

# EXCELLENCE IN AUDIO COMMUNICATIONS, ON & AROUND AIRCRAFT

2020

Effective July, 2020

*All prices in Euros*

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**Dynaron**

# EXCELLENCE IN AUDIO COMMUNICATIONS



## GLOBALSYS

### Expert in cordless and embedded technology since 1997

**GLOBALSYS** develops and manufactures highly innovative and effective solutions in the following areas :

- o Wireless Communication Systems
- o Cordless Audio Systems
- o Embedded Technology

**GLOBALSYS** is recognised as an expert in Cordless Audio applications, being able to offer a very wide range of wireless technology particularly adapted for Voice communications (Analog, DECT/WDCCT, Bluetooth, Voice over IP / WiFi, GSM, WIMAX...).

Our solutions are designed for Aeronautics, Defense, Naval and Industrial sectors.

## IMPORTANT VALUES



**ENDURANCE & QUALITY**  
WHICH YOU DESERVE

At Globalsys we have been producing wireless and audio systems for over 20 years and many of our products/systems manufactured 10 or 12 years ago are still in operation with our customers. We design our systems to be easily repairable, and we guarantee the availability of spare parts for 10 years (in reality, often more).



**MULTIPLE QUALIFICATIONS & APPROVALS**

AETCP..., MIL, STD..., EN...m ANSI..., there are many acronyms that may not be commonly understood but that are in fact quite important in terms of performance and safe operation. All Globalsys equipment/systems meet the highest standards, regardless of the sector they are used in: airborne, on-ground, naval or railway.



**FULLY CONFIGURABLE**

Considering professional use cases in a highly demanding context, almost every requirement has its specificities and quite often tailor-made settings, interfaces or adjustments are required or highly desirable. At Globalsys, we design systems with the capacity to adapt, configure or adjust to each specific mission or application. Quite often, this is made possible through a PC based Windows application where an extremely wide array of settings (configurable buttons, warnings, audio levels, etc.) can be managed by every user to adapt to their specific requirements and/or to the specifics of the mission.



# THE STANDARD WIRED SOLUTION

**HEA371** is the new version of our wired Headset for ramp operations. It's one of the safest Headsets on the market with an attenuation of 32 dB. The ergonomic shape is perfectly designed for the human head, putting handlers in the best work conditions.



- 32 db attenuation
- Advanced ergonomics
- Waterproof differential microphone
- Fully EN-352 compliant
- Ptt option (3 positions, on chest...)
- Jack connector
- Cable options (short + extension, integrates, coiled, straight, 12m length, 3m length...)



Our after-sales service is very active worldwide. We provide spare parts when needed and are available to help repair headsets through numerous user manuals, YouTube videos and connected support.

# OUR CIVILIAN AND WIRELESS SOLUTION



## AIRLINK2085

Establishes a Cordless, full-duplex audio conference for your operational Teams at a reasonable cost.

Specifically designed for aeronautic applications, it can be used during maintenance operations, during engine runs or departure procedures in noisy context.



### MOBILE UNIT BELTPACK VERSION

Compatible with every wired headset and fitted with a 6.35mm jack connector, a belt clip and black rubber protection. Includes 1 rechargeable lithium battery.

## AIRCRAFT BASE STATION

Compatible with every civilian aircraft. Fitted with a 6.35mm jack connector and black rubber protection. Established communication between cockpits and mobiles (up to 4) with a red Remove Before Flight flag. Includes 1 rechargeable lithium battery.



### MOBILE INTEGRATED HEADSETS

Can be configured (via USB) to behave as base units or as mobile units. 3 PTT positions on shell. Orange or yellow headsets. If configured as base: established communication between itself and mobiles (up to 4), belt pack format or wireless format option. Possibility to include 2 rechargeable Varta batteries.

# ADVANTAGES

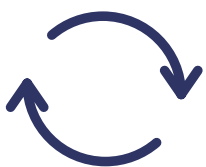
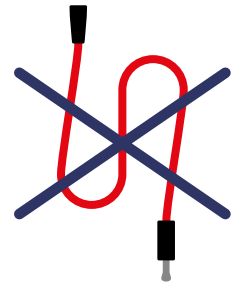
The ground agent is no longer limited in his movements by the length of the extension cable (usually around 10m).

