

# USER MANUAL



## WIRELESS HEADSET AIRLINK 3085 IA: WH443

# Characteristics



- Up to 8 simultaneous connexions
- NRR 26 dB / SNR : 32 dB
- Advanced Ergonomics
- Can be wirelessly connected to Airlink 3085IA base

## Certifications

EN352-1:2020 ; EN352-6 :2020+A1:2024 | AS/NZS : Class 5 | SLC80 : 30dB | CE<sup>1974</sup>

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

Noise Reduction  
Rating (NRR)

**26 dB**

Federal law prohibits removal of  
this label before purchase

GLOBAL-SYS,  
Bonneuil-sur-Marne, France

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

WH443 XXXX

	SHR	H	M	L
<b>Mean / Mittelwert [dB]</b>	<b>34.2</b>	<b>36.4</b>	<b>32.4</b>	<b>25.2</b>
<b>Standard deviation / Standardabweichung [dB]</b>	<b>1.8</b>	<b>2.3</b>	<b>2.0</b>	<b>2.1</b>
<b>Value / Wert [dB]</b>	<b>32</b>	<b>34</b>	<b>30</b>	<b>23</b>

## WH443

Relationship between sound output level and input voltage								
SPL [dB(A)]	70	75	80	85	90	95	100	104.2
Input voltage [dBVrms]*	-23.29	-18.28	-13.30	-8.33	-3.32	1.74	7.84	15.49
Input voltage [mVrms]*	68.4	121.9	216.4	383.4	682.4	1221.7	2464.9	5947.0

## Radio

Frequency range : 1870 - 1930 MHz (adjusted according to local regulation)  
Transmit power : EU:23 dBm; US/JPN:21 dBm  
Receive sensitivity : -93 -92 -89 dBm  
Modulation : GFSK 1.152 Mbaud  
Modulation depth : DECT GFSK bandwidth = 20 dB < 1,728 MHz  
Range : Up to 300 meters

## Audio

Bandwidth : 150 Hz to 6500Hz at -3 dB

## Environment

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

## 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

## Dimension and weight

Dimension : 180x180x100mm  
Weight : 565g

## Warnings

- The noise reduction will be adversely affected by anything that impairs the seal of the earmuff cushions against the head, ie. : hair above ears, thick spectacle frames, balaclavas,... we recommend to remove them to get the best protection.
- The reported attenuation will be obtained only if the protector is in good condition and worn as directed.
- Some chemicals may have a negative effect on this product. It's recommended to ask the manufacturer for more information.
- The adaptation of hygienic protections on the ear cups can affect the acoustic performance of the headset.
- The output of the audio circuit of this noise protector may exceed the daily limit of the sound level.
- Remember that wearing hearing protectors can reduce noises such as screaming warning, alarms or other important signals. The user must pay attention to its surroundings.



## Guidelines

- Adjustments and maintenance should be done according to manufacturer instructions.
- Headset must be worn permanently in a noisy environment.
- The Airlink 2085 wireless headset can deteriorate with use, it is therefore advised to inspect them at regular intervals in order to detect any cracks or leaks, for example .
- This headset is equipped with safety-related audio input. The user should verify that it works properly before using it. If the user notices a distortion or a defect, he/she should refer to the manufacturer's instructions.
- This product should not be used for entertainment purposes, as the output level is not limited to a level considered safe.

## Product description

- The Globalsys Airlink 3085IA wireless headset is designed to protect against harmful noise and to communicate with an aircraft wirelessly through an AirLink base station. This user information is applicable for all versions.
- To ensure you get the best comfort, fit and function out of the product, it is important to read the instructions carefully and save them for future reference.
- Please refer to the attenuation table for further details on noise reduction.
- Make sure to choose the correct product for your application.
- Lifetime (5 years)

## Approvals

- The Airlink 3085IA wireless headset meets the Essential Health and Safety Requirements as laid out in Annex II of the PPE regulation (EU) 2016/425. CE marking is in accordance with EN352-1:2002 and EN352- 6:2002. This headset is approved and also monitored acc. to module C2 by PZT (NB1974), GmbH Bismarckstr. 264B, 26389 Wilhelmshaven, Germany.
- EU declaration of conformity can be accessed on Globalsys website : <https://global-sys.com/assets/documents/certifications/eu.pdf>
- This product conforms to FCC Part 15 standards (CFR 47 FCC PART 15). Compliance with FCC regulations ensures that this device has been tested and meets the limits for Class B digital devices.

## Storage

- When the hearing protector is not in use, store it in such a way that the headband is not stretched and the cushions are not compressed. Keep the hearing protectors dry and clean, store them at normal room temperature and do not place them in direct sunlight.

