How to use the product

Rev.1 Shiftall / Masumi FUJITA

Change history

Rev.	Changes	Name	Date
1	Create a new entry	FUJITA	2023/6/27

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- 1 Application Installation
- 1.1 Install of Haritora Configurator Install HaritoraInstaller0.8.0beta3.exe



Select Setup Language				
4	Select the language to	use during the installation		
	English		\sim	
		OK ancel		



ady to Install					5
Setup is now ready to b	egin installing HaritoraConf	igurator on your compute	er.		6
Click Install to continue	with the installation, or click	Back if you want to revi	ew or change	any settir	ngs.
Additional tasks: Additional shortcut Create a desktop	ts: o shortcut				Ŷ

င် ¹ ာ Setup - HaritoraConfigurator version 0.8.0	-		\times
Installing Please wait while Setup installs HaritoraConfigurator on your computer.			(10)
Extracting files C:¥Program Files (x86)¥HaritoraConfigurator¥UnityPlayer.dll			
		Ca	ncel

🚽 Setup - HaritoraConfigurator vers	ion 0.8.0	-		\times
	Completing the HaritoraCo Setup Wizard	nfigura	ator	
(10m)	Setup has finished installing HaritoraConfigurato application may be launched by selecting the inst Click Finish to exit Setup. Launch HaritoraConfigurator	on your co	mputer. T uts.	he
		Finish		

Double-click the shortcut for Haritora Configurator.



Click "Star!".



Select a model the first time you start the program.







HaritoraConfigurator – 🗆 🗙	
HaritoraX terms and conditions	
Terms of Service	
These Terms of Service set forth the license terms and other terms and conditions for the use of the Product (as defined in Article 1, Item 1.5) applicable to this Agreement between the Haritora Configurator Operating Team (The people who develop and operates Haritora Configurator are hereinafter referred to as the 'Operating Team') and the Haritora Configurator (hereinafter referred to as 'the Application') user (hereinafter referred to as 'user'). Users agree to be bound by the Terms of Service when Users or Associate Users (as defined in Article 6, Paragraph 1) (hereinafter, Users and Associate Users are epilociticul enforced to as 'User').	
may not register as a member, use, or reproduce the Application in any way without agreeing to the Terms of Senvice set forth herein. Minors must obtain the prior consent of a legal representative, such as a person with parental authority, to use the Product prior to entering into these Terms of Service and this Agreement Article 1 (Definitions) The meanines of the terms used in this Agreement shall be as set forth in the following items.	Agree
 Terms of Service' means the Haritora Configurator Terms of Service. 'Agreement' means the agreement between the Operating Team and the User with respect to the use of the Product, and these Terms of Service. 'Related Materials' means the Application and any documents necessary for the use of the Application. and any other materials related to the Application provided by the Operating Team to the User. 	
Agree to the terms and conditions and start using HaritoraX. Agree	
C Back	I



Setup is complete.



2 How to use the device





1 Main button

2 Sub button

3 USB port for charging

4 Distance sensor (ToF sensor)

2.2 Power ON

Press the main switch on the sensor unit for 3 seconds.



2.3 Check the mode

Click the Sub button.

BLE mode when the green LED flashes twice.

When the green LED blinks 4 times, it is Gazell mode.



2.4 Mode Change

BLE モードと Gazell モードはボタン操作で切り替えることができます。 You can switch between BLE and Gazell modes by using two buttons.



メインボタンとサブボタンを交互に 5 回以上押します。赤 LED が点灯、緑 LED が点 滅します。

Press the main button and the sub button alternately at least 5 times. The red LED will light up and the green LED will flash.



- 3 BLE Connection
- 3.1 Turn on the sensor unit Turn on the 6 sensor units.
- 3.2 Launch the applicationDouble-click the shortcut for Haritora Configurator.



Click "Start!".



3.3 Connect

The units will be automatically connected if already turned on.



If some units were not connected, try the following.

Click "Fix" in "Bluetooth Settings".



Click Connect to connect the sensor unit and Haritora Configurator.

When all the sensor units are connected, the green check will be inserted and the status on the right will change to "Subscribed". When you move the sensor unit, the tiger moves.

