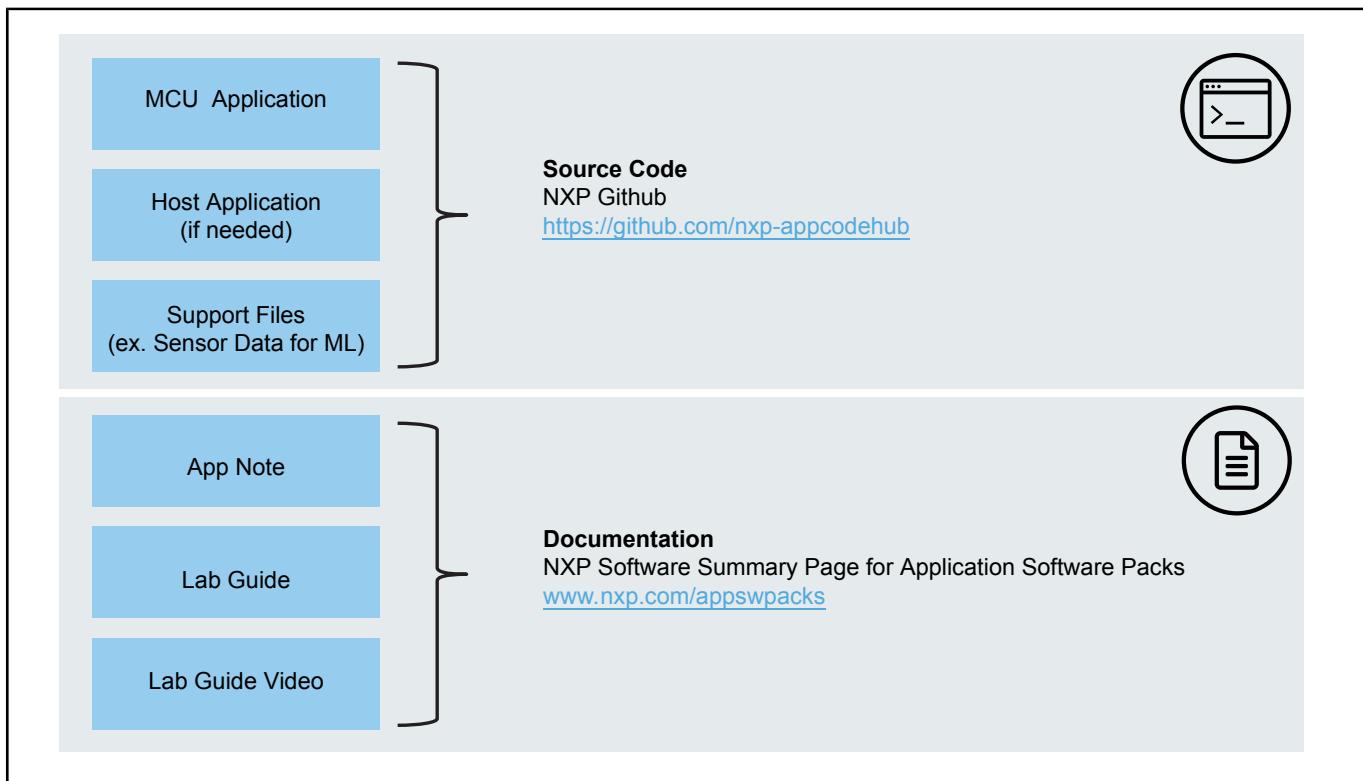
[Voice intelligent technology](#) (VIT) is used as the voice UI in this Application Software Pack. VIT provides always-on wake word detection and local commands supporting custom command definition and multiple languages.

[Download this Application Software Pack](#) and follow the steps found in the Lab Guide.

## Power Optimized Voice UI Block Diagram Block Diagram



## Application Software Pack Collateral Block Diagram Block Diagram



[View additional information for Application Software Pack: Power Optimized Wearables User Interface for the i.MX RT595.](#)

**Note:** The information on this document is subject to change without notice.

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