

Technical Description:

Bluespoon AX2 is a new wireless headset supporting Bluetooth® functionality. The headset is designed with size, power consumption and functionality and cost, in mind.

The headset supports the headset and handsfree profile according to the specification v. 1.2.

The headset design is based on a BC03Audio Flash qualified chip-set from Cambridge Silicon Radio (CSR). In addition to this Nextlink.to A/S has added the necessary component to support headset functionality by adding protection circuit, lithium Ion charger, regulators, microphone, speaker and passive components. As mentioned earlier this was done having size and power consumption in mind.

The unit is powered by a Coin-cell Lithium Ion battery. This battery delivers 3.6 volts and has around 75 mAh of capacity. The charging is done through a USB connector integrated in the headset. The charging time is around 1-2 hours.

The mechanical design origins from previous Bluespoon product designs that is based on a teaspoon. Thereby it got its name BlueSpoon. The microphone is located in the little “nose” just beside the users ear. Using a uni-directional microphone gives a satisfying signal-to-noise ratio even in a noisy environment.

The unit is attached to the users ear by a spring that is bended along the cavum conchae and cimba conchae. This gives the user a good fit and makes the unit stable in the ear. The headset can be used both on the right and on the left ear. The headset is controlled through three button interface. The headset has an end-user interchangeable battery.