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SparkFun Purpletooth Jamboree - BC127 Development Board

WRL-11924 ROHS ✓ ✱

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Description: This is the PurpleTooth Jamboree a full-function board, designed to provide audio bridge support through the A2DP, HFP, and AVRCP Bluetooth Classic profiles. The module is also dual mode which means it can operate as Bluetooth 2.1 or Bluetooth 4.0 (BLE). It includes circuitry for converting single-ended audio inputs and microphones to balanced inputs for the module, and converting the module's balanced audio output to an amplified single-ended signal suitable for line-input and headphones. The PurpleTooth also includes buttons for pairing and sending audio commands to remote devices, battery charge circuitry, and six-pin serial headers pinned out for connecting to either FTDI basic boards or boards like the Arduino Pro, Pro Mini, and LilyPad.

Each PurpleTooth Jamboree comes standard with a BC127 Bluetooth module, an extremely competent and easy-to-use dual-mode Bluetooth radio. In command mode, any data coming in on the serial port is treated as commands and will be parsed accordingly by the module's command interpreter. In data mode, any data arriving over the serial port will be directly piped out over the Bluetooth link, assuming that the module is connected to another device using the Serial Port Protocol.

The PurpleTooth is equipped with one Mic in / LINE in 3.5mm jack (with additional 4-pin through-hole mic adapters), one Headphone / LINE out 3.5mm jack (with additional 4-pin through-hole L/R speaker adapters), seven button volume, track, play and pair control, serial to micro and FTDI support, and a USB micro port for power and updating the firmware (you will need a 5V FTDI for serial commands).