

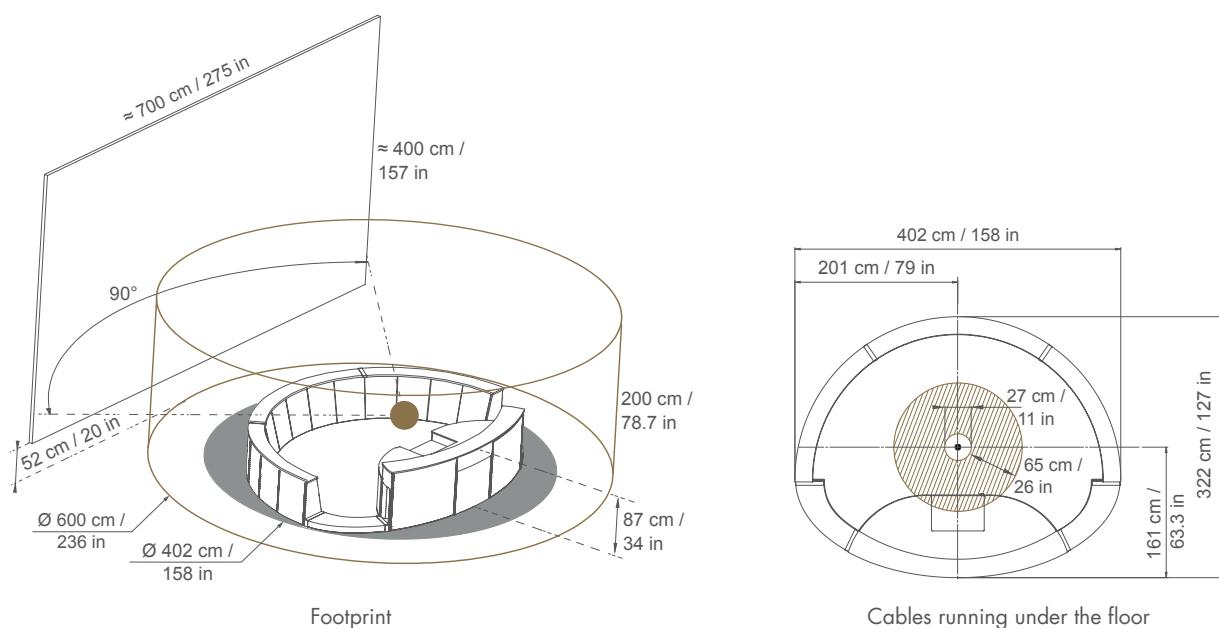
The Island is a high-end personal sound installation designed to reproduce live concerts in a self-contained unit. The hand-made casing holds eighteen monitor speakers and two concert subwoofers powered by twenty network-controlled amplification channels (20 kW).

The Island is designed by Christian Heil and manufactured by L-Acoustics.

GENERAL

Bandwidth	15 Hz - 20 kHz
Maximum SPL	140 dB peak at the sweetspot (using pink noise with crest factor 4) 20 dB LF contour 20 dB SPL rejection outside the installation
Speaker system	13 frontal speakers - 15° angular step over 180° 5 rear speakers - 30° angular step over 180° 2 subwoofers (rear)
Amplification and power supply	professional-grade amplified controllers 1 L-ISA power
Control and user interface	1 Bubble deck with wireless volume remote 1 user plate L-ISA player app for iPad® (free download on the App Store) 1 L-ISA player
Limitless 360° rotation	2 three-phase asynchronous 90 W motors
Connectors	1 Ethernet etherCON (1 Gb/s) 1 connection box for 110 V or 220 V mains
Material	first grade Baltic beech and birch plywood
Finish	Natural: light grain wood with clear coating Midnight: dark-stained, grain wood with clear coating Pure: natural wood, without coating Custom: color and coating on request
Option	Freedom: mattress, bolster and topper from Savoir Beds™ with Alcantara® fabric covers (5141 String or 6422 Anthracite) - other materials and colors on request
Weight (net)	1050 kg / 2315 lb (distributed on the rail and the center plate) with mattress: 1200 kg / 2646 lb

DIMENSIONS AND ROTATION POINT



ENVIRONMENTAL REQUIREMENTS

Temperature	storage: -20° C to 45° C (-4° F to 113° F) operation: 10° C to 35° C (50° F to 95° F)
Relative humidity	20% to 90% (no condensation)
Floor flatness	Floor discrepancies must be smaller than 5 mm (0.2 in) over 20 cm (8 in).

SPEAKER SYSTEM

	13 frontal speakers	5 rear speakers	2 subwoofers
Bandwidth	60 Hz - 20 kHz	60 Hz - 20 kHz	15 Hz - 150 Hz
Maximum SPL	129 dB ¹	124 dB ¹	138 dB ²
Nominal directivity	100° axisymmetric	100° axisymmetric	standard
Transducers	LF: 1 × 8" HF: 1 × 1.5" neodymium	LF: 1 × 6.5" HF: 1 × 1" neodymium	LF: 1 × 18" neodymium
Acoustical load	bass-reflex design	bass-reflex design	bass-reflex design with laminar vents

¹ Peak level at 1 m under free field conditions using pink noise with crest factor 4.

² Peak level at 1 m under half space conditions using pink noise with crest factor 4.

AMPLIFICATION AND POWER SUPPLY

Output power EIA	1000 W RMS (all channels driven for more than 200 ms)
Amplification channels	24 high-efficiency class-D amplification channels (including high-level zone)
Mains rating	100 - 240 V~ ±10%, 50-60 Hz (independent universal SMPS with PFC)
Current values	110 V: 30 A 220 V: 16 A
Frequency response	20 Hz - 20 kHz ± 0.25 dB at 8 Ω
DSP engine	32-bit floating point processing, 96 kHz sampling rate IIR and FIR EQ algorithms
Inputs	AVB, AES/EBU and analog
Maximum analog input level	22 dBu (balanced, THD 1%)
A/D conversion	24-bit / 96 kHz cascaded A/D converters, 128 dB dynamic range
Output dynamic range	110 dB (20 Hz - 20 kHz, A-weighted)
Channel separation	> 90 dB
Protection	L-DRIVE algorithm
Diagnosis	load monitoring

CONTROL AND USER INTERFACE

	Bubble deck with Remote	user plate
Controls	Bubbles activation, playback, volume, mute	on/off, rotate Island left/right
Communication	Ethernet and Bluetooth	Ethernet
Power	power over Ethernet, battery-powered Remote with inductive charging	
Connectors	1 RJ45	1 USB, RCA stereo audio

L-ISA PLAYER

Audio resolution	high resolution - 24-bit / 96 kHz
Communication	dual-port Ethernet card
Protection	data encryption of all content
Inputs	scalable number of analog or digital audio inputs for third party content
Outputs	24 digital output channels
Control options	Bubble deck, L-ISA player app, CRESTRON® and EXTRON® modules, A/V control systems

L-ISA PLAYER APP

Controls	source selection (Bubbles library or external), playback, volume, mute
Communication	WiFi
Service and diagnosis	firmware update, system status