

# **USER MANUAL**



## MOBILE AIRLINK 3085IA

## **Characteristics**



- Full duplex audio wideband
- Up to 8 portables devices can communicate with the b
- Large graphic display with backlight
- Removable battery pack
- Qualified for Europe, US, Brazil, Japan, Taïwan
- Compatible to any headset of the competition

#### Radio

Frequency range :	1870 - 1930 MHz (adjusted according to local regulation)
Transmit power :	200mW (23 dBm).
Modulation :	GFSK 1.152 Mbaud
Range :	Up to 300 meters
Speech encoding :	ADPCM (Adaptative Differential Pulse Code Modulation)
Number of channels :	120

#### Audio

Bandwidth :	200 Hz to 7 kHz at -3 dB.
Distorsion :	less than 3%
Signal to noise ratio :	40 dB ± 2 dB

#### Environment

Using temperature :	-20°C to +60°C
Charging temperature :	0 to +45°C
IP protection level :	IP54
On-concrete drop :	about 1 meter

#### Battery

Battery type:	Li-ion 2600 mAh
Battery life:	up to 16h
Charging time :	3h maximum

#### **Dimension and weight**

Dimension :	128x61x38mm
Weight :	300g

#### Range

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

#### Audio adaptation of the mobile

The Airlink 3085IA mobile can be connected to different types of headsets/helmets existing on the market. The different levels / impedances are indicated in the table below:

Headset	Microphone	Loudspeakers
Low level/High impedance	850 μV max RMS (Root Mean Square) / 75 W	100 mW / 600W (7.75 V max / 600 W)
Low level/Low impedance	220 µV max RMS / 5W	1 W / from 8 to 10W
High level/High impedance	From 100 to 400 mV / 150W	100 mW / 600W (7.75 V max / 600 W)

The Airlink 3085IA mobile is supplied with adapter cords allowing the "audio" adaptation to be carried out with the headset.

Be careful not to connect a non-suitable headset (risk of Larsen effect and / or damage to equipment).

It is imperative to connect a cord appropriate to the characteristics of the helmet used.

#### Color code of the sleeves for the different adaptations

Colour	Adaptation	Shortcut in English
BLACK	High level/High impedance	HL/HZ
BLUE	Low level/High impedance	LL/HZ
RED	Low level/Low impedance	LL/LZ
YELLOW	High level/Low impedance	HL/LZ

#### **Guidelines**

- Adjustments and maintenance should be done according to manufacturer instructions.
- The Ailrink 3085IA mobile 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 mobile is equipped with an audio-electric input device. 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.

#### **Product description**

- The Globalsys Airlink 3085IA mobile is designed to create wireless communication between users equipped with communication headsets. This user information is applicable to 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.
- Make sure to choose the correct product for your application.

#### Storage

• When the mobile is not in use, keep it dry and clean, store them at normal room temperature and do not place them in direct sunlight.

#### Maintenance

• Clean and disinfect the mobile itself with mild soap and water only. This product may be adversely affected by certain chemical substances. Further information should be sought from the manufacturer. 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.



## Overview

## Airlink 3085IA Mobile



## **Host interface**



Π 89 % Battery autonomy Π **Base battery autonomy GRP 2** Sub-group selected State of isolation **Radio signal quality** Ν VOX and NOISE REDUCTION level с Volume level VOLUME Selected headset profile PROFILE RNR1 Mobile status CONNECTED TO BASE

## How it works



## Pairing (only first time)









LED signal

Turn on both unit. If the LED 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 stop flashing for the two units : communication is established.

#### Pairing failure



If a red light flash for a short time on the mobile, the connection has failed.

#### If pairing fails:

- Check that the mobile is not already connected.

- Verify that the mobile and base unit are in a pairing process.

- Restart the process.

## MENUS



#### Menu

- VOX
- NOISE REDUCTION
- NIGHT VISION
- REMOTE / COCKPIT ISO
- SET PROFILE

You can navigate through the different menus by pressing the "MENU" button once or several times.



## **Remote PTT/Cockpit isolation modes**



#### "Remote PTT" mode

An arrow appears on the home

screen.

The base unit can drive an external PTT (ie. radio ; intercom) through the mobile.

Press "Mode" button for 3 seconds to

isolate the cockpit. "MODE" LED turns

green when cockpit is isolated.



If "Night vision" is ON, LEDs are off for these modes.

### Notes







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