

# Amp'ed UP Bluetooth Stack

## Proprietary dual mode Bluetooth Stack

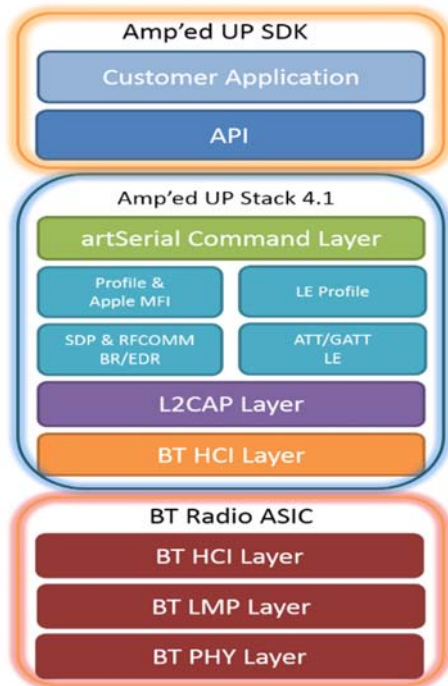
Amp'ed UP dual mode Bluetooth stack is our fully integrated, SIG-qualified, proprietary stack that enables embedded Bluetooth capability.

Amp'ed UP Bluetooth stack supports both classic and low-energy Bluetooth, with many profile options. It enables embedded devices with various applications, from high speed data and audio, to low-power IoT applications.

Additionally, our Amp'ed UP SDK is designed to support multiple OS and embedded MCU systems, for quick and easy system integration

### Benefits

- **Dual mode Bluetooth Stack**
- **SIG and MFI qualified**
- **Fully integrated with ACH MCU product line**
- **Easy integration with Amp'ed UP SDK**
- **Multiple profile options to enable vast variety of Bluetooth applications**



## Summary

### Stack Features

- Both Classic and Low Energy Options Combined
- Apple MFI
  - Complete Apple MFI Bluetooth IAP Solution
- Amp'ed UP SDK
  - End-User Customization
- High Quality Audio
  - Integrates our "Sonic ART Audio Suite"

### System Requirements

- Processor
  - ARM Cortex supported
- Memory Footprint
  - Minimal (SPP Only): 72K Flash, 14K RAM
  - Full Feature (Audio and Data Profiles): 200K Flash, 60K RAM