

# Datasheet

## Wireless headset Airlink 3085IA



### Product description

The wireless integrated headset is a high-performance wireless communication system designed for use in noisy environments such as aviation and industrial operations. This headset enables hands-free, clear communication, enhancing safety and operational efficiency.

Its robust and ergonomic design ensures comfort during extended use, while its noise-cancelling technology offers reliable performance in high-decibel environments.

### Main characteristics

- Connection guaranteed in all circumstances up to 300 m range in full duplex (users can emit and receive at the same time)
- Vocal announcement and wireless for hand free using
- High noise reduction to protect deafness
- Digital voice activated micro (VOX)
- Eliminates conduction with the plane
- No latency time for instant reactivity
- Intuitive and user-friendly
- Digital Noise filtering
- High audio quality thanks to a large audio wideband (200-7000 Hz)
- Adaptable to any headset and intercom
- Up to 12 h battery life with removable battery

### Options

- Long range
- Bluetooth
- Night vision

### Accessories

Name	Part number (PN)	Quantity
Internal foam kit (kit of 7 foams)	33#371	5
Pads (by pairs) = 13#371L+13#371R	34#371	5
Headband leather protection	35#371	1
Storage bag	BAG333	1

### Our others Airlink products...



**Airlink 3085IA mobile**



**Airlink 3085IA Plug & play  
base**



**Airlink 3085IA fixed  
embedded base**

## Certifications

EN352-1:2002 ; EN352-6 :2002

AS/NZS : Class 5

SLC80 : 30dB

CE 1974

® 207-15WI4H

**26 dB**

**Noise Reduction Rating (NRR)**

**32 dB**

**SNR**

RANGE OF NOISE REDUCTION RATINGS FOR EXISTING HEARING PROTECTORS IS APPROXIMATELY 0 TO 30 (HIGHER NUMBERS DENOTE GREATER EFFECTIVENESS)

Federal law prohibits  
removal of this label  
before purchase

LABEL REQUIRED BY U.S  
EPA REGULATION 40 CFR  
part 211, subpart B

GLOBAL-SYS,  
Bonneuil-sur-Marne,  
France

WH443 XXXX

f(Hz)	63	125	125	500	1000	2000	4000	8000
Mf(dB)	19.2	18.4	23.1	32.4	37.3	34.1	41.5	38.2
Sf(dB)	4.3	2.6	2.3	2.8	2.9	2.6	3.0	2.8
APV(dB)	14.9	15.8	20.8	29.6	34.4	31.5	38.5	35.4

H = 34dB, M = 30dB, L=23dB, SNR = 32dB, NRR = 26 dB

## Radio

Frequency range	1870 - 1930 MHz (adjusted according to local regulation)
Transmit power	EU:23dBm; US/JPN:21dBm
Receive sensitivity	-93 dBm
Modulation	GFSK 1.152 Mbaud
Modulation depth	DECT GFSK bandwidth : 20dB < 1,728 MHz
Range	Line of sight

## Materials

Headband	Acetal
Lid	ABS
Spring lid Height adjustment socket	TPE
Fixations, microphone arm	Polyamide
Ear pads and foam	Polyurethane

## Battery

Battery type	650mAh 4.2V LI-Po Globalsys Alkaline/NIMH
Battery life	Up to 6 h with lithium battery Up to 12h with AA battery

## Long range option

Frequency	2.400–2.478 GHz–max. 20dBm TX power
Range	up to 4 km LOS with external antenna (u.fl) 1 km with built-in antenna
Channels	64 frequency channels (16 pre-sets) with 1.2 Mhz bandwidth
vocoder	3600bps low bit rate
Call modes	Peer to peer (up to 256 calls), Group Call or Broadcast mode
Data Modes	SMS style data
Latency	approximatively 250ms

## Environment

Temperature	-20°C to +60°C
IP protection level	IP54

## Audio

Bandwidth	150-6500Hz at -3dB
Signal to Noise Ratio (SNR)	=>60dB
Distorsion	< 3%

## Dimension and weight

Dimension :	180x180x100mm
Weight :	565g

## Bluetooth option

Frequency	2.402 GHz to 2.480 GHz
Receive sensitivity	-90 dBm (2 Mbps EDR)
Bluetooth version	Version 5 Certified Class 2 2 dBm output power
Certification	FCC, CE
Profile supported	A2DP 1.3, AVRCP 1.6, HFP 1.7.2, HSP 1.2, SPP 1.2
Connections	2 with HFP/A2DP profiles simultaneously