Wireless allows (far more than extensions) to practice "One man push back", namely departure with a single agent on the ground.



## FREEDOM OF MOVEMENT

Practical cases where the advantages of wireless is demonstrated: for the physical departure of the aircraft, all doors must (of course) be completely closed, if the pilot notices on his screens that a door is not properly closed (for example the rear cargo door), he asks the ground agent to take the necessary measures. If this agent is connected with an extension cable, it must be disconnected (losing communication with the cockpit during this time), if he is using wireless, he can carry out the whole operation while remaining in contact with the cockpit, we can therefore see that in the event of a false breakdown of any kind of difficulty, efficiency is maximised by the use of wireless.



Wear and **TEAR OF EXTENSION CABLES** : an extension cable is worth around €115, its lifespan is around a year. On the other hand we have wireless systems (AIRLINK 2080, previous generation) which have been running for 9 or 10 years. The significant cost of wireless is therefore offset by the savings made on extension cables which often need to be replaced.

Ground operators tend to easily get wrapped up in extension cables. This causes discomfort. The use of extension cables is also unsuitable for use while driving push-back trucks.

Note that a push-back truck (truck equipped with a push-back bar, "tow bar") is worth between €60 and €300K and a truck without a tow bar between €250 and €800K. The wireless systems we offer represent a significantly lower cost compared to these figures.

It also allows **MORE EFFICIENT** and **SAFE** working environment, especially in the case of a truck without a tow bar because connections to the aircraft can be made much earlier and disconnected much later. Not to mention the risk of lightning strikes during thunderstorms...

In addition to cockpit-operator communications, wireless headsets can also be used for **DE-ICING** and aircraft **MAINTENANCE** operations.

Lastly, note that connecting multiple wireless headsets is **VERY EASY** and **USER FRIENDLY** (unlike wired solutions which are difficult or often impossible to link together) for any type of operation: training, management, communication...



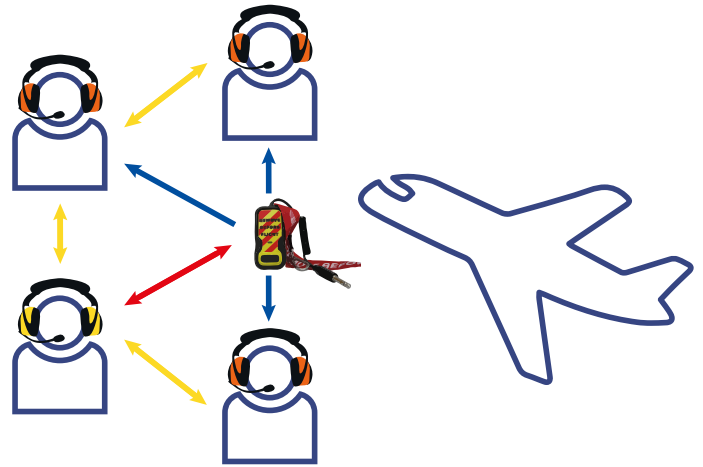
# OPTIONS

## COCKPIT ISOLATION

In the case of training, management of wing walkers or any other need, this option may be used to allow a single operator to communicate with the cockpit. While all ground staff connected to the base can hear the pilots and other ground staff, only one can speak to the pilots.

This option is mainly used to limit disturbance in communications between the cockpit and airport control tower or in case of an emergency, only the most important conversations and information going on around the aircraft.

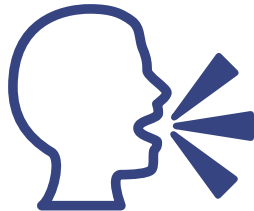
Moreover, the 3 positions of the PTT allows you to choose which position allows communication with the cockpit: the UP position only allows communication with operators, the MIDDLE position turns off the microphone and the BOTTOM position allows communication with anyone (operators + cockpit).



