

# WhaleTeq MECG 2.0 SDK Changelog

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## Test Environment:

- Linux Kernel Version (Ubuntu): 6.8.0.49-generic
- Raspberry Pi Version: Raspberry Pi 4 Model B (4GB RAM)
- Raspberry Pi Linux Kernel Version: 5.10.103-v7l+ (32-bit), 6.1.21-v8+ (64-bit)
- macOS Version: macOS Sonoma 14.4.1

## IMPORTANT:

1. the calling convention is `_cdecl`
2. (Linux/ Raspberry Pi/ macOS) if the devices can not be connected
  - i. switch to root user
  - ii. remove all the files - `/var/lock/whaleteq*.lock` (Linux) or `/private/var/whaleteq/lock/whaleteq*.lock` (macOS) and try again

## Version 1.0.7.2 - 2026-01-22

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1. FIX: potential hang when the device is disconnected

## Version 1.0.6.2 - 2025-09-09

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1. FIX: signal outputting error in Linux
2. CHG: added support macOS Sequoia

## Version 1.0.6.1 - 2024-11-21

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1. NEW: added play data synchronization functionality

## Version 1.0.5.4 - 2024-10-23

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1. FIX: (macOS) the output signal may fail probabilistically
2. CHG: update `MECGGetSerialNumber()` ; added support all models

## Version 1.0.5.1 - 2024-08-27

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1. NEW: added support to load triangle pulse (100ms)

2. NEW: added Mac library

## Version 1.0.4.4 - 2023-05-17

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1. FIX: the outputted waveform is continuously shifted if the WhaleTeq-format raw data is loaded
2. CHG: added support Linux and Raspberry Pi
3. CHG: remove c# sample code

## Version 1.0.4.0 - 2021-10-15

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1. CHG: remove MECGLoadWaveformSine() and MECGLoadWaveformTriangle(); use MECGLoadWaveform() instead
2. NEW: added support to load square waveform

### IMPORTANT:

1. MECGLoadWaveformSine() and MECGLoadWaveformTriangle() are removed

## Version 1.0.3.0 - 2020-11-04

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1. redesign periodical waveform (sine/ triangle/ pulse); load as continuous waveform instead of 10-seconds waveform

## Version 1.0.2.0 - 2020-10-15

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1. update ECG\_HEADER structure; field ECG\_SIGNAL Signal[1] is defined as a variable-length array
2. add MECGConnect() to connect to the device

## Version 1.0.1.2 - 2018-08-01

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1. added support new MEGG HW (DAC 16bit)
2. added support to output sine/triangle wave with different amplitudes to different leads
3. remove the maximum limitation (3hr) of ECG\_HEADER.NumberOfSamplesPerSignal; the value of ECG\_HEADER.NumberOfSamplesPerSignal varies based on the system memory

## Version 1.0.0.9 - 2017-09-25

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1. initial version