## Maintenance

- Clean and disinfect the cups, ear pads and inserts with mild soap and water only. This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer. Hearing protectors and ear pads in particular may deteriorate with use and should be examined at frequent intervals for cracking and leakage, for example at the start of every working shift. Equipment lifetime depends of environment, type of usage and correct use. Exposure to extreme weather conditions can impact on headset lifetime, ie. prolonged exposure to the sun or contaminants in the environment.

## Range

- Depending upon environment (obstacles...) the range is up to 300 meters (line of sight).

## Materials

- Headband : Acetal
- Lid : ABS
- Spring lid, height adjustment socket, bluetooth button : TPE
- Fixation and microphone arm : polyamide
- Ear pads and foam : polyuréthane

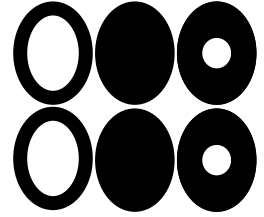
# Hygiene kit



Left and Right ear pads

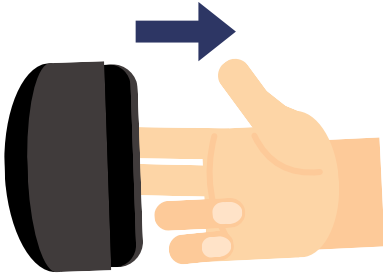


Microphone Foam

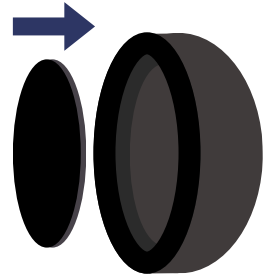


Foam kit  
x2 internal foam  
x2 external foam  
x2 earpad foam

The cushions and inserts are replaceable. Always replace worn or damaged parts.



Remove the ear pads by pulling it straight out.



Replace the old internal foam and insert with new ones from the hygiene kit.

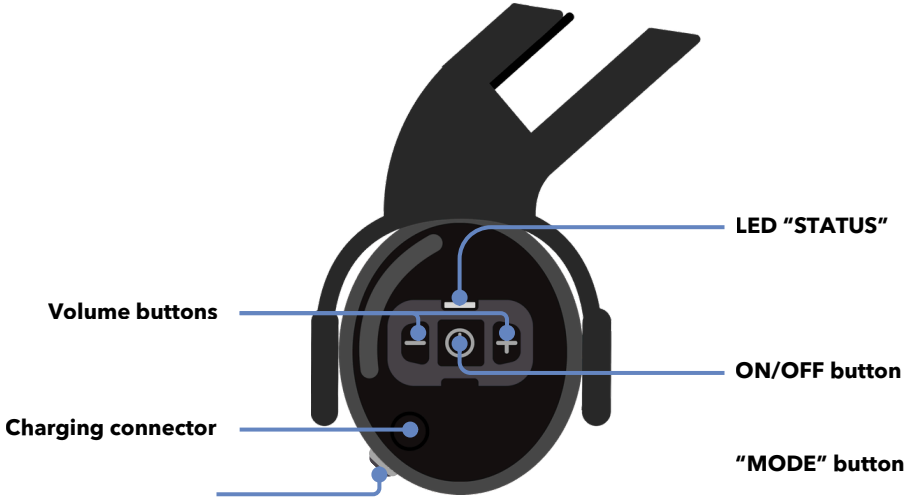
- Use only hygiene kits from the manufacturer, consisting of one pair of ear pads, one pair of foam and one microphone foam. A replacement of the hygiene kit is recommended for at least twice a year for standard use to ensure that the noise attenuation performances are maintained. The fitting of hygiene covers to internal foams may affect the acoustic performance of the hearing protectors. For order reference, please refer to spare parts list above.

Over the head earmuffs size	S	M	L
	135/122	145/130	150/135

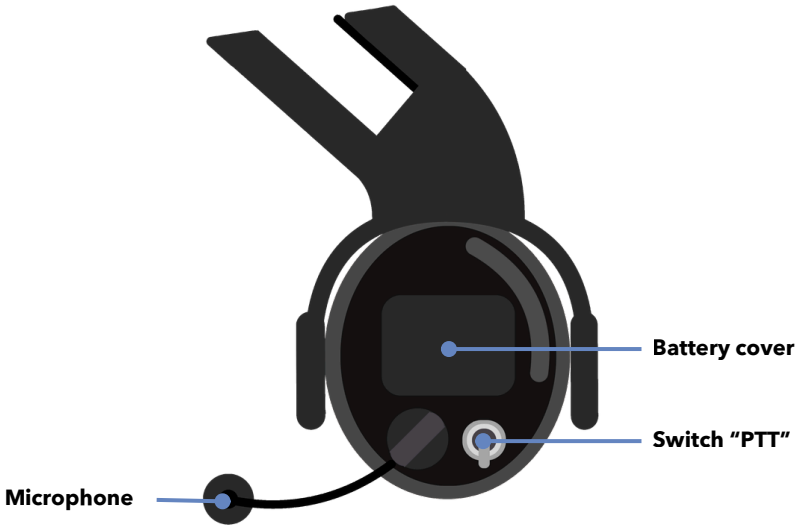
# Overview

## Airlink 3085IA headset

### Right side



### Left side



## General fitting instructions

Before following the fitting instructions below, brush excess hair aside and remove any ear jewellery that could affect acoustic seal. The cushions should form a snug fit against the head with no interference of the seal by any objects, e.g. respirator headbands or spectacles arms, and that the cups completely enclose the ears.