## VOX



**MICROPHONE IS OFF**



**MICROPHONE IS ON**

## NO BASE, 5 HEADSETS

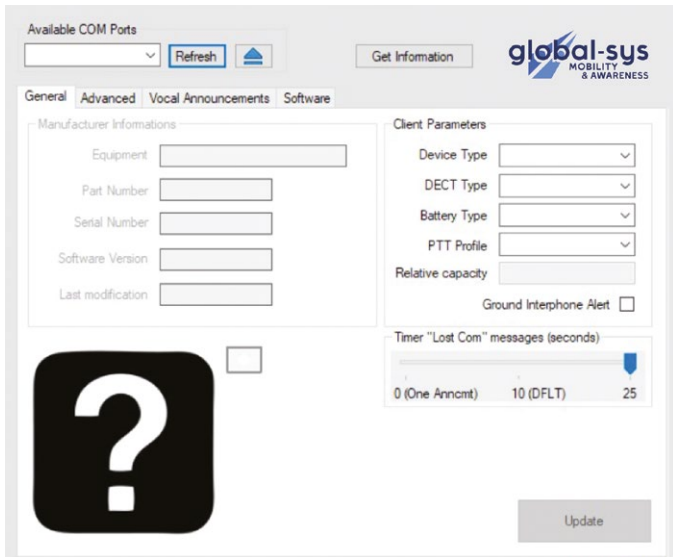
If no aircraft connection or communication with the cockpit is necessary, the headset-to-headset option is available. From 2 to 5 headsets, this option is convenient for maintenance or de-icing operations.

One of the headsets simply needs to be set up as a base, most often this headset is in a different colour in order to be easily identifiable.

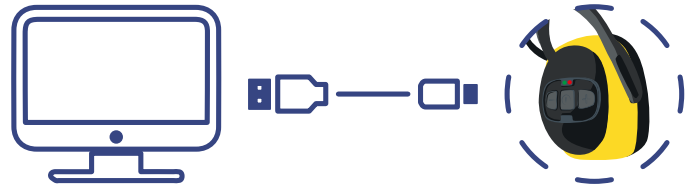
## SQUELCH

This option is crucial if you want zero noise in the headset while you are not speaking. Depending on the environment, Squelch can be requested as a complete noise reduction, even of the small radio noises in the headset.





- Audio language
- Vocal announcement configuration
- Software upgrade
- Maintenance records access
- Push To Talk options selection



With a standard USB cable you can set up your wireless headset in any way that you want. With an easy user friendly help menu, this software, downloadable on any Windows PC could be very useful for your operations should you want to modify it in any way.

## OUR LATEST INNOVATIONS

### — BLUETOOTH OPTION

Any type of Bluetooth device can be connected to the headsets. This option can be installed for you in order to create a link between your headset and a Bluetooth radio or mobile phone for example. The range is inferior to our DECT system range but can easily connect up to 8m.



### — RECORDING OPTION

It is possible to add a recording module into the base unit. When a base is connected to one or more mobile units, and connected to an aircraft, a record of communications is launched and stops when the base is turned off. The recording unit is fitted with an 8 GB chip, when the memory is full, new files will replace the oldest files stored. A PRG406B plug is used to configure or set the recording unit.

### — AIRPORT RADIO CONNECTIVITY OPTION

When a radio is linked to the wireless headset it is possible to hear all necessary airport communications. While doing your daily ground operations it would be possible to hear, depending on local airport regulations, requested information or important alerts.

### — SMARTPHONE CONNECTIVITY OPTION

When a phone, having installed the Softbank application, is plugged in to the mobile station, a conference can be set up with the hotline. In order to answer or call you must press the HL button for 3s.



# OTHER APPLICATIONS

## SAFETY CAP

We also supply integrated wireless headsets with your safety equipment. Our standard headsets are sized to be worn with protective safety caps. They fit easily allowing you to communicate during critical dangerous operations.

The headband can be removed and the headsets can be manufactured as two cups (as for the hard hats listed below) if necessary.













## HARD HAT

Similar to the safety cap featured above. Adapted to your needs, the two cups are connected and easily fit any helmet or safety hat.





