

USER MANUAL



**MOBILE
AIRLINK 3085IA**

Characteristics



- Full duplex audio wideband
- Up to 8 portables devices can communicate with the base
- Large graphic display with backlight
- Removable battery pack
- Qualified for Europe, US, Brazi, Japan, T aiwan
- 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 \pm 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 μ V max RMS (Root Mean Square) / 75 W	100 mW / 600W (7.75 V max / 600 W)
Low level/Low impedance	220 μ V 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.

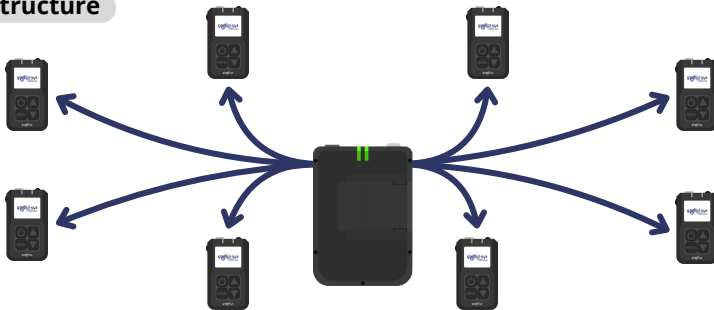
Storage

- 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.

System structure



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

Overview

Airlink 3085IA Mobile



Host interface



- 89 % Battery autonomy
- Base battery autonomy
- GRP 2 Sub-group selected
- State of isolation
- Radio signal quality
- VOX and NOISE REDUCTION level
- Volume level
- Selected headset profile
- Mobile status

How it works

ON / OFF



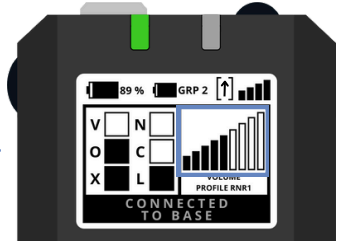
Press "ON/OFF" button during 3s to turn ON or OFF the unit.

Volume



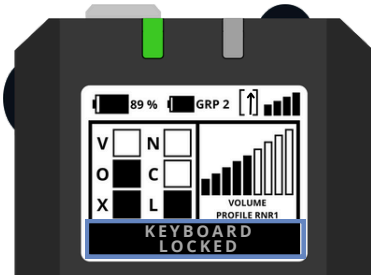
Volume +

Volume -



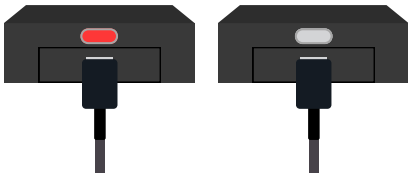
On main page, you can adjust the audio volume by pressing both "▲" and "▼" buttons on the headset.

Locked keyboard option



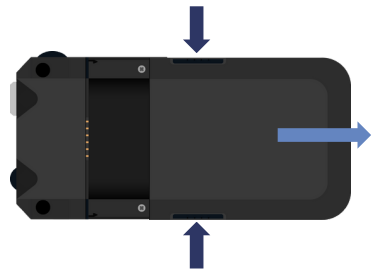
If the keyboard is inactive for more than 20 seconds, the keyboard will be locked. Press the "▲" and "▼" buttons simultaneously to unlock.

Wired charge



- Led red : battery is charging
- Led off : battery charged

Remove battery



Press the two buttons on the sides and slide the battery.

Pairing (only first time)



LED signal

Turn on both unit. If the LED flash, there is no communication established.



Pairing activation

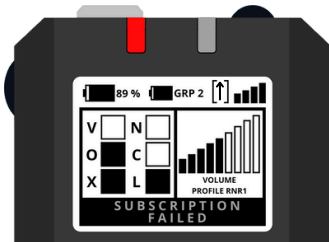
Press ON/OFF button twice on each devices. LED will start flashing fast.



