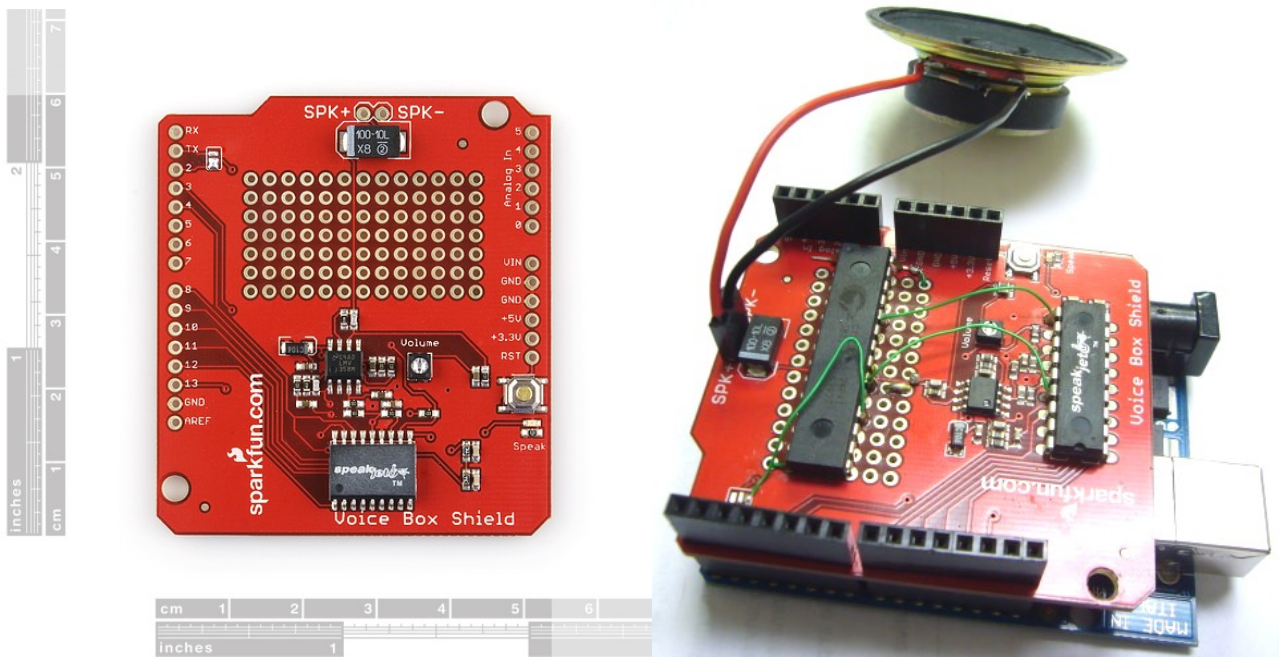


# SparkFun

## VoiceBox Shield

(SKU: DEV-09799)



**Description:** The VoiceBox Shield can be mounted on top of your [Arduino USB Board](#) or [Pro](#), to give it access to all capabilities of the [SpeakJet](#) voice and sound synthesizer. The Voice Box Shield uses the SpeakJet chip to convert serial commands into a great robot-sounding voice.

Populated on the VoiceBox Shield are the 18-DIP SpeakJet IC and a two stage audio amplifier with a potentiometer to set the gain. You can connect a speaker directly to the 'SPK+/-' pins, and get your Arduino-bot talking with very minimal work!

You can control the SpeakJet through either its serial line, or the eight event input lines which are connected to digital pins 5-12. A 3-way jumper allows you to connect either the software (D2) or hardware (D1) TX pin of the Arduino to the SpeakJet's serial input.

Also included on the shield are a 13x7 grid of 0.1" pitch through-holes for prototyping, the Arduino's reset button. Headers are not included, we recommend the [6](#) and [8-pin stackable headers](#).

### Documents:

- [Schematic](#)
- [Example Code](#)
- [Listen to the SpeakJet!](#) (YouTube)
- [Talking Wireless Server Tutorial](#)
- [SpeakJet User's Guide](#)
- [SpeakJet Dictionary](#)
- [Tutorial](#) on adding the TTS256 text to speech IC to the shield