# 2020 KEY SOLUTIONS

	<b>Airlink 2085 Integrated headset</b>	WI407...	A Yellow B Orange	1 High performance microphone 2 Standard short microphone 3 Short intricon + VOX	03 Isolation Cockpit activated ON/OFF/MON positions	-EX ATEX mandatory
	<b>Lithium headset battery</b>	BAT407...	D			
	<b>Wall plug headset charger</b>	BCH407...	A	Can charge up to 1 headset. Electrical power strip adapted to charger design also supplied		
	<b>Airlink 2085 Aircraft Base unit</b>	WI406...	A 1 button yellow box (aircraft base unit) - Flame - Strap ring - Aircraft attachment strap	1 -6.35 mm standard male jack connector 2 -6.35 mm standard female jack connector 3 -PJ68 5.28 mm male jack connector	00 No option 01 Powered sector 04 Red spiral cord + Red keyboard instead of black 05 Red spiral cord + male jack output for Back-Office telephone + "HL" marking instead of PTT + Red keyboard	-EX ATEX mandatory
	<b>Airlink 2085 Beltpack Mobile unit</b>	WI406...	B 4 buttons yellow box (mobile unit) - Belt clip	4 -PL68 5.28 mm female jack connector		
	<b>Lithium base and mobile unit battery</b>	BAT406...	FA Yellow C AAA batteries pack			
	<b>Wall plug base and mobile unit charger</b>	BCH406...	C	Can charge up to 1 headset. Electrical power strip adapted to charger design also supplied		
	<b>Wired headset</b>	HEA371...	A - 6.35 mm standard B - NEXUS TP-120 C - Nato D - PJ-068 E - XLR5F F - XLR4F G - PL068 H - Lemo J - 2.5 mm male jack K - XLR3 L - 3.5 mm male jack	A High level / High impedance B Low level + High P. Mic. / Low impedance C Low level + High P. Mic. / High impedance D High level + High P. Mic. / High impedance E Multi adaption	0 No PTT 1 On cup 2 On cable	0 Short straight cable 1 Long coiled cable 2 Long straight cable 3 Middle coiled Cable H : cup and cover black O : cup and cover orange Y : cup and cover yellow
	<b>Long extension cable</b>	COR312...	A 12m coiled long orange cable	We also supply other size of cable., extension cable for wired headset or beltpack. Black or Orange. From 2 to 12m. Straight or coiled...		
	<b>Transport bag</b>	BAG 333	For one complete set			

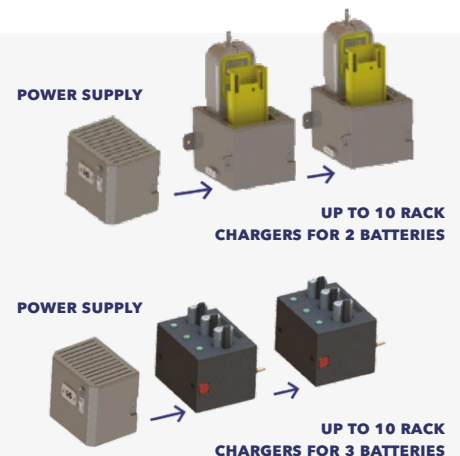
## RACK CHARGERS

As our batteries are easily removable from the various equipment, we also offer a rack charger solution.

With one power supply (PSW415A), you can charge up to 30 headset batteries (BAT407) simultaneously OR 20 belt pack mobile or aircraft base unit batteries (BAT406).

One headset battery rack charger (RCH407) can accommodate 3 headset batteries. One belt pack mobile or aircraft base unit battery rack charger (RCH406) can accommodate 2 belt pack mobile or aircraft base unit batteries.

This solution can be used to charge equipment directly in the trucks.



**PLEASE CONTACT US FOR FURTHER INFORMATION OR SPARE PARTS...**

# THEY TRUST US

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# THEY REPRESENT US



MOBILE GSE



Distribution d'accessoires aéroportuaires & industriels



THANK YOU FOR READING!

Do not hesitate to ask us our presentation concerning our Governmental, on-board and embedded systems: Airlink 30851A which can allow you to connect up to 8 users simultaneously.

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