😭 HaritoraConfigurator		- 🗆 X
😔 Bluetooth	?	Image: Strain Strain Image: Strain Strain Strain Strain Strain Strain Image: Strain Strain Image: Strain Strain Strain Strain Strain Strain
Posture data streams from the sensor that has check mark are correctly receiving. If error occured, try turning		KNEE(L) 46% FPS:100 Subscribed SN:A0KUL2
on/off the Bluetooth function in Windows.		KNEE(R) 48% PPS:95 Subscribed SN:A0REG4
		ANKLE(L) 44% FPS:100 Subscribed SN:A07YB3
#1:CHEST		HIP 51% FPS:100 Subscribed SN:A04906
#4:NRE(R) AUREC4 #5:ANKLE(R) A01N85 #6:HIP A049U6		ANKLE(R) 47% FPS:100 Subscribed SN:A01N85
Disconnect		
		App[FPS]: 56

If the status on the right side is "MinimalRead" and the tiger is stuck, restart Haritora Configurator and "Connect" again.



If it still does not change to Subscribed, turn off Bluetooth in Bluetooth & other devices in Windows Settings, restart Haritora Configurator, turn Bluetooth back on, and try to connect again.





3.4 Enable distance Sensors (ToF sensor) Click "Other Settings".



Click "Ankle motion detection" > "Enable".

👹 HaritoraConfigurator			- 0	×
$\langle \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$		Haritora sensor	settings	
_	Sensor mode ch	lange		
Sensor mode	Mode 1	For stable geomagnetic environment. Good for actively move with 360 body rotation like dancing.		
Audio	∛ Mode 2	For unstable geomagnetic environment. Good for not so active movement just like sit, stand, wave hands (Default)		
Hacking	Ankle motion de	tection		
Expansion	€Enable	Ankle motion detection cause more power consumption. Battery life will be 20%		
	Disable	snorter.	Sub button Main button	
	Posture data tra	ansfer rate	Power ON/OFF: Main button hold down 3 sec.	
	50FPS	Bluetooth congestion problem may improve If you choose 50FPS.	Force shutdown: Main button hold down 15 sec.	
	100FPS		Main button push 10 times within 10 sec with the power ON.	
			It will start the sensor reset* procedure.	
			* Carefully to use the sensor reset. Must read online manual before do that	
			\sim	/



Senso	r mode change For stable geomagnetic environment. Good	
	Ankle motion detection warni	ng
Ankle	 Select 'Front Attach' from the 'Calibration' menu. 'Side Attach' will not work. 	
ansion	2. Lower the below-knee unit to the ankle.	
•	 Ankle motion sensor is located at the bottom. Be careful not to cover it with clothing or cable. 	Main button
Postu	4. With slippers or some shoes it will not work.	on hald down 3 sec.
•	Please read EAQ if use with shoes	ton hold down 15 sec.
	it will not vork well.	a within 10 sec
	ок	st* procedure.
		or reset.
	POLITICA	commentation before do that.

Restart Haritora Configurator.

Covering the window of the ANKEL(R) or ANKLE(L) sensor with your finger will change the length of the orange ribbon in the application.



4 Gazell Connection Perform only the first time

4.1 xecute only the first time

Connect the PC and the "Gazell Connection Dongle".



Run "mc3_dongle_pd3.exe".

Unplug the Gazell connection dongle from the computer and plug it in again.

4.2 Launch the application

Connect the PC and the "Gazell Connection Dongle".



Double-click "mc3_monitor_gui.exe".



4.3 Connect to the device

Normally, the connection is made when the sensor unit is turned on. If it does not connect automatically, please pair it.

