



Wireless Headset Communication Solutions

Pushback & Towing
Deicing
Maintenance
Cargo



Total communication solutions for safe, effective & productive teams

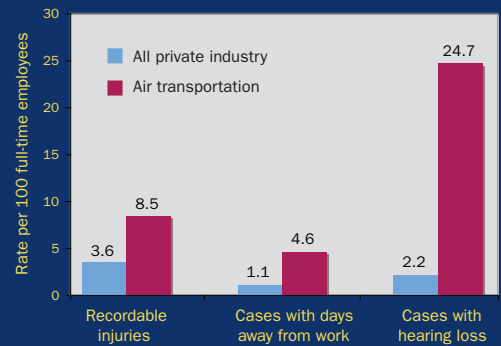
AIRPORT RAMPS ARE BUSY PLACES, with equipment and personnel constantly moving in a confined space, sometimes in darkness, and in all types of inclement weather. If a direction is missed or misunderstood, the results can be devastating.

According to the [Federal Aviation Administration](#), one out of every four air carrier incidents happen on the ramp, and almost all of those incidents are expensive. Direct costs for a single incident alone can run into the millions. Factor in indirect costs and the final price tag is staggering.

Studies by the [Flight Safety Foundation](#) show that human factors are the primary culprit in ramp accidents; issues like malfunctioning equipment and inclement weather play a lesser role. And of the 12 human factors typically cited in the occupational safety literature, poor (or nonexistent) communication routinely tops the list.

That's where a wireless team communication system from Flightcom can help.

NONFATAL OCCUPATIONAL INJURIES (2009)



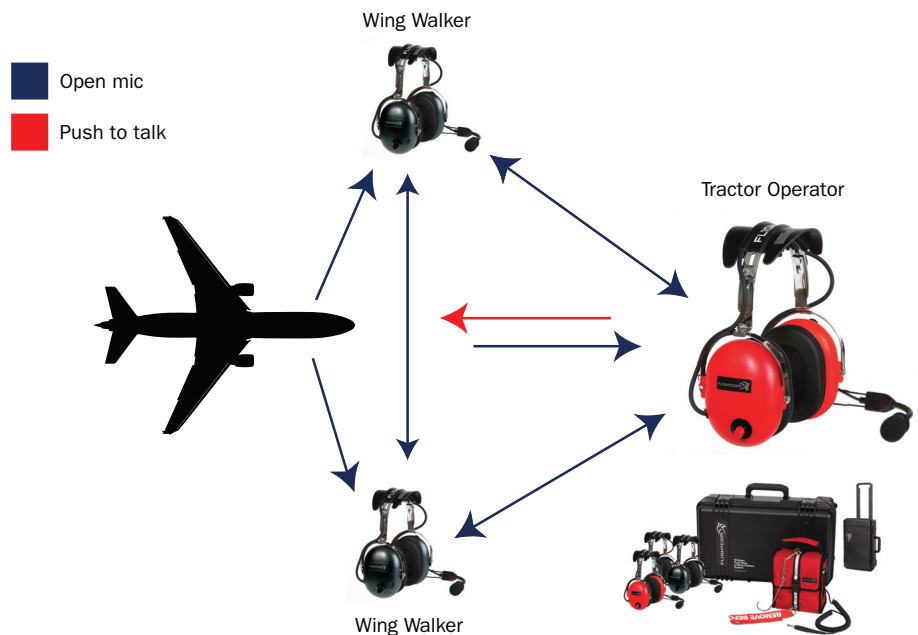
Source: Bureau of Labor Statistics (2009)

Flightcom on the job: Sample configurations

Wireless deicing



Wireless pushback & towing



Wireless maintenance & cargo



Flightcom's wireless pushback and towing system optimizes ground support communication by controlling who can talk to whom and under what circumstances. Communications from the flight deck have the highest priority. All ground personnel continuously hear the flight deck, but the flight deck can only hear the tractor operator when the operator depresses the push-to-talk button on his or her headset dome. The wing walkers and tractor operator are in constant communication on open mic, but the wing walkers' mics are turned off when the tractor operator is communicating with the flight deck.

Wireless solution components

Wireless pushback system shown here for communication among the tractor operator, wing walkers, and flight deck. Similar configurations available for deicing, maintenance, and cargo operations. All systems are programmable to user specifications.



Weather-tight Pelican Hardigg™ storm case: Convenient built-in battery charger recharges the ComHub and all headsets inside the case via a single exterior plug. Case is designed with wheels and a collapsible handle for complete portability, storage, and protection.



Scalable system: Standard configuration accommodates up to four wing walkers and one tractor operator. Custom configurations are also available.

ComHub and carrying bag: Padded sides and water-resistant design protect the ComHub from damage and inclement weather.

Headsets: Black: Wing Walkers; Red: Tractor Operator

- **600m line-of-sight range:** Over five times the distance and nearly 30 times the coverage area of Bluetooth
- **Completely wireless and antenna-free:** No external antennas or cumbersome belt-pack wires
- **1.8GHz DECT wireless technology:** Crystal clear, interference-free, and secure communication
- **Plush ear seals:** Remain comfortable after hours of use
- **24-hour battery with two-hour charge time:** Ensures the system is ready to use at all times
- **Push-to-talk/push-and-hold button:** Requires a solid push to activate, eliminating the chance of accidental audio transmissions
- **Noise-canceling electret microphone:** Programmable microphone gain for optimal clarity and a flexible boom for precise placement

Flightcom solutions in brief

Pushback and towing

Flightcom's wireless ground support communication system supports pushback with one to five people, maintaining tractor operator-to-pilot communication while allowing the wing walkers to listen and alert the tractor operator to any hazards. The system allows full wireless coverage around the aircraft with exceptional 600m line-of-sight range. Simply plug the ComHub into the aircraft's interphone and you're ready to go – no adaptors are required.

Deicing

Flightcom's fully customizable deicing solution supports hands-free wireless communication between the deicing truck driver and the team member in the basket. By default, the system supports continuous full-duplex communication between the two team members to improve efficiency and safety. Optionally, the system can be configured to provide push-to-talk communication for up to four radios. Flightcom offers systems for other team configurations, including communication between multiple teams working on the same aircraft.

Maintenance

Flightcom offers a variety of flexible communication solutions for maintenance teams that are working in and around the hangar. Our maintenance solutions combine wireless communication headsets with a portable battery-powered ComHub™ that can be located to provide clear, full-duplex, hands-free communication among team members inside and outside the aircraft. Systems can be configured for continuous or push-to-talk communication, depending on your specific requirements. Systems can also be configured to provide for push-to-talk communications with ground control or other teams via a two-way radio.



Flightcom headsets: Features and benefits

Features	Benefits
• Pilot Alert™ Warning (Pat. Pend.)	• Alerts pilot and wing walkers if the system is left hanging after pushback
• Fully self-contained wireless headset	• No wires/antennas to break or snag
• 600m line-of-sight range to ComHub™	• 30 times the coverage area of Bluetooth
• 24-hour headset battery with two-hour recharge	• Ready to work when you are
• Rugged: IP65 rated, mil-spec tested	• Built for tough conditions, including the deicing bucket
• 1.8GHz DECT wireless technology	• Clear, interference-free, and secure
• Operates from -40° to +70°C	• Works whenever you do
• High-comfort, 26dB noise reduction	• Superior hearing protection
• Self-contained completely wireless ComHub	• Small and portable
• System comes in a case with all necessary accessories included	• Ready to work “out of the box”



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