

Summer-proof your wireless communication systems

High temperatures, increased humidity, and intense operational demand can all impact the performance and reliability of wireless communication systems. This is particularly relevant during summer, when environmental stress and traffic peaks are at their highest ; especially in ground handling, industrial operations, and military deployments.



Environmental impacts on communication systems

- **Heat stress:** Excessive temperatures can cause device overheating if airflow is restricted or ventilation is inadequate.
- **Humidity and dust:** May lead to connector degradation, corrosion, or battery efficiency loss.
- **Outdoor noise and exposure:** Require stable full-duplex audio clarity to maintain operational safety.

How Globalsys ensures system resilience

- Use of components certified for high-stress environments.
- All units undergo mechanical and thermal resistance testing.
- DECT-based architecture adapted for high-mobility scenarios, with secure roaming and low latency.
- Reliable audio transmission, even in heavy usage scenarios or during critical ground operations.

Recommended best practices for summer readiness

- Perform regular battery checks to avoid degradation and ensure optimal runtime.
- Clean ports and connectors to prevent buildup or oxidation.
- Install the latest firmware updates to benefit from performance and security improvements.
- Schedule a preventive maintenance review with our technical team.

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