

USER MANUAL



PLUG & PLAY BASE
AIRLINK 3085IA

Characteristics



- Full duplex audio wideband
- Up to 8 portables devices can communicate with the base
- Removable battery pack
- Qualified for Europe, US, Brazi, Japan, T aiwan
- Compatible to all vehicles (helicopters, ships, aircraft)

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). Precautions are to be taken when placing the plug&play base, the station remains as much as possible in sight of users to achieve optimal performance.

Audio adaptation of the base

The base can be connected to a wide range of Intercom System through the "headset" interface of the vehicle via adapter cords specific to the vehicle considered.

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 Ω	100 mW / 600 Ω (7.75V max / 600 Ω)
Low level/Low impedance	from 220 to 600 μ V max RMS / 5 Ω	100 mW / from 8 to 10 Ω (900 mV max / 8 Ω)
High level/High impedance	from 0.4 to 1.1 V RMS max / 100/150 Ω	7.75V max / 600 Ω
Radio interface	400 mV RMS / 150 Ω	100 mW / 600 Ω (6 V RMS / 600 Ω)

The base is supplied with extendable coiled cable (50 cm at rest, extendable 2.5 m) allowing adaptation with different types of vehicles.

Be careful not to connect the base with an unsuitable audio adapter (risk of interference, etc.) to the characteristics of the on-board network concerned.

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
GREEN	Auxiliary/High impedance	AUX/HZ

Guidelines

- Adjustments and maintenance should be done according to manufacturer instructions.
- The Airlink 30851A plug&play base can deteriorate with use, it is therefore advised to inspect them at regular intervals in order to detect any cracks or leaks, for example .
- The Airlink 30851A plug&play base 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 30851A plug&play base is designed to create wireless communication between a vehicle and ground teams equipped with communication headset or to create wireless communication only between ground teams. 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.

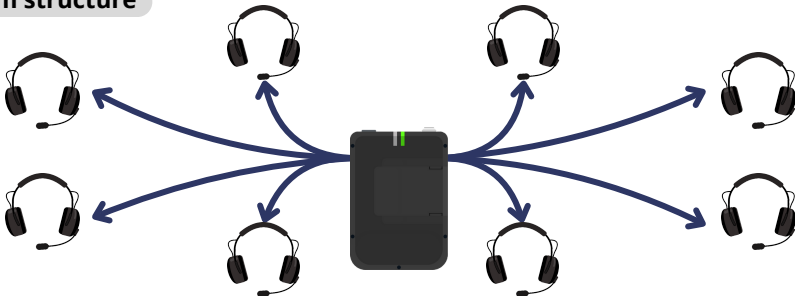
Storage

- When the Airlink 30851A plug&play base 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 plug&play base 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.

