ELECTRONIC MEASURING BOARD FIRMWARE UPDATE V1.1.1 (50CM) V2.1.2 (100CM) RELEASE NOTES | JULY 12, 2021



Electronic Measuring Board Firmware v1.7.0 (50cm) v2.1.2 (100cm):

o Electronic Measuring Board has been made compatible with the new Device Manager Software

UPDATING FIRMWARE GUIDELINES

- 1. To update the Electronic Measuring board to the newest firmware, **open** the new Biomark Device Manager software.
- 2. If you have not downloaded the new software you can get it here: <u>https://www.biomark.com/Documents%20and%20Settings/67/Site%20Documents/Technical/D</u> <u>eviceManager/deviceman.html</u>
- 3. Select the "Fish Measuring Board" in the reader drop-down list.

Siomark Device Mana	ger v.1.2.14		- 🗆 X
File Tools Help			
Communication: Reader: Fish Measuri Serial Port: COM13 Star	ng Board V ndard Serial over Bluetooth link V	Refresh 115200 V Open	Biomark .
Device Manager	Tag Memory Manager		
Controls: Fish Measurin ▼ Measuring Bo	ng Board	Terminal:	Scroll Down 🗌 Capture to File

4. Click the Bluetooth icon, and select the corresponding device from the pop-up window. The device ID is related to the serial number engraved in either the side or base of the board.



 After selecting the correct device, you might be prompted to allow Windows to connect to the device if you have never connected the board to your PC. Before connecting you will be asked to enter a pre-populated Bluetooth pin code **1234** (unless you changed this code) and hit, **OK** to connect.

Biomark Device Manager v.1.2.14			- 🗆 ×
File Tools Help			
Communication:			
Reader: Fish Measuring Board \checkmark		Biomar	k 🔛
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Device Manager Tag Memory Manager			
Controls: Biomark Device Man	ager - Bluetooth Connection Utilities	- 🗆 ×	
Fish Measuring Board Searching for Blue	tooth devices	Show In-Range Devices Only	Scroll Down Capture to File
		^	
Measuring Board Settings			
	LAPTOP-475PU5P7 70.C9.4E.E0.FE.5E Not authentica	ated, Not connected	
	Bluetooth Pin Code	×	
	Pin Code:		
	1234	ted	
	📄 Ok 💥	Cancel	
	Biomark MB.0026 34.81.F4.55.88.DF Authenticated	I, Not connected	
Searching for Bluetoo	h devices		

6. After connecting, Device Manager will automatically recognize that there is an update for this device if you have Device Manager version 1.2.14 or newer. To update click on **yes**.



😒 Biomark	Device Manager v.1.2.14		- 🗆 X
File Tools	; Help		
Communica	tion:		
Reader:	Fish Measuring Board \checkmark	Biomark	
Serial Port:	Biomark MB.0015 [34.81.F4.55.8E.68] 🗸 🤘	Refresh 115200 V Close SPECIALISTS IN IDENTIFICATION SOLUTIO	NS
Device	Manager Tag Memory Manager		
Controls:		Terminal:	
Fish	Measuring Board Settings	RFS INF: Start Of Full Status Report Measuring Board: Serial Number: 1904.0015 Application Version: 1.1.0 Battery Voltage: 12.6 V Stylus Position: N/A Bluetooth: Broadcast Name: BiomarkMB.0015 Connection Status: Connected INF: End Of Full Status Report STUUS: OFF	Scroll Down Capture to File

7. If the computer you are using to update is connected to the internet (recommended), select "Available from Biomark" and the software will connect to our website and grab the update without having to download and save to the computer. Feel free to call us if you need the source file 208-275-0011

😒 Biomark	Device Manager v.1.2.14		- 🗆 ×
File Too	ls Help		
Communic	ation:		
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Serial Port:	Biomark MB.0015 [34.81.F4.55.8E.68]	✓ ③ Refresh 115200 ✓ Close	SPECIALISTS IN IDENTIFICATION SOLUTIONS
Device	Manager Tag Memory Manag	ger	
Controls		Teminal:	
Fish ▼ Me	Measuring Board Settings	<pre>F5 INF: Start Of Full Status Report Measuring Board: Serial Number: 1904.0015 Application Version: 1.1.0 Battery Voltage: 12.6 V Stylus Position: N/A Bluetooth: Broadcast Name: BiomarkHB.0015 Connected Reader Firmware Update Present Firmware Version: Biomark Fish Board 500 mm v.1.1.0 Outdated Select Firmware To Update:</pre>	

