

A ground crew member, a woman with blonde hair tied back, wearing a high-visibility yellow safety vest over a black shirt, dark blue cargo pants, and a yellow headset with a microphone, is bent over and working on the main landing gear of a large aircraft. She is using a yellow tool, possibly a torque wrench, on the gear assembly. The aircraft's landing gear is a complex metal structure with a large black tire. The background shows a blurred airport tarmac and greenery under a clear blue sky.

3M Science.
Applied to Life.™

Clear communication right out of the gate.

Enhance safety
and streamline
communications during
aircraft movement and
ground operations

**3M Personal Safety Solutions
for Aerospace**



PELTOR™
Protection & Communication

Stay connected and safe during the move

3M™ PELTOR™ WS™ Enabled Headsets for ground communication, featuring **3M™ PELTOR™ WS™ Adapter G3, Ground Mechanic** for aircraft pushback operations

**Stay connected.
Protected.
Productive.**

We understand how challenging ground operations can be, especially when it comes to keeping your team connected. That's why we developed an innovative wireless system to help your crews communicate effectively and protect their hearing while staying aware of their surroundings – even difficult weather conