MAXIM DEVICESTUDIO

RELEASE NOTES

maxim integrated™

©2020 Maxim Integrated Products, Inc.
All rights reserved.

No part of this documentation may be reproduced nor distributed in any form or by any means, graphic, electronic, or mechanical, including but not limited to photocopying, scanning, recording, taping, e-mailing, or storing in information storage and retrieval systems without the written permission of Maxim Integrated Products, Inc. (hereafter, “Maxim”). Products that are referenced in this document such as Microsoft Windows® may be trademarks and/or registered trademarks of their respective owners. Maxim makes no claim to these trademarks. While every precaution has been taken in the preparation of this document, individually, as a series, in whole, or in part, Maxim, the publisher, and the author assume no responsibility for errors or omissions, including any damages resulting from the express or implied application of information contained in this document or from the use of products, services, or programs that may accompany it. In no event shall Maxim, publishers, authors, or editors of this guide be liable for any loss of profit or any other commercial damage caused or alleged to have been caused directly or indirectly by this document.

CONTENTS

1. Maxim DeviceStudio Release Notes 4

1. Maxim Device Studio Release Notes

Version	Date	Importance	History	Known Issues
5.8.2.0	10/26/20	Medium	• Fixed the bug that causes the log data to append the existing file. • Added IbiOffset to data stream • Change the UI and settings for ME11A.	
5.8.1.1	6/25/2020	Medium	• Added SCD State Machine • Added MFIO feature • Added primary/secondary axis change option	
5.8.0.0	4/3/2020	High	• Fixed battery level bug • Added a warning for possible wrong key in flashing. • Fixed the format passing bug. • Fixed the operation mode bug for power saving mode. • Fixed the continuous mode bugs, • Added new fields, Updated UI accordingly.	
5.7.0.6	2/12/2020	High	• Support MRD220HR • Fixed flashing msbl for MRD220HR with older hosts	
5.7.0.5	01/16/2020	Medium	• Bug fix not showing data if platform was connected to Android before without power cycle • Fixed saving logs twice if disconnected from platform • Increased timeout for battery level check • Supports both MRD103 and MRD101 (MAX32664B with PPG, ECG, Temp) • Update object library to make combo boxes read-only • BLE stability improvement causing monitoring to not start with bad CRC message in the log.	
5.7.0.4	12/19/2019	Low	• Help files updated • Write algorithm and raw settings + register dump to the log file	
5.7.0.3	12/6/2019	High	• Checks connection before start monitoring and disconnect if unable to communicate • Closes hrm and spo2 chart if disconnect menu is clicked • Fixed exception error if a tool menu command is sent while streaming • Resets ME11 on ppg form launch, no need to read registers from HW to populate default values • Closes ppg form gracefully if BLE connection is lost • Changed the default value of SCD to Enable, • Fixed issue AFE control was not init to default • Reordered algo data table with HR items first, followed by Spo2 and SCD at the end • Changed DeviceStudio name to Maxim DeviceStudio • Reads all registers only if reg map form is open to accelerate scan/connect • Fixed serial scan failure if directly connected with USB-C • Fixed incorrectly shown ***Dropped Sampl when sample count went from 255->0	Help file outdated
5.7.0.1	11/12/2019	High	• Moved Operation mode and AFE out of setting tab, updated groupings • Added spo2 and hrm chart. speed up scan and connect. • Added "Default" button for resetting Settings to default • Fixed PPG graph scaling issue • Update MaximStyle library • Fixed raw data not sending register values • Fixed the issue of sending multiple pause 0 and pause 1 • Added logging option for HR@1Hz • Added icons for spo2 and hrm for chart • Cleaned up and regrouped arrangements on the screen • Battery level displayed • Added initFSamplingAvgCombobox and initIntegrationTimeCombobox • Updated log control and all tutorials	Help file outdated

			• tooltips updated • Closes log file on BLE disconnect • Added tags for ppg 9: wSteps,rSteps, kCal, cadence for flashlogging • Shows a warning message box (no streaming available) if flash write is enabled. • Flash log parser for read ppg 4/5/6/9 fixed • Set BLE Power command added to Tool menu • Added command to read BLE MAC to tool menu. • Shows algo version in main screen. • Enable/Disable Host LED added to Tool menu	
5.6.11019.0	10/30/2019	Medium	• Speed up screen refresh on changing Modes. • Limit effective sample rate to 100Hz, only check in raw mode • Bug fix “Power Saving” mode not functional after running in “Raw” mode. • Changed the platform name from MAX32660 to MAX32664 • Disabled dump_reg ppg before Start monitoring for stability. • Reduced delay between reading registers to speedup startup • Masked warning before flashing if platform is MAX32664 while target is MAX32660	Help file outdated