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| **Firmware Internal Release Notes** |
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| Prepared By | Reviewed By | Approved By |
| Document Control | Management Representative | Director |
| Harish | Biswaroop | Vijay |

**Revision Control**

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| --- | --- | --- | --- | --- |
| Issue # | CRN# | Effective Date | Section # | Description of Change |
| 01 |  | 21/06/2023 | All Sections | Initial Release |
| 02 |  | 22/09/2023 | ECG | LOD detection and ECG ODR setting |
|  |  |  |  |  |

Release History

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| Release No. | Release Date | Release Description |
| 1 | 22/09/2023 | Non-modular base FW to test QV, MV, data sync, storage along with ECG-LOD detection. |

Firmware Release Notes

SenseH\_FW\_Esp32

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| **Release V1.0 – Date: 22/09/2023** |
| ***Release Name:*** SenseH\_FW\_Esp32 |

**Features:**

* Date/time sync with the mobile application
* Time monitoring on the console for each test
* Lead off detection for ECG
* Polling method for ECG and PPG
* Storage for quick and multi-vitals
* Data syncing with mobile APK

**Existing Issues and Workarounds:**

* V leads in multi-vitals are not inverted
* PPG lead off detection
* BP test (Sequential acquisition is not properly managed)

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| **Release File Location:** | SenseH\_FW\_Esp32 | | |
| **Hardware Details** | | |  |
| BOARD | BOARD NO. | MODIFICATIONS | |  |
| Device Main Board: | 28 | Fibbing – Done, R123 resistor removed  Prog resistor – Present  ENTC – Present  Reset Ckt Cap - Present | |
|  |  | ADS CS pin is routed to IO14 of ESP32 | |
| Device Display Board: | 28 |  | |
| Device Power Board: | 28 |  | |
| Device PPG Board | 28 | Removed R99 and R102 resistors for ECG LOD | |
| **Software Details** | | | |
| Android APK Version: | | T-1.0.6 | |