

# Datasheet

## Plug&play base Airlink 3085IA



### Product description

The Plug & play embedded base is a versatile communication solution designed for use in dynamic aviation environments. It provides reliable, wireless audio connectivity between ground crews and aircraft, ensuring seamless communication on the move. Compact and portable, it enhances operational flexibility, making it ideal for busy airports and industrial settings requiring mobile communication support.

### Main characteristics

- Connection guaranteed in all circumstances up to 300 m range in full duplex (users can emit and receive at the same time)
- Adaptable to any intercom, radio VHF / UHF
- No latency time for instant reactivity
- Intuitive and user friendly
- High audio quality thanks to a large audio wideband (200-7000 Hz)
- Connect up to 8 simultaneous users
- Up to 12 h battery life with removable battery
- Charging through USB-C
- Digital Noise filtering

### Customization

- Cockpit isolation
- DC voltage powered

### Accessories

Name	Part number (PN)	Quantity
Cover for Base 3085IA (Wireless intercom)	BAG445	5
Removable battery pack with USB-C	BAT440D	1

### Our others Airlink products...



Airlink 3085IA mobile



Airlink 3085IA wireless headset



Airlink 3085IA embedded base

## Radio

Frequency range	1870 - 1930 MHz (adjusted according to local regulation)
Transmit power	EU:23 dBm; US/JPN:21dBm
Receive sensitivity	-93 dBm
Modulation	GFSK 1.152 Mbaud
Modulation depth	DECT GFSK bandwidth = 20 dB < 1,728 MH
Range	300 meters line of sight

## Battery

Battery type	5300 mAh 3.7V Li-Ion
Battery life	Up to 15h
Rated capacity	Min. 1880mAh
Capacity	Min. 1880mAh Typ.2000mAh
Nominal voltage	3.7V
Charging	CC-CV, Std.1880mA, 4.20V, 3.0hrs
Temperature	Charge : 0 to +45°C

## Environment

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

## Audio

Bandwidth	200-7000 Hz at -3dB
Signal to Noise Ratio (SNR)	=>60dB
Distorsion	< 3%

## Dimension and weight

Dimension :	156 x 113 x 47 mm
Weight :	630 g

## Audio adaptation of the base

Headset	Microphone	Loudspeakers
<b>Low level/High impedance</b>	850 $\mu$ V max RMS (Root Mean Square) / 75 $\Omega$	100 mW / 600 $\Omega$ (7.75V max / 600 $\Omega$ )
<b>Low level/Low impedance</b>	from 220 to 600 $\mu$ V max RMS / 5 $\Omega$	100 mW / from 8 to 10 $\Omega$ (900 mV max / 8 $\Omega$ )
<b>High level/High impedance</b>	400 mV RMS / 150 $\Omega$	100 mW / 600 $\Omega$ (6 V RMS / 600 $\Omega$ )
<b>Auxiliary interface</b>	Configurable on request	Configurable on request

## Color code of the sleeves for the different adaptations

Colour	Adaptation	Shortcut in English
<b>BLACK</b>	<b>High level/High impedance</b>	HL/HZ
<b>BLUE</b>	<b>Low level/High impedance</b>	LL/HZ
<b>RED</b>	<b>Low level/Low impedance</b>	LL/LZ
<b>GREEN</b>	<b>Auxiliary/High impedance</b>	AUX/HZ