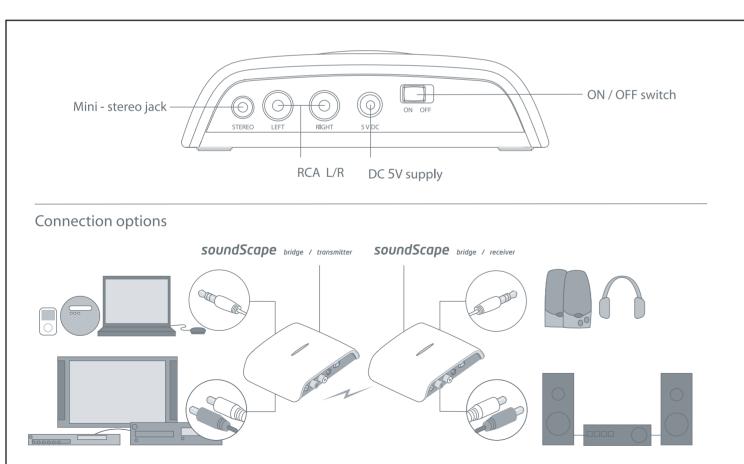


FRONT



Technical description of product wireless operations





Soundscape Bridge operates in transmitter or receiver modes. The analog audio signal from your stereo audio player is converted to digital 16-bit, 48KHz sampling data and transmitted to the slave receiver using proprietary radio frequency (RF) protocol in the 2.4GHz ISM band.





The receiver receives the digital data, does error correction and if necessary, requests re-transmission from the transmitter unit. This maintains the integrity of the data stream and results in robust, interference-free operations. The receiver converts the recovered data stream into analog audio signal that is then re-produced in speakers or headphones. No compression (or degradation) of the audio signal is involved either at transmitter or receiver modules.



VConnect[™] technology uses intelligent Adaptive Frequency Hopping (AFH) to co-exist and avoid other RF devices in the vicinity that operate at the same 2.4GHz ISM frequency band. It continuously hops between 38 channels to find channels with the lowest data packet losses. When an operating channel results in unacceptable packet loss, that channel is removed from the list of frequency channels used by the frequency scanning algorithm.

Technical	specifications

Indoor 10m – 20m robust performance Range Battery Life 4xAA Tx – 25 hrs, Rx – 50 hrs typical

Frequency 2.4GHz ISM band

Encoding 16-bit, 48KHz digital encoding, uncompressed

S/N Ratio

Audio Inputs 2-channel, L+R, single master – slave pairing RF Channels 38 virtual channels, adaptive frequency hopping

Typical 19ms delay Latency

3 Science Park Drive

FCC Regulatory Information

Radio Frequency Interface Requirements

Note: This equipment has been tested and found to comply with Part 15 of the Note: This equipment has been tested and found to comply with Part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the maintenance manual, may cause harmful interference to radio communications. There is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, the user is encouraged to consult the dealer or an experienced radio / TV technician for help.

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following 2 conditions: (1) this equipment may not cause harmful interference, and (2) this equipment must accept any interference received, including interference that may cause undesired operation. Any changes and modifications made without the approval by the party responsible for compliance could void the user's authority to operate this equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications made by the user to this equipment. Such modifications could void the user's authority to operate the equipment.



The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be colocated or operating in conjunction with any other antenna or transmitter.



FCC IDs: UMMVC430H06M and UMMVC430H06S