

FLEXOUND

HU MU[®]

AUGMENTED AUDIO CUSHION

SC200

USER MANUAL

Thank you for purchasing Flexound HUMU, The Augmented Audio Cushion that enables you to hear audio and feel the soundwaves.

Touch of Sound

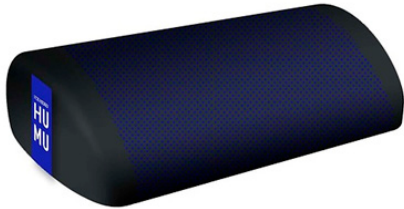
Please read this user guide carefully and keep it.

Boosted by

FLEXOUND
XPERIENCE

SC200 EN201711

WHAT'S HUMU?



HUMU is your personal Augmented Audio Cushion, providing a unique listening experience. HUMU allows you to both hear the audio and feel the sound waves simultaneously. Just connect HUMU to your smart device, computer or TV to immerse yourself in your movies, games, or music. HUMU enhances the emotions created by your favourite entertainment.

This easy-to-use audio Cushion is the first consumer product to add the sense of touch to entertainment. HUMU takes you deeper into your favourite audiovisual content by adding a new dimension to the audio experience, the ability to feel the sound waves.

HUMU utilises exclusive patented Flexound® Xperience technology. Designed and engineered in Finland.



WHAT'S IN THE BOX



1 pcs Flexound HUMU Augmented Audio Cushion
SC200

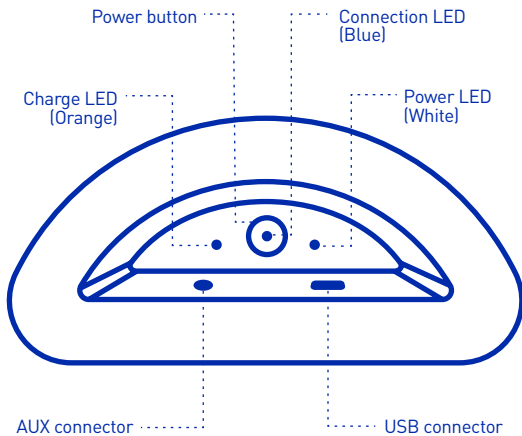


1 pcs USB charging cable



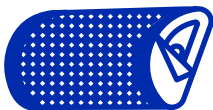
1 pcs User manual

USER INTERFACE



QUICK START

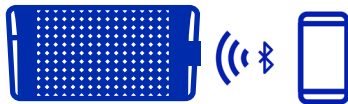
1. Open the HUMU cover pocket to find the round power button



2. Press the power button for three seconds, until you hear the indicator sound.



3. Connect to host device, either wirelessly with Bluetooth, or with a separate 3.5 mm audio cable.

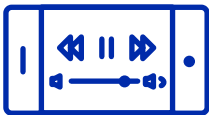


a. Bluetooth connection:

- go to host device Bluetooth settings
- switch Bluetooth ON, and select add new device
- wait a couple of seconds, until "Flexound Xperience" appears as a new device
- select HUMU to be paired with host device by selecting "Flexound Xperience"
- HUMU indicates successful Bluetooth pairing with Connected indicator sound


b. Cable connection: Use a 3,5 mm audio cable to connect to host device headphone output. Connect the cable into AUX connector (Max 2 V).


4. Start playing music from host device. Set the volume to appropriate levels, and enjoy the unique listening experience with HUMU!



WARNINGS AND PRECAUTIONS

Warning symbols below indicate important safety related information. To protect yourself and others from personal injury or damage to property it is essential that you always read the warnings and information provided.

 **Warning** If the product is used without observing the information given under this symbol, injury or death may result.

 **Caution** If the product is used without observing the information given under this symbol, minor personal injury or damage to the equipment may result.

