

OPERATIONAL DESCRIPTION

The patented and stylish ergonomic design of the STEP 1100 headset promotes comfort and communication clarity by utilizing STEP's advanced noise cancellation technology, greatly reducing wind noise and surrounding sounds and providing the user with a truly hands-free experience.

Our headset incorporates a "No boom microphone" in the lightweight and compact design, which weighs less than 22 grams. Within our design we have incorporated a lithium-polymer battery that provides up to 4 hours talk time and 120 hours of standby time. The charging circuit incorporates an ADI single cell lithium battery charger IC.

The headset uses GFSK modulation and communicates with other Bluetooth devices that use the headset profile version 1.1. This model is a BT class II device, which receives between 2.401-2.480GHz frequencies hopping that, oscillates with interim frequency. We utilize 79 channels with 1MHz spacing. We also utilize a wire antenna as the antenna type in this model.

The user is able to answer, initiate or end calls, increase or decrease volume, and mute/un-mute the microphone all with the simple touch of a single versatile button/rocker control.