



# CPX HS200

## Wireless Headset for In-Flight PA Announcements and Entertainment

*Engineered for Reliable and Clear Communication  
In High-Noise Environments*

The CPX Wireless Intercommunication System is built on Axnes' next-generation technology platform and engineered for **mission-critical aviation operations** and **passenger transport**. Designed to elevate both **full-duplex** crew communication and Passenger Address (PA) capabilities, CPX delivers certified performance, **high speech intelligibility**, improved comfort, and **seamless integration** within today's advanced aircraft cabins. Leveraging more than 30 years of Axnes wireless innovation, the CPX system combines proven ruggedness with **cutting-edge digital technology**.

The wireless headset HS200 stands out with its **high passive noise attenuation**, ANR functionality for increased comfort, as well as the ability to **wirelessly receive immediate downlink PA announcements**. Passengers can also enjoy **access to music**, either through a headset-integrated **music player** with a dedicated UI or via **BT-streaming**. Altogether, this makes the HS200 **purpose-built** for reliable passenger announcements, effective hearing protection, and in-cabin entertainment in high-noise environments.

HS200 is controlled by the CPX BST250 base station, which supports up to **50 simultaneously connected headsets**.

### CPX SYSTEM FEATURES

- Operating in unlicensed frequency band 1880-1930 MHz, regional dependencies
- Secure encrypted waveform
- Typical 250 m LOS range
- Low latency ("lip-sync")
- Flexible and scalable design

### MECHANICS

- Dimensions: 120 x 220 x 95 mm
- Weight < 600 g
- Adjustable fit
- Customer replaceable parts

### POWER

- 12 hours operating time
- Integrated batteries
- 6 hours charging time
- 600 charging cycles

### CPX PRODUCT COMPATIBILITY

- Base Station BST250
- Coexistence with headset HS250
- Charging Module CM220

### TARGETED REGIONS

- Europe
- UK
- North America
- Australia
- Brazil
- More TBD

### INTERFACES

- USB-C for charging, administration, and uploading
- Bluetooth 5.x for streaming of music from phone (Android/iOS)

### GENERAL

- Prioritized PA downlink messaging, no microphone
- Up to 50 simultaneously connected headsets per base station
- RX/TX MIMO
- Operating temperature: -20 to +45 °C
- IP67 rating
- DO-160G

### HEARING PROTECTION

- Passive, SNR=33 dB
- Active Noise Reduction (ANR)
- Compatible with NFMI-earplugs

### MUSIC PLAYER

- Headset integrated UI
- Up to 32 hours of content

### UI – General

- LED indicating connection, charging, and power status
- Voice messages

### UI – Left Cup

- "o" = Power on button with LED
- "+" = Volume up
- "-" = Volume down

### UI – Right Cup (Music Player)

- Play/Pause
- Next Category
- Next Track

**HS200** – Member of the CPX Product Family

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