MC3 Monitor		
COM12:0 ANKLE(L)	COM13:0 CHEST	COM8:0 ANKLE(R)
Ver.1.0.0, A07YB3 82.37, -7.46,223.74, 0	Ver.1.0.0, A0X0H1 0.17, -4.84,282.89, 0	Ver.1.0.0, A01N85 -115.08, 10.09,251.75, 0
99fps, 27mm	99fps, -1mm	99fps, 239mm
3637mV 25% Charging OL C CM AP RP 1 1 0 03 1	3618mV 22% Discharging OL C CM AP RP 1 1 0 01 0	3645mV 26% Charging OL C CM AP RP 1 1 0 05 1
Button events	Button events	Button events
click (00), click (00)	click (00), long (02)	click (00), click (00)
LE CR CM AM FR RV M GR NM DC MS RE	LE CR CM AM FR RV M GR NM DC MS RE	LE CR CM AM FR RV M GR NM DC MS RE
00 0 0 00 1 0 0 1 0 1 0 1	00 0 0 00 1 0 0 1 0 1 0 1	00 0 0 00 1 0 0 1 0 1 0 1
RSSI max/ave/min; remote	RSSI max/ave/min; remote	RSSI max/ave/min; remote
-40/-40/-42; -38/-40/-41	-41/-42/-43; -41/-43/-45	-39/-49/-58; -39/-39/-41
Update (BLE) AP modify 1:Chest V Apply	Update (BLE) AP modify 1:Chest Apply	Update (BLE) AP modify 1:Chest V Apply
COM12:1 HIP	COM13:1 KNEE(L)	COM8:1 KNEE(R)
Ver.1.0.0, A049U6	Ver.1.0.0, AOKUL2	Ver.1.0.0, AOREG4
1.54, -2.10,276.41, 0	-0.71, -1.79,334.60, 0	-0.44, -4.95,248.14, 0
99fps, -1mm	99fps, -1mm	99fps, -1mm
3631mV 24% Discharging	3609mV 20% Discharging	3600mV 19% Discharging
OL C CM AP RP	OL C CM AP RP	OL C CM AP RP
1 1 0 06 0	1 1 0 02 0	1 1 0 04 0
Button events	Button events	Button events

4.3.1 Pairing

When pairing, please do so one at a time. Doing so after all sensor units are turned on may cause problems.

If whole the window is not displayed, connect a larger monitor (1920x1080 or higher) for pairing. Once paired, 1366x768 monitor is enough for other operations.



Turn on the sensor unit and press and hold the sub button for 3 seconds. Green LED blinks at 1 Hz.



Click the Pairing button the "mc3_monitor_gui".

After a short wait, the sensor data will be displayed. Pairing is now complete.

COM53	COM54	COM55
Ver.0.0.47	Ver.0.0.47	Ver.0.0.47
CM PD	CM PD	CM PD
0 0	0 0	0 0
M PR CH	M PR CH	M PR CH
0 0 1	0 0 2	0 0 3
Mode	Mode	Mode
Sensing Pairing 0	Sensing Pairing 0	Sensing Pairing 0
Update Pairing 1	Update Pairing 1	Update Pairing 1
Channel	Channel	Channel
1 Apply	1 Apply	1 🚔 Apply

Data is displayed when connected.



If pairing failed, turn the sensor unit off and retry pairing from powering on.

4.4 Enabling the distance sensor(ToF sensor)

Enable Range Sensor.



The distance measured by the distance sensor in Sensor B (ANKLE L/R) is displayed.

				L ~
	COM4:0 ANKLE(L)	COM6:0 ANKLE(R)		
	Ver.1.0.0, A07YB3	Ver.1.0.0, A01N85		
91, 0	-1 17, 500,000 .31, 0 99fp 328mm 3690m 328 Dischargin OL C CR AP RP 1 1 0 03 1 Button events click (00), long (01)	100f		
DC MS RE	LE CR CM AM FR RV M GR NM DC MS RE	LE CR CM AM FR RV M GR NM DC MS RE		
1 0 1	00 0 0 00 1 0 0 1 0 1 0 1	00 0 0 00 1 0 0 1 0 1 0 1		
	RSSI max/ave/min; remote	RSSI max/ave/min; remote	Frame Rate	
	-31/-32/-33; -29/-30/-32	-40/-41/-43; -38/-39/-41	50fps	100fps
/	Update (BLE) 1:Chest Apply	Update (BLE) 1:Chest V Apply	RV Types	
			GRV9	GRV9+MS
	COM4:1 KNEE(R)	COM6:1 HIP	RV9	GRV6
	Ver.1.0.0, AOREG4	Ver.1.0.0, A049U6	Gyro Rate	

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help. To assure continued compliance, any changes or modifications not expressly approved by the party.Responsible for compliance could void the user's authority to operate this equipment.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

The device has been evaluated to meet general RF exposure requirement. The device can ben used in the portable exposure condition with restiction