

Technical datasheet NUSHU X

NUSHU X is a health wearable in the shape of shoes with integrated sensors and actuators. The shoes can analyze each step in real-time and stimulate the user at the exact moment by giving vibrations on the shoes. NUSHU X vibrotactile feedback technology can help reduce freezing of gait and decrease risk of falling.



NUSHU X	Lifetime	24 months
	Gait events accuracy	Heel Off, Flat Foot – 60 ms Toe Off, Heel Strike – 20 ms
	Gait parameters accuracy	Gait velocity – 0.08 m/s
	Power Supply / Capacity	Li-ion battery 3.7 V / 750 mAh IEC 62133-2:2017
	Memory	32 GB (~600h of recordings)
	Wireless Communication	BLE, WiFi
	Battery charging rate	Regular: 260 mA, Precharge (low voltage): 52 mA
	Wireless connection power	3 dBm
	Wi-Fi power	19.5dBm
	Weight	40g for each side
	Water and Dust Proof	IP22 – Protection against objects and particles >12.5mm and dripping water when tilted at 15°
		The device conforms with the European health, safety, and environmental protection standards.
		Contains FCC-ID: 2BDTE-NUSHU1V1
Charging Station	Mains voltage	110 – 240 V at 50 – 60 Hz
	Valid inputs	5V/3.0A, 9V/2.0A, 12V/1.5A
	Output power	15W each, 30W total
	Compatible wireless charging standard	Qi

For the best experience, carefully read and understand these Instructions for Use prior to using NUSHU X. For any inquiries, please reach out to Magnes. E-mail: support@magnes.ch