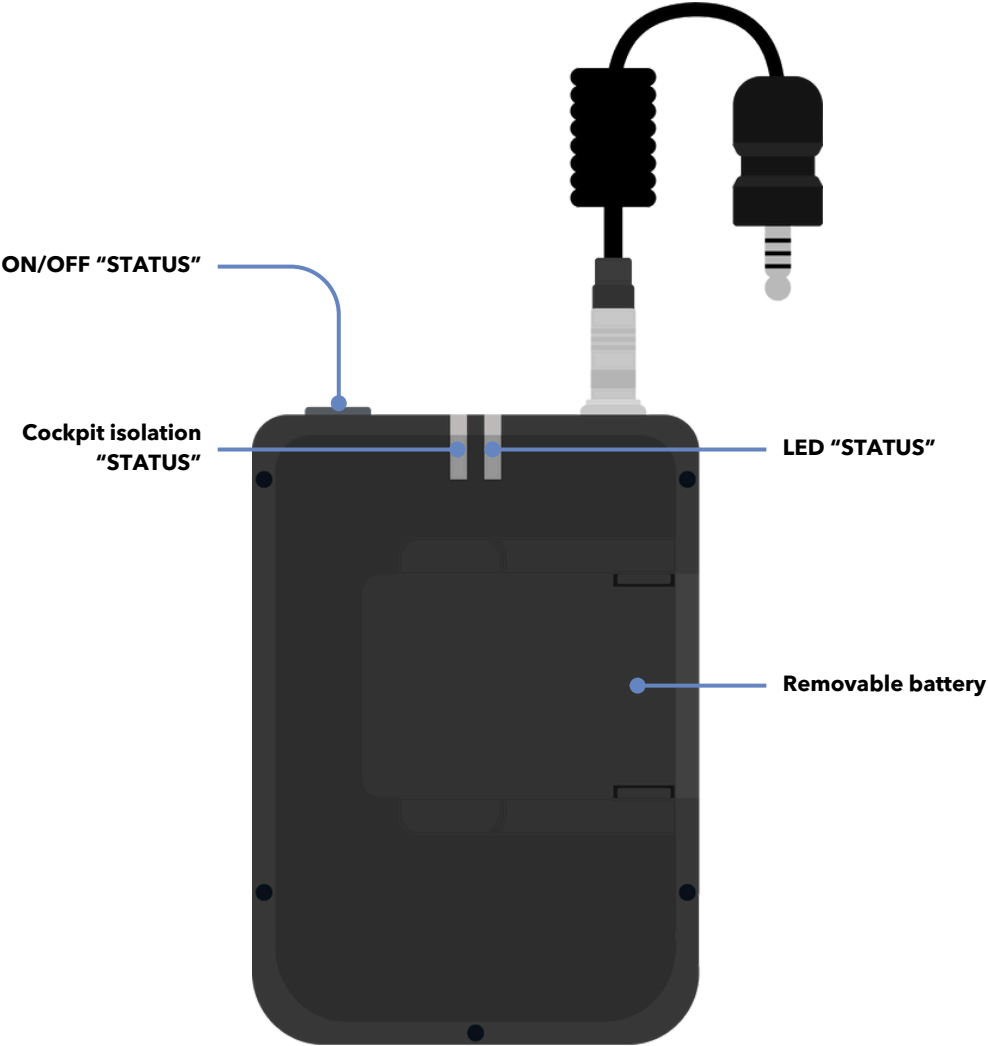
System structure



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

Overview

Airlink 3085IA plug&play base



How it works




ON/OFF



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

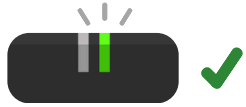
Battery autonomy



-  Battery < 10 %
-  Battery < 50 %
-  Battery > 50 %

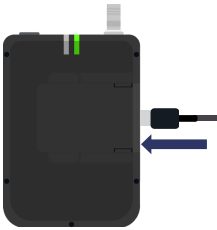
Battery can be charged through a USB-C cable or a rack charger.

Battery autonomy



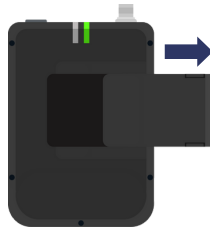
Flashing : no communication
Static : communication is established

Wired charge

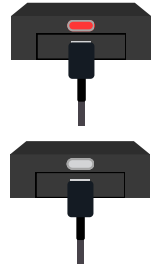


You can charge the battery with a USB-C cable.

Remove battery

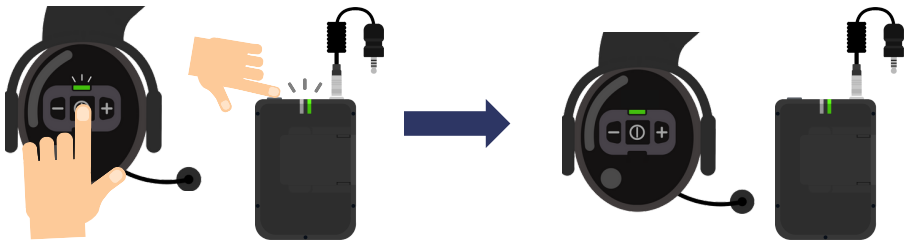


Press the two sides buttons to remove battery and slide.



LED red : battery is charging
LED off : battery charged


Pairing (only first time)




Wait 10s after power on the devices to ensure units are not already paired (devices are already connected if LEDs do not flash on both unit)

If not, press ON/OFF button twice on each devices. LED will start flashing fast.

If LED do not flash on both units : pairing is done and communication is established.







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