

APPI-CovR

Full-duplex noise-cancelling communication headset

Product description

APPI-CovR embeds a long-range conference mode radio and a Man-down detector into a noise-cancelling headset, providing simplicity and safety.



Main features

- Hands-free conference mode with unlimited number of talkers.
- Range: up to 3.8Km (2.3mi) on a self-deployed and secured digital network
- Attenuation : 31dB
- Exclusive full-duplex technology: no fixed nor mobile base (SyncALL® patent)
- Lone Worker Protection: Man-down alert with relay through smartphone
- Confidentiality: digitally coded / each group has its own ID
- Versions: Headband or Helmet mounted (30mm inserts)
- Removable rubber covers : +3dB (IsoSkin® patent)

Technical specifications

Radio range : up to 3800m (2.3mi) LOS
Frequencies : 863-870 MHz CE / 902-928 MHz (FCC/IC)
Number of channels : 19 (CE) / 32 (FCC/IC)
Power transmission : <500mW TDMA
Radio Certification : CE : ETSI EN 300 228 & 300 220-2 / FCC/IC part 15.247 / KDB 996369 D04
Modulation : FM, Class I : no restriction
Electromagnetic Compatibility: ETSI EN 301 489-17 & ETSI EN 301 489-3 EN 62311
Electrical parameters: IEC 62368-1: 2014
SAR value (head): CE: 0.049W/kg (limit: 2W/Kg) / FCC/IC: 0.059W/Kg (limit: 1.6W/Kg)
Bluetooth: Audio with GSM Gateway, Class II
Compatibility: APPI-Com (> V3.4) / APPI-Smart
Beeper/pager: yes
Man-down alert: yes plus relay through smartphone (APPI-Smart)
Noise attenuation (average): 30.77dB
DSP noise filters: White noise: -12dB / SingleTone: -30dB / Siren: -20dB
Battery life: 24h to 30h / Charge : USB (Up to 8h)
Battery : Li-ion -3.6V / 16.92 Wh
Dimensions (helmet mounted) : 200x180x110mm (8.66x7.08x4.33")
Weight : Without IsoSkin : 450g / 15.87 Oz / With IsoSkin : 575g / 20.28 Oz
Operating temperature (Celcius) : -20°C /+50°C
Charging temperature : Below 45°C

Attenuation values per frequency band

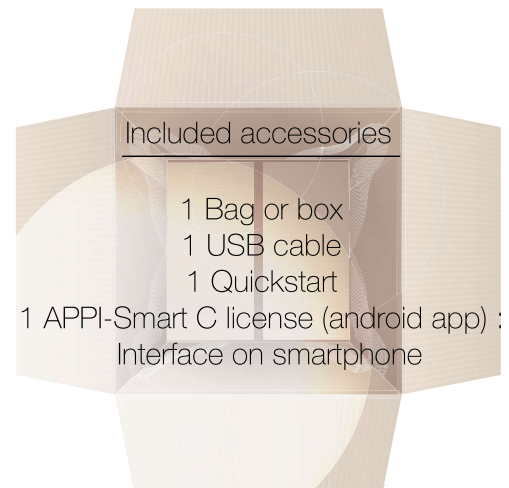
| Attenuation VS frequency | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | 8000Hz | Mean Attenuation |
|--------------------------|-------|-------|-------|--------|--------|--------|--------|------------------|
| Without Isoskin | 6.49 | 10.74 | 24.37 | 31.19 | 26.38 | 34.08 | 38.28 | 27.02 dB |
| With Isoskin | 10.70 | 15.73 | 26.60 | 32.88 | 30.13 | 38.08 | 46.56 | 30.77 dB |

Product range

| Zone | Prefix | Headband / Helmet | IsoSkin color | Antenna |
|----------|----------|-------------------|----------------------|--------------|
| CE | BS-ACO- | HB/HL | BK/GR/KY/BL/YE/RD/OR | 01/02/03 |
| USA / CA | BS-ACOU- | HB/HL | BK/GR/KY/BL/YE/RD/OR | 01US/02US/03 |



Please make sure that ordered product complies with your country radio regulation



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