



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

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