8. Click on Start Update, and then on Start Programming to begin the firmware update.

ELECTRONIC MEASURING BOARD FIRMWARE UPDATE | RELEASE NOTES Biomark

😒 Biomark	Device Manager v.1.2.14					- 🗆 X
File Tools	; Help					
- Communica	tion:					
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Controls:		Ten	minal:			
Fish	Measuring Board	•				Scroll Down 🗌 Capture to File
		Biomark Device Mana	ger - Update Device Firmware		×	
V Mea	asuring Board Settings	Protocol:				
		Comm port: Speed:	Bluetooth: BiomarkMB.0015 N/A	CPU / Protocol: Max. Application Size:	PIC32MX 512K Bytes	
		Application Firmware				
		Application Name: Application Version;	BIOMARK MEASURING BOARD 1.1.1	Bootloader: Bootloader Version:	Integrated 1.0	
		Application Code: Application Size	1859.0000 (Measuring Board 500 mm) 50056 Bytes	Minimum App. Version:	0.0	
		Application CRC:	CC80			
			Start Programmi	ng		
		Progress:				
					0%	
			Close			

9. You will be asked if you would like to change the Serial number of the board when reprogramming, select the default "**Reprogram unit with previously assigned serial number**" and hit **OK**.

Biomark	Device Manag	er v.1.2.14					
e Tool	s Help						
Communica eader: erial Port:	ation: Fish Measuring Biomark MB.00) Board 15 [34.81.F4.55.8E.68]	~ ~ (3)	Refresh 115200 V Close		Bioma	ırk 🕄
Device	Manager	Tag Memory Ma	nager			SPECIALISTS IN IDENTIFICATION	SOLUTIONS
Controls: Fish ▼ Me	Measuring	g Board ard Settings	Biomark Device Ma Protocol: Comm port:	Feminal: nager - Update Device Firmware Bluetooth: BiomarkMB.0015	CPU / Protocol:	PIC32NX	Scroll Down 🗌 Capture to
			Application Name Application Vare Application Cod Application Size Application CRC	BIOMARK MEASURING BOARD Programming Serial Number Reprogram unt with previously assigned as Program new board and assign serial numb New Serial Number: 2128 Vew	nan pprotect dec	el	
				Close]		

10. A status bar will appear, the entire reprogramming should only take around 30-60 seconds.



11. After the reprogramming is complete the Measuring board will power cycle and disconnect from Device Manager. To confirm the firmware has been updated you can simply reconnect the board via Bluetooth and verify the application version on the status report is changed.

File Tools Help Communication:	Biomark Device Manager v.1.2.14		- 🗆 X
Communication: Reader: Fish Measuring Board Serial Port: Biomark MB 0015 [34.81.F4 55.85.68] Device Manager Tag Memory Manager Controls: Fish Measuring Board Serial Poord Seri	File Tools Help		
Reader: Fish Measuring Board Serial Port: Biomark MB 0015 [34.81 F4.55.86.68] Image: Controls Biomark MB 0015 [34.81 F4.55.86.68] Image: Controls Second Data	Communication:		
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Device Manager Tag Memory Manager Controls: Teminal: Eish Measuring Roard Scroll Down _ Capture to Fild	Serial Port: Biomark MB.0015 [34.81.F4.55.8E.68]	✓ ⑧ Refresh 115200 ✓ Close	SPECIALISTS IN IDENTIFICATION SOLUTIONS
Controls:	Device Manager Tag Memory Man	ager	
Eich Moasuring Board	Controls:	Terminal:	
	Fish Measuring Board	- A	Scroll Down 🗌 Capture to File
		DEC	
▼ Measuring Board Settings INF: Start Of Full Status Report	 Measuring Board Settings 	INF: Start Of Full Status Report	
Measuring Board:		Measuring Board:	
Serial Number: 1904.0015		Serial Number: 1904.0	15
Application Version: 1.1.0		Application Version: 1.	0
Battery Voltage: 12.6 V		Battery Voltage: 12.	V
Stylus Position: N/A		Stylus Position:	i/A
Bluetooth:		Bluetooth:	
Broadcast Name: BiomarkMB.0015		Broadcast Name: BiomarkMB.00	15
Connection Status: Connected		Connection Status: Connect	.ea
STYLUS: OFF		STYLUS: OFF	
RFS		RFS	
INF: Start Of Full Status Report		INF: Start Of Full Status Report	
Measuring Board:		Measuring Board:	
Model: 500 mm		Model: 500	mm
Serial Number: 1904.0015		Serial Number: 1904.00	15
Application Version: 1.1.1		Application Version: 1.	1
Battery Voltage: 12.6 V		Battery Voltage: 12.	V V
Stylus Position: N/A		Stylus Position:	//A
Bluetooth:		Bluetooth:	
Broadcast Name: BiomarkMB.0015		Broadcast Name: BiomarkMB.0	15
Connection Status: Connected		Connection Status: Connect	.ed
INF: End OF Full Status Report		INF: End OF Full Status Report	
511105: 011		SILUS: OFF	



Contact us if you have any questions: 208.275.0011 biomarkservice@merck.com

6