READ AND FOLLOW THESE INSTRUCTIONS

Intended use: HUMU Augmented Audio Cushion is intended for experiencing audio through hearing and touch, by keeping it close to your head, shoulders, or body. It is strong and durable, soft high-tech audio device. Still, handle HUMU with respect and care.

 **Warning**

- Do not step, stand or sit on the product. Do not drop, toss it around. These may cause malfunction, electric shock, fire or injuries.
- For charging safety, use only FCC, CE or CCC approved USB chargers (output current at least 500 mA). Use the included USB cable. Use of defective USB charger or cable may lead to electrical shock and/or damage to HUMU, and is not covered by the warranty.
- Do not place any sources of danger on the product (e.g. heavy or liquid filled objects, sources of heat or fire). Do not place foreign objects inside the product or its connectors. These may cause electric shock, fire or injuries.

- Use a low enough volume to avoid too intense vibration that you perceive uncomfortable, and/or to prevent damage to hearing.
- Do not let children to use product without supervision, to avoid danger of asphyxiation, in case cable winds around children's neck.
- Do not cover product when in use to avoid overheating. Do not use product in heated places like in direct sunshine, or when left inside a car in sunshine. Overheating may cause damage, fire, or electric shock.
- Product includes magnets. If you have an implanted medical device, consult with a doctor before using this product.

 **Caution**

- The product is designed for home environment and indoor use only.
- Do not leave product unattended when its battery is charging.
- Do not use this product in a wet or dusty environment. Product shall not get wet with any liquid such as water.
- Clean the cover with a moist cloth if needed. The cover can be removed and washed separately. For further instructions see the maintenance section.
- Do not disassemble the product, as it contains dedicated fine-tuned components. Doing so will make warranty invalid.
- Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped or smashed.

USING HUMU



You can use HUMU in different positions but it is designed to use as in the picture above. Stereo Left channel (L) in HUMU is in the pocket side end, the right channel (R) is in the handle end. HUMU is soft and flexible so that you can bend it to find a comfortable listening experience, but do not use heavy weight on it or twist it excessively, as it contains carefully tuned mechanical and acoustical parts that may be damaged.

HUMU listening experience depends also on the surface where it is lying on. A soft surface e. g. on a sofa vibrates and resonates together with HUMU, and enhances the feeling of sound waves. Try different locations and orientations of HUMU, and discover your favourite listening setups!

POWER ON AND OFF

Switch the power on by pressing the Power button for 1 - 2 seconds. When the power is set on, the Power Led blinks and you will hear and feel the HUMU Power-On sound.

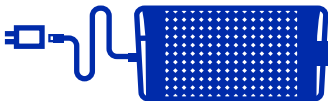


LOW BATTERY

Voltage of the battery is low when you start hearing a Low voltage sound indicator every 3 minutes, and the Power Led and Charge Led are flashing. HUMU continues operation, but needs charging. Switch the power off by pressing the Power button 1 - 2 seconds. When the power is set off the Power Led flashes once in 1 seconds and you hear and feel the HUMU Power Down sound.

CHARGING

You can use any standard USB charging (e. g. mobile phone charger, computer USB port) to charge the battery of HUMU.



Connect the USB charging cable to the micro USB Charger port of HUMU, and then connect the cable to charger USB port. The battery is full charged when the Charging Led is turned off. Charging time is approx. three hours, depending on the charger.

Warning

Use only high quality chargers to guarantee safety and prevent electrical shock.

BLUETOOTH CONNECTION

You can connect HUMU to a Bluetooth audio equipped master device such as a smart phone, a lap top computer or a tablet computer. See user manual of your device how to use its Bluetooth.

Pairing

When HUMU is turned on for the first time, it will enter pairing mode automatically.

You can set HUMU to the pairing mode by restarting it, and pressing the **Power Button for 4 seconds** to start pairing to another master device.

When HUMU is in pairing mode the Power Led and the Connection Led are flashing on and off.

Choose "Flexound Xperience" in your device to pair it with HUMU.

