



Benchmark Sharefile

Valencell Benchmark Sharefile contains all the necessary documentation to get you up and running. The contents of each folder can be found below.

Benchmark Common – Additional Resources

- **Application Notes**
 - HRV Primer & Data
 - 001113-02.00 HRV Primer
 - 001397-02.01 HRV_PerformanceEvaluation_BE2_0
 - 001402-02.01 HRV_PerformanceEvaluation_BW1_2
 - 001433-02.01 HRV_PerformanceEvaluation_BW2_0
 - Test Recommendations
 - 001475-01.00 Customer testing procedures Benchmark BLE devices
 - 001755-01.00 Benchmark Manufacturing Functional Test
 - 001432-01.00 - Application notes for implementing PerformTek-powered assessments
- **Design Examples**
 - Electrical
 - 001096-00.01 (For Reference Only) PCBA_FLEX_LILLY4_TO_BW2
 - BW1_2 WDS (For Reference Only)
 - BW2.0_WDS_Schematic_(For Reference Only 12DEC2017)
 - Firmware and Software
 - Bootloader Python Script
 - Embedded Example Code
 - Mobile - Device Apps
 - Mechanical
 - Anatomy
 - Earbud Enclosure
- **Firmware Images**
 - Benchmark Ear 4.0 Firmware (BE4.0)
 - Benchmark Ear 6.1 (BiometRIC) Firmware (BE6.1)
 - Benchmark Ear v1.2 Firmware (BE1.2)
 - Benchmark Ear v2.0 Firmware (BE2.0)
 - Benchmark Wearable 4.0 Firmware (BW4.0)
 - Benchmark Wrist v1.2 Firmware (BW1.2)
 - Benchmark Wrist v2.0 Firmware (BW2.0)



Benchmark Common – PerformTek

- **PerformTek Interface Protocol**
- **PerformTek User Guide**
- **PerformTek Firmware Release Notes**
- **PerformTek Migration Guide Gen 1 to Gen 2**

Benchmark Hearable

- **Hearable Evaluation Kit**
 - BE Wireless Demonstration System (BE WDS)
 - 000965-01.03 Hearable WDS User Guide
 - USB Development Platform
 - 001400-02.02 USB Development Platform V2 User Guide
 - 001303-02.00 Hearable EVK Quick Start Guide
- **Hearable Sensors**
 - Benchmark Ear 1.2 (NRND)
 - 3D CAD
 - BE Wireless Demonstration System (BE WDS)
 - 000532 Benchmark Earbud Integration Guide 03.00
 - 000532 Benchmark Earbud Integration Guide - Chinese 01.00
 - 000816-2.00 Benchmark Ear 1.2 Datasheet
 - 000817 Benchmark Earbud FAQ-02.10
 - Benchmark Ear 2.0
 - BE2.0 Sensor 3D CAD
 - 000532 Benchmark Earbud Integration Guide 03.00
 - 000532 Benchmark Earbud Integration Guide - Chinese 01.00
 - 000978-1.02 Benchmark Ear 2.0 Datasheet
 - Benchmark Ear 4.0
 - 3D CAD and Drawings
 - 000532 Benchmark Earbud Integration Guide 03.00
 - 000532 Benchmark Earbud Integration Guide - Chinese 01.00
 - 001654-02.01_BE4.0 Datasheet
 - 001917-01.00 PTek Low Power MCU Integration Guide
 - Benchmark Ear 5.0
 - 000532 Benchmark Earbud Integration Guide 04.01
 - 001873-01.00 BE5.0 Preliminary Datasheet
 - 001913-01.00 Sensor ASM, Exemplar, BE5.0 DRAWING
 - 001926-01.00 Window 1-shot, Exemplar, BE5.0 DRAWING



Benchmark Wearable

- **Wearable Evaluation Kit**
 - USB Development Platform
 - 001400-02.02 USB Development Platform V2 User Guide
 - Wireless Demonstration System
 - 001400-02.02 USB Development Platform V2 User Guide

- **Wearable Sensors**
 - BW1.2
 - 3D CAD and Drawings
 - 000831-03.01_Benchmark Wrist 1.1 1.2 Datasheet
 - 000832 - 02.04 BW Integration Guide
 - BW2.0
 - 3D CAD and Drawings
 - 000832 - 02.04 BW Integration Guide
 - 000912_02.00 Benchmark Wrist 2.0 Datasheet
 - BW2.1
 - 3D CAD and Drawings
 - 000832 - 02.04 BW Integration Guide
 - 001715-02.00_BW 2.1 Datasheet
 - 001917-01.00 PTEK Low Power MCU Integration Guide
 - BW4.0
 - 3D CAD and Drawings
 - 000832 - 02.04 BW Integration Guide
 - 001621-02.01 BW4.0 Datasheet
 - 001917-01.00 PTEK Low Power MCU Integration Guide

Please contact info@valencell.com to requests access to these documents.

For a list of frequently asked questions, please visit our [FAQ page](#).