Pairing connection

If LED stop flashing for the two units : communication is established.

Pairing failure



If 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.

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

MENUS

Mode navigation

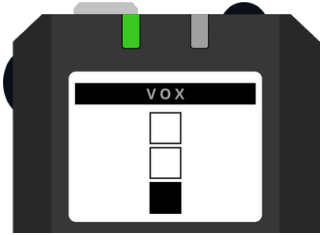


Menu

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

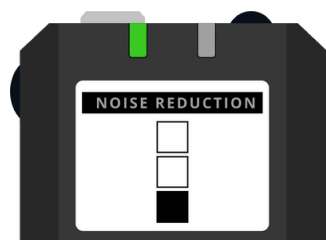
You can navigate through the different menus by pressing the "MENU" button once or several times.

VOX menu



You can adjust the sensitivity of activation of the VOX with the "▼" and "▲" button.

Noise reduction menu



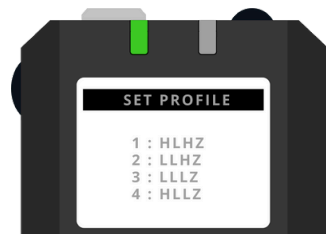
You can adjust the aggressivity of "Noise reduction" mode with the "▼" and "▲" button.

Night vision menu



Turn ON/OFF "Night vision" mode to keep LEDs off and deactivate backlight.

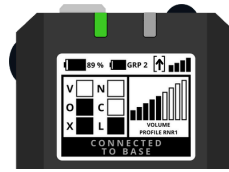
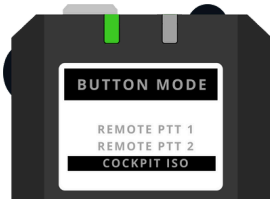
Profile menu



Choose the profile according to the connected headset.

Remote PTT/Cockpit isolation modes

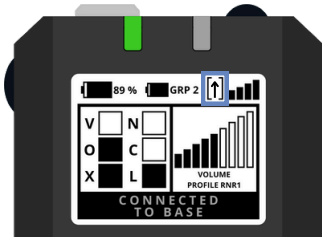
Choose your function



Enable/disable "Cockpit iso" mode to communicate without being heard by cockpit.
Enable/disable "Remote PTT" mode to allow the device to join the radio.
After selecting your mode, return to the home screen.

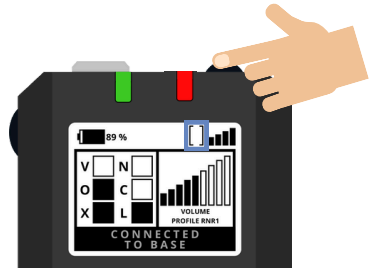
"Cockpit isolation" mode

Audio to cockpit activated



An arrow appears on the home screen.

Audio to cockpit isolated

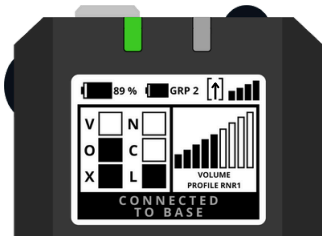


Press "Mode" button for 3 seconds to isolate the cockpit. "MODE" LED turns red when cockpit is isolated.

"Remote PTT" mode

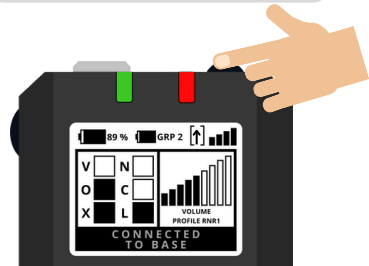
The base unit can drive an external PTT (ie. radio ; intercom) through the mobile.

Base unit is not activated



"MODE" LED remains off.

Base unit PTT is activated



Keep pressed "MODE" button while you want to transmit.
"MODE" LED turns red.

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

Notes



For more info



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