When HUMU is connected to the master device you hear the HUMU Connected indicator sound, and the Power Led starts flashing slowly every 4 seconds.

When HUMU has already been paired with a master device and HUMU is turned on, it enters automatically to discoverable mode to reconnect with a master device. When HUMU is in discoverable mode, the Power Led and the Connection Led are flashing on and off repeatedly similarly in as in the pairing mode.

HUMU will stay in the discoverable mode or the pairing mode for 5 minutes. If HUMU cannot connect to a master device within 5 minutes, it will automatically turn off to save battery.

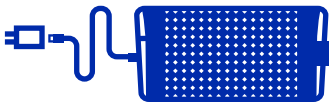
Bluetooth link lost

In case of losing Bluetooth connection to a master device, the Connection Led in HUMU's control panel flashes repeatedly and HUMU enters automatically in discoverable mode for reconnecting with a master device.

Paired device list (PDL)

HUMU can remember last eight paired connections to different master devices in its Paired Device List (PDL) for automatic reconnection to a master device.

Sometimes HUMU stays in automatic reconnection mode, and refuses to accept new pairing. In such case, you need to erase the PDL, and force HUMU to seek new devices. Turn HUMU off, and restart it by pressing the **Power Button for over 8 seconds**. During the erasing of the PDL the Power Led flashes fast on and off twice and you will hear an indicator sound. After that HUMU will enter pairing mode automatically.



Auxiliary connection (AUX)

With a separate 3.5 mm AUX cable, you can also connect HUMU with a host device, such as TV. Plugging in the AUX cable disables the Bluetooth connection, and audio is transmitted via the cable only.

When a cable connector is connected in the Auxiliary Audio Signal Input port, HUMU's Bluetooth receiver is turned off, and Connection LED is illuminated. Note that while using AUX cable, HUMU **will not turn off automatically** to save power, as is the case with inactive Bluetooth connection.

MAINTENANCE

HUMU does not need any specific maintenance. Only the battery needs to be charged around every 8 hours of use.

If you need to extend operation time of HUMU you can connect an external Power Bank to the Micro USB Charging port, if regular charging is not possible. Small power bank fits to HUMU pocket, allowing charging also during use.

Cleaning the cover

If you need to clean the cover of HUMU use a moist wiper. Do not alter HUMU to any strong washing agents.

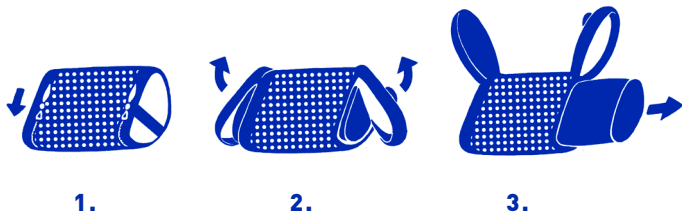
Cover can also be removed and washed separately if needed. To **remove cover**

- locate the zipper ends in the bottom; use a needle as a tool to grab the zipper handles from the small pocket
- open zippers, and carefully pull the cover out (see Picture)
- Please be careful not to open the inner textile, as HUMU contains dedicated fine tuned structures that may get damaged if opened or disassembled

To **install cover back** on HUMU, pull it gently over HUMU, paying attention that the cover fits properly and straight on HUMU. Then close the zippers, and hide the zipper handles to their pockets.

Washing instructions for the cover:

30 degrees, hand wash or gentle synthetic programme in washing machine, no tumble dry, stretch humid to form. Wash separately. No ironing.



Removing HUMU cover.

LED LIGHT INDICATORS

LED INDICATOR	HUMU STATUS	NOTE
Power LED blinking slowly	Power on, Bluetooth connected	Normal use
Blue and white LED blinking	Bluetooth seeking host device	HUMU needs to be connected with either Bluetooth or an AUX cable.
Blue and orange LED blinking	Low battery	You can continue to use HUMU but it needs to be charged soon.
Orange LED on	Charging	You can use HUMU while charging, however, this will lengthen the charging time. For faster charging, turn HUMU off.
White LED on	AUX cable connected	Bluetooth is OFF and audio is received through the AUX input.