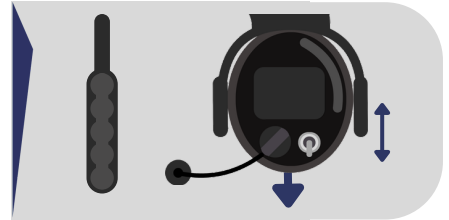
### 1- Make sure to put the headband the right way round.

The inside of the headband is marked with a letter L on the left hand side and a letter R on the right hand side. Ensure that the headband is positioned correctly.



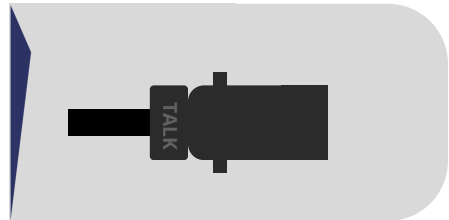
### 2- Adjusting the headset

With the headband over the head, adjust the height of the cups by sliding them up or down, so they completely enclose the ears.

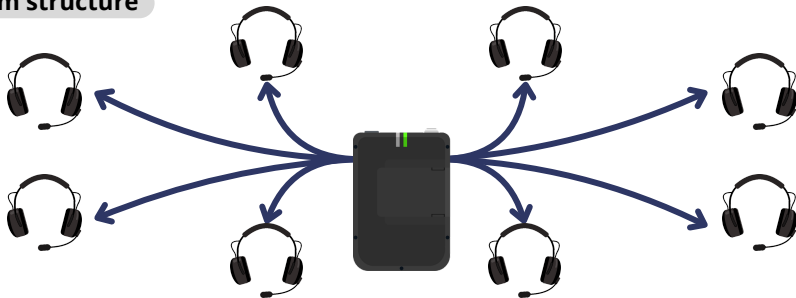


### 3- Adjusting the microphone

To ensure best performance mic need be well oriented, "TALK" inscription must be turned to mouth side.



### System structure



A plug & play base can connect up to 8 wireless headsets or mobiles.

# Headset functions

## ON / OFF



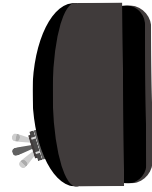
Long press middle button to turn ON or OFF.

## Adjust microphone



Adjust the microphone to 1 cm from your mouth.

## Using microphone



- Upper position : VOX
- Middle position : OFF
- Lower position : PTT

## Remove batteries



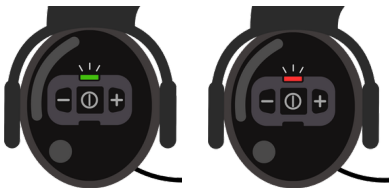
Replace batteries by opening the black hood with your thumb. Remove batteries by pulling the tape.

## Volume



You can adjust the audio volume by pressing "+" or "-" buttons on the headset.

## Batteries autonomy



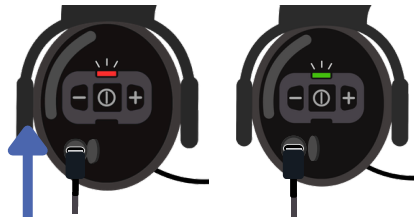
Battery ok



Low battery

A voice prompt will indicate "Low battery" frequently if the battery is too low.

## Wired charge



- Led flash red: headset is charging
  - Led flash green: headset is charged
- Charge the battery with an USB-C cable.

# Pairing (only first time)



## LED signal

Turn on both unit and wait about 10s. If LEDs flash, there is no communication established.



## Pairing activation

Press ON/OFF button twice on each devices. LED will start flashing fast.



## Pairing connection

If LED does not flash both for the base and the headset : communication is established.

## Pairing failure



If a red light flash for a short time, connection has failed. If pairing fails :

1. Check that the headset is not already connected.
2. Verify that the headset and base unit are in a pairing process.
3. Restart the process.

## Options



To select options press lateral button until the voice prompt indicates :

- |                    |                 |
|--------------------|-----------------|
| 0. Volume          | 3. Night vision |
| 1. VOX             | 4. Bluetooth    |
| 2. Noise reduction | 5. Long range   |

Press volume buttons to deactivate or reactivate the selected options





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