

## **System Update Notice**

For all whom it may concern,

Following a system change notice notifications for the BalanceTutor BT100 product:

## 1. Change notice 29 Sep 2020

Following changes apply for BalanceTutor serial number A183000075 and upwards until further notice. Changes described here are more for mechanical rather than software feature updates.

#	Change Description	Reason of Change	Image	Track Changes at:
1.	Adding camera Properties: - Tilt rotational compartment - Full HD resolution - 30fps - Automatic zoom	New feature		Product assembly
2.	Adding remote controller Functions: EMERGENCY, START, STOP, SPEED, PERTURBATION ACTIVATION	New feature	Redirach  O O  O O  O O  O O  O O  O O  O O  O	Product assembly  BalanceTutor technical specification: DO-15-01-01_200929
3.	Adding Remote TAB in application settings     Shows few parameters about remote controller connection to the computer system	New feature	BalanceTutor*    Section Connection   Section   Section	Application Version 19
4.	12V power supply changed from 75W to 120W	Avoid over heat due to power consumption		Product assembly
5.	Changing computer from ARK1550 to ARK1551	Upgrade to 8 <sup>th</sup> generation CPU		Product assembly

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6.	Changing back pulley from	Increase usage reliability and		Product assembly
0.	single row to double row bearing type	durability		1 roduct assembly
7.	Adding grounding cable perturbation frame and front motor house	Remove grounding cable between perturbation frame and base frame		Product assembly
8.	Changing COP cable connector from left to right side	Cable management     Comfortability during     assembly		Product assembly
9.	Changing from HEX Rivet nut to Cage Nut	Adjustment ability during wings assembly		Product assembly
10.	Changing patient screen stand from vertical to horizontal	Increase usage durability and robustness		Product assembly
11.	Changing harness holding point from four to two points	Usability		Product assembly
12.	Placing emergency stop button to upper side of the touch screen house	- Symmetricity - Usage both operator and patient	O LG	Product assembly

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13.	Change USB location	Usability		Product assembly
14.	Changing Windows 10 operation system to Windows 10 IoT Enterprise 2019 LTSC (ESD)	<ul> <li>Graphic and video performances</li> <li>Long life update support</li> </ul>	BalanceTutor a dynamic and static postural control trainer  Serial: A183000075 Model: B7100 Ratings: 200V-240V AC 50/60Hz 10A  EIEEE TOPCONSULT 4 Alike Jean De La Bruyère 94000 Cretell, France IPX-0 RoHS compliant	OS Microsoft License  BalanceTutor technical specification: DO-15-01-01_200929
15.	Adding cable tie mounts	Cable management		Product assembly
16.	Change in few Part Numbers	Reorganization of production components.	N/A	Packing List: DO-15-01-10 200929

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## 2. Change notice 21 Jan 2020

Following changes apply for BalanceTutor serial number A183000059 and upwards until further notice. Changes described here are more for mechanical rather than software feature updates.

#	Change Description	Reason of Change	Image	Track Changes at:
1.	Part Numbers &	Reorganization of production	N/A	Packing List:
	Descriptions of all metallic	components.		DO-15-01-10_200120
	components and assemblies.			
2.	Walking surface changed	Minimize risk of shoes collision		BalanceTutor technical
	from 140cm to 156cm.	during forward walking.		specification:
				DO-15-01-01_200121
3.	Power in cable is part of	To avoid soldering process of the		Service Manual:
	Base Bridge assembly and	connected plug to the isolation		DO-15-01-12_200121
	not separate kit. Cable	transformer.		
	length adjusted using the metallic PG13.5 assembled			
	to body of the bridge.			
4.	Changing 4 load cell	Connector reliability.		Service Manual:
'-	connectors from Molex	Commedia 16macmey.		DO-15-01-12_200121
	Mini-Fit type to M12			_
	rotational lock right angle			
	connectors.			
5.	Change location of homing	Changing homing strategy from	900	BalanceTutor software
	proximity sensor to front of	mechanical offset correction to		version 18 and above
	the system.	software offset correction.		
	Removal of homing	Check new feature in		
	adjustment plate.	Settings > Technical > Treadmill.  This sensor will function as limit		
		sensor as well, instead of limit	• 🖲	
		switch that removed from this	BalanceTutor*	
		series.	DOMESTIC TOWN	
			Treadmil Position  Direction Position (Left;Forward -Positive)	
			Forwarding Forward Stackward 0 (cm) Apply	
			Conscion + 5 - jmm Edit	
			Back Motor Data Home Homing	
6.	Adding left proximity	To disable motors activity if	000	
	sensor instead of limit	platform reached to undesired left		
	switch.	limit.		
7.	Changing location of load	Easy assembly during system		Service Manual:
	cells cable connection to	installation and support.		DO-15-01-12_200121
	perturbation frame.			
			No. of the control of	
8.	Adding grounding points	Increase ground conduction.		
	for side covers.			

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9.	Changing operation system license to "Windows 10 IoT Enterprise 2016 LTSB"	Microsoft long life update support	BalanceTutor a dynamic and static postural common trainer  Seria: A183000000 Model: B1100 Ratings: 200V;240V AC 50/60Hz 10A  PX-0 RoHS compliant  BY-X-0 RoHS compliant  Ratings: 200V 240V AC 50/60Hz 10A  Ratings: 200V 240V AC 50/60Hz 10A  Ratings: 200V;240V AC	
10.	Changing rollers with Bushing principal adjustment	Assembly accuracy, reliability for long life of the transmission system.		
11.	Treadmill board changed to longer, x8 screws instead of x6 screws.	Longer effective running surface.		
12.	Adding adjustment ability of the back pulley.	Adjustment ability in case of belt misalignment with the wood board.		Service Manual: DO-15-01-12_200121
13.	Changing Rivet Nut from circular to Hexagonal in all 3 cross ribs.	To avoid a case when the screw of the side covers circles together with its matting Rivet Nut.		

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## 3. Change notice 18 Feb 2016

Switched the Microsoft operation system platform from Win8 to Win7 or Win7 Embedded for all documents released from the 1<sup>st</sup> of May 2014.

The reason for this change is the instability and vulnerability in the security of the Win8 OS, while Win7 OS has a reliable record and is most suitable and set for production.

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