For further instructions and information, see www.humu.fi and www.flexound.com.

TROUBLESHOOTING

HUMU IS	CHECK THAT	TRY
not turning on.	HUMU is charged, and that you do not press the power button only briefly.	charging HUMU again or pressing the power button longer.
having faint or no sound.	the host device volume is not muted and that the host device has an audio connection to HUMU	turning volume up and/or reconnecting the host device to HUMU.
not creating a soundwave vibration.	[Not all audio signals (or music) have sufficiently low frequencies to cause vibrations.]	increasing volume, since the sense of touch will not pick up sounds at a very low volume – or try changing the music.
not connecting to a host device.	the host device has a Bluetooth audio connection to HUMU, and is not connected to some other device.	pressing the power button for 3 seconds to start new pairing, or for 8 seconds to reset HUMU connection memory.
switching off, not producing sound or vibration although the Power LED is on.	your host device output to AUX input does not exceed 2 V	connecting the USB charging cable to the USB connector for 2 seconds to reset overcurrent protection.

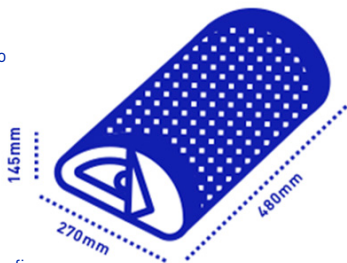
HUMU IS	CHECK THAT	TRY
not connecting to host device.	HUMU is charged, and that you do not press the power button down too fast.	charging HUMU again or pressing the power button longer.
	if another host device has been paired with HUMU.	<p>Sometimes your (another) host device is in idle mode, but still has Bluetooth on and active.</p> <ol style="list-style-type: none"> 1) Switch off the other host device Bluetooth. If necessary, remove pairing of HUMU from that device. 2) Force HUMU to pair again with your active host device. Restart HUMU by pressing the power button for 4 seconds continuously, and see white led flashing twice and hear an indicator sound. Then try to pair with HUMU again.
	Several devices have been paired with HUMU (HUMU can remember up to eight host devices).	<p>Sometimes your (another) host device is in idle mode, but still has Bluetooth on and active. This keeps it paired with HUMU unintentionally, and prevents HUMU to be connected with your active host device.</p> <p>Clear Bluetooth list from HUMU by pressing the power button for more than 8 seconds, and see white led flashing four times and hear and feel an indicator sound.</p>

SPECIFICATIONS

Physical dimensions: 480 mm x 270 mm x 145 mm
Weight: 1.5 kg
Battery: Lithium Polymer 3.7 V, 5.5 Wh;
up to 8 hours with moderate volume level
Bluetooth: 4.2, A2DP audio protocol;
connection distance of 10m
AUX: 3.5 mm socket for stereo line in
Operation ambient temperature: 0°C to 35°C, non-condensing
Certificates: CCC, CE and FCC

MANUFACTURER

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Espoo, Finland
humu@flexound.com
For further instruction, see www.humu.fi
Tech support contact humu@flexound.com
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WARRANTY

Flexound Systems Ltd. warrants the product against evident defects in material and workmanship for a period of one year from the date of original purchase for use. This warranty does not cover electrical or mechanical damage resulting from misuse or abuse, lack of reasonable care, damage due to force majeure or natural forces, or inadequate repairs performed by unauthorized service centers. Batteries and wear of parts due to normal use are not covered by this warranty.

Shipment of the defected item for repair under this warranty will be at the customer's own risk and expense. This warranty is valid for the original purchaser as the final user only.

Thank you so much for your purchase!

Let's start feeling music!

Flexound Systems Ltd.

Espoo, Finland

humu@flexound.com

For further instruction, see www.humu.fi or www.flexound.com

Tech support contact humu@flexound.com

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