

## Stay heard, stay safe: mastering communication in noisy environments

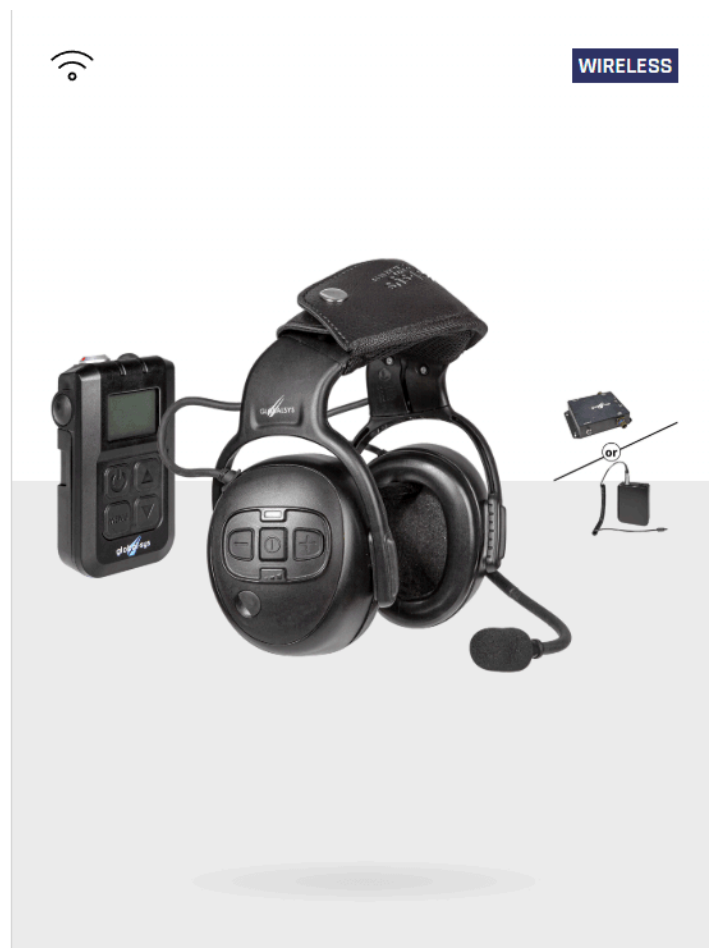
In today's demanding **Ground Handling operations**, clear communication is as critical as the aircraft themselves. On the tarmac, where jet engines roar, vehicles manoeuvre and crews work under tight turnaround times, even the smallest misunderstanding can lead to costly delays, equipment damage or safety incidents.

The same applies to industrial sites, heavy manufacturing plants and large construction zones where loud machinery and multiple teams working at the same time make reliable communication essential for safety and productivity.

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AIRLINK 2085



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Other mission-critical sectors such as military operations, **Search and Rescue missions** and naval deployments face the same daily challenge. Teams must ensure that instructions are heard, understood and carried out despite extreme background noise and unpredictable conditions.

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Yet too often, teams still rely on outdated or improvised communication tools that fall short when they are needed most. Repeating instructions, guessing what was said or relying on hand signals alone wastes precious seconds. In high-stakes environments, every second counts.

At **Globalsys**, we have spent years designing wireless communication systems that deliver reliable and clear exchanges exactly where other solutions fail. Here is what we have learned about keeping your teams connected and safe no matter how loud it gets.

## Understand where noise creeps in

The first step is to know your real-world challenges. In **Ground Handling**, noise comes not only from engines but from wind, vehicle traffic and general ramp activity. In industrial settings, noise comes from heavy machinery, production lines or large maintenance equipment. On **military** or **SAR missions**, you may be dealing with **rotor blades**, engine rooms or harsh weather.

Even the best communication chain can be weakened by a single weak link. A worn-out headset, a loose connector, a poor-quality microphone or an incorrect fit can cause instructions to get lost and increase the risk of costly errors.

## Full Duplex means no waiting to talk

In noisy and fast-moving operations, time is critical. **Full Duplex communication** allows everyone to talk and listen at the same time and removes the delays of **Push-To-Talk radios**.

Whether you are guiding an aircraft during pushback, coordinating a rescue mission, managing a naval deck crew or supervising an industrial maintenance team, Full Duplex keeps everyone in the loop with no need to wait for a channel to clear or push a button to reply. It works like a phone call but is engineered to withstand the toughest environments.

## True noise cancellation is essential

Not all **noise-cancelling headsets** are the same. To really cut through engine noise or machine vibrations, you need a smart mix of passive insulation and active noise reduction.

Our **Airlink** systems combine high-performance **noise-cancelling microphones**, rugged ear protection and reliable wireless integration. This ensures that only your voice gets through, not the jet blast, the machinery or the deck engines.

# Ground Handling focus

Airlines and airport handlers worldwide trust Globalsys because on the **ramp**, pushback **operators** and **marshallers** cannot afford to repeat instructions or rely on hand signals alone. **Airlink headsets** and beltpack systems keep the ground crew and pilots connected in real time, making pushbacks, marshalling and ground coordination faster, safer and more efficient.

## Train your teams to get the best results

Even the best hardware needs to be used properly. Poor mic placement, neglected maintenance or incorrect settings can reduce performance dramatically.

We provide clear user guides and on-site training to ensure your crews get the most from every shift and every piece of equipment.

## Do not overlook maintenance

Noise is one challenge but wear and tear is another. Sweat, rain, dust and repeated impacts can affect audio quality and connection reliability. Regular checks, cleaning and recalibration keep your systems ready for action.

We support our customers with dedicated after-sales services and maintenance plans so that your communication system does not fail when it matters most.

## In short

Whether you are moving aircraft on a busy apron, operating in an industrial plant, coordinating a helicopter crew in a rescue mission or working in extreme naval conditions, one fact remains clear communication saves time, protects assets and keeps people safe.

## Globalsys is ready to support you

For over 20 years, we have been building wireless communication systems trusted by airlines, ground handlers, industrial operators, military teams and naval crews worldwide.

If you would like to see how we can help you improve safety, reduce errors and keep your operations flowing, we are ready to help.

 **Need mission-ready solutions or expert advice?**

 **Contact us**

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