Losonnante

DATASHEET

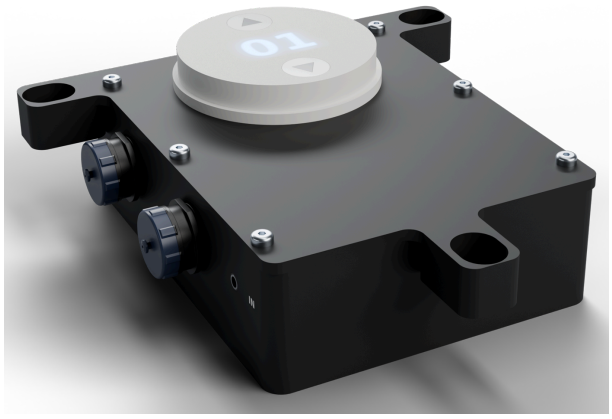
Harmony Player

Audio player built into the Harmony seat

Ref. HM-PL · Harmony range

Rev. 1.0 · November 2026

The Harmony Player is the player of the Harmony range. Built into the backrest of the Harmony seat or into custom furniture, it drives the Harmony Speaker, which plays sound through the back of the head. Its round interface, flush with the backrest, shows the track number and is operated with two buttons.

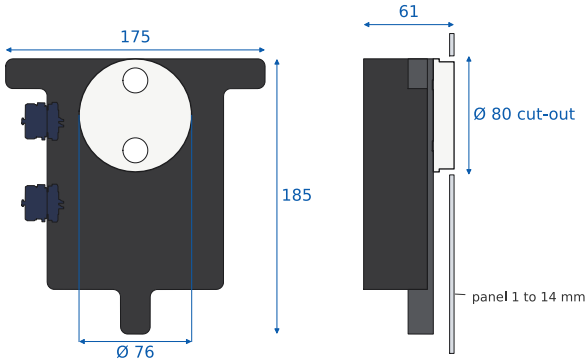


KEY FEATURES

- Audio player and live mode (Player or Live)
- Sealed output to the Harmony Speaker: 4 transducers and pressure sensor
- Jack audio input for live broadcast
- Flush round interface: LED matrix and 2 up / down buttons
- Built into the Harmony seat or into custom furniture

Applications: museums and cultural venues, leisure parks, festivals and events, tourist sites, urban furniture.

DIMENSIONS



Front view — **Side view**

Flush UI face · 3 × M6 fixings

Dimensions in mm

CONNECTIONS	
Power	Sealed Weipu SP17 2-pin connector, 12 V DC
Speaker	Sealed Weipu SP17 9-pin connector
Audio input	3.5 mm female jack, marked IN

COMPLIANCE	
Marking	CE, WEEE · made in France
Electrical safety	EN 62368-1:2014 + A11:2017
EMC and radio	EN 55032 class B, EN 61000-6-1/-2, ETSI EN 301 489

MECHANICAL	
Dimensions (W × H × D)	175 × 185 × 61 mm (cover), housing 119 × 155 mm
Weight	≈ 0.7 kg (excluding mains adapter)
Integration cut-out	Ø 80 mm, Ø 76 face flush
Panel thickness	1 to 14 mm (thicker: counterbore from the back)
Mounting	3 M6 studs or threaded rods at the back of the panel, setting nuts, ± 4 mm adjustment
Clearance	61 mm deep behind the face; ≥ 40 mm on the connector side
Housing and cover	Black PLA
Interface	White PLA face, white PETG buttons with black arrows

ENVIRONMENT	
Operating temperature	−20 °C to +55 °C
Sealing	O-rings (face – cover, cover – housing), sealed connectors
Fire safety	EN 62368-1 compliant – low-power circuits (PS2), V-1 or better circuit boards

ELECTRICAL	
Power supply	12 V DC, 5 A max, from a sealed 60 W mains adapter
Mains cable	5 m, IP67 sealed connectors
Electrical class	Class III (SELV 12 V DC); class II mains adapter
Protections	Short circuit, overload, overvoltage
Power consumption	40 W max · 6 W average · 3 W standby

AUDIO	
Output	Audio cable to the Harmony Speaker: drives its 4 transducers and its pressure sensor
Input	3.5 mm stereo jack, dedicated sound card
Live mode	Live broadcast of the input, latency ≈ 0.1 s
Processing	10-band equaliser, bone-conduction compensation
Compatible speaker	Harmony Speaker, 8-core cable, 1 m

COMPUTING	
Embedded computer	64-bit quad-core 1.8 GHz processor, 1 GB RAM, 2.4 / 5 GHz Wi-Fi
Storage	microSD 16 GB
Audio formats	MP3, WAV, OGG; unlimited number of tracks
Network	Built-in Wi-Fi access point
Settings	FR / EN web interface: volume, brightness, tracks, Player / Live
Updates	Encrypted file, automatic rollback
Clock	Real-time clock, coin-cell backup
Reliability	24/7, automatic restart after power loss

USER INTERFACE	
Display	LED matrix seen through the face: track number, messages, animations
Controls	2 push buttons: up / down