



Habitat1
Wireless
sub bass system

REL
Acoustics Ltd.



Habitat1 is a brilliant new concept that takes sub bass to new levels by incorporating the room, your Habitat, into our design. It is common in design circles to speak of taking the room into account, but never has the complete system approach employed by REL been utilized so utterly to one singular purpose. Perfect, deep bass of the sort that would never expect to emanate almost invisibly from somewhere hidden within the room.

The complete absence of wires needed to move the signal flawlessly from player to Habitat1 is key to this execution. REL's Longbow™ employs a new state of the art chip that, unlike virtually every other design, has ZERO



compression. Hence the fidelity to the original event is retained perfectly and delay is minimized. Result? Crisp, clear bass in perfect time with the music or film.

Starting with a clean sheet of paper, we designed custom bass mini-engines to produce truly awe-inspiring bass in an ultra-thin envelope. We then put the wall to use, reinforcing and extending the output in harmony with your room's acoustics. Clever.

Experience the perfect fusion of style and high performance low bass, embodied in a design intended to encourage functional invisibility. Though if you do happen to notice it, the eye will delight in the form it embraces! Habitat1.

Habitat1/Longbow™ Wireless Transmitter

Longbow permits use of the full complement of REL connectivity, including wireless transmission of BOTH High Level and .1/LFE concurrently, thereby producing the rich, full bass weight missing from conventional subwoofers.

Automatic detection and pairing is an important component to the REL approach. Simply plug both Habitat1 and Longbow Wireless Transmitter in within 30 seconds of each other and they will seek each other out and auto pair. Forgot to do so in time? No issue, simply flick the pairing toggle on each unit and pairing will occur within seconds.

Ease of installation is another important criterion; we spent months engineering the mounting hardware to permit easy and accurate mounting of Habitat1 onto a variety of wall structures including masonry or brick walls, modern sheet rock and stud construction.



Left: Rear of Habitat1 showing mounting brackets, 10" passive radiator, conventional wired inputs

Bottom Left: Optional Habitat1 floor mount, when wall mounting is simply not an option

Below: Rear panel of Longbow Wireless Transmitter featuring High Level, .1/LFE and Low Level inputs. High Level and .1/LFE can be run concurrently to permit REL Reference Theater operation that re-establishes consistent, full range bass in addition to special effects bass



Habitat1/Longbow Wireless Transmitter Specifications		Protection System		Longbow Wireless Transmitter	
Habitat1		Fully Electronic		Input Connectors:	
Type:	Sealed, two front-firing active woofers, one rear-firing passive radiator	SET-SAFE:	Yes	High Level Neutrik Speakon	
Drive Unit:	Two 6.5 in., 165 mm long-throw, steel chassis	D.C. Fault:	Yes	Low Level single phono	
Passive Unit:	10 in., steel chassis	Output Short:	Yes	.1/LFE single phono	
Lower Frequency Response:	30Hz at -6dB in room	Mains Input Voltage:	100-240V	Input Impedance:	
Input Connectors:	High Level Neutrik Speakon	Fuse:	1.6A for 230V operation	High Level:	
	Low Level single phono		3.16A for 120V operation	Low Level:	
	.1/LFE single phono	Power Consumption:	16.3 Watts for 120V operation	.1/LFE:	
Input Impedance			19 Watts for 230V operation	Wireless Output Power:	
High Level:	150k ohms	Dimensions (WHD):	When mains switch is turned off, unit draws no power	11dBm	
Low Level:	10k ohms	Net Weight:		Wireless Effective Distance:	
.1/LFE:	10k ohms	Finish:	25 x 16 x 4.5 in., (635 x 406 x 114 mm)	50 ft (15.2 meters) with clear line of site	
Gain Control Range:	80dB	Supplied Accessories		30 ft (9.1 meters) with single stud wall between transmitter and receiver	
Power Output:	150 Watts (RMS)	Mains Lead:	50lbs. (23kg)	Mains Input Voltage Adaptor:	
Phase Switch:	Yes, 0 or 180 degrees	Neutrik Speakon Interconnect:	Gloss Piano Black or Gloss White Lacquer	9V DC; 5.5 mm circular connector, positive center, included	
Amplifier Type:	Class D	User Manual:	Yes	Power Consumption:	
				600 mW	
				Dimensions (WHD):	
				6 x 2 x 6.5 in., (152.4 x 50.8 x 165 mm)	
				Finish:	
				Gloss Piano Black or Gloss White Lacquer	
				Supplied Accessories	
				Power Adaptor:	
				Yes	

In the interest of product development, REL Acoustics Limited reserve the right to vary these specifications without notice.