

## AirTalk NBD



Part-No.: 0340300-xx



How to wear / Air-Traffic-Controller

The AirTalk NBD, a lightweight binaural neck holder headset is customized for the requirements of professional use in the field of ATC. The outstanding feature of the AirTalk NB series is the connection to the earlap, called Open-Ear-Gain Technology, well known in the industry of hearing aids.

Thanks to the Open-Ear-Gain Technology, the ear is not covered by an earpiece or ear olive and still able to receive environmental noises. A soft silicone acoustic tube conducts the sound from the speaker to the earlap. There, the natural amplifying task of a humans ear transmits the sound and keeps it constant at approx. 17 dB. That way, an optimum ratio between voice signal and noise is always achieved.

The AirTalk NBD is a prime solution approved in the field of Air Traffic Control. This headset offers Acoustic-Shock-Protection (ASP) to shield the ears from increased noise levels. A raised edge, located on the top side of the microphone marks its position and allows both, accurate direction and optimum noise compensation.

### Technical data:

#### **Microphone:**

Pattern:	electret
Directional:	omni-directional
Impedance:	2200 Ohm
Sensitivity:	-40 dB V / Pa, 1 kHz
Frequency range:	100 Hz – 10 kHz

#### **Speaker:**

Type:	magnetic
Impedance:	250 Ohm at 1 mW / 1 kHz
Sound pressure level:	max. 117 dB
Frequency range:	100 Hz – 4 kHz

#### **Send button incl. amplifier (PTT-13):**

Housing:	PC/ABS T45, black
Life cycle PTT:	min. 10.000.000 cycles
Protection class:	IP43 <sup>1</sup>
Operating voltage:	+/- 12 V
Power input:	15 mA
Distortion:	0,2 %
Amplification:	approx. 28 dB
MTBF:	approx. 100.000 h

#### **Additional data:**

Temperature range:	-20°C to +70°C
Weight:	130 g (incl. PTT button)

<sup>1</sup> Protection class: DIN EN 61058-1 VDE 0630 Part 1, EN 60529:1991 DIN VDE 0470-1:1992-11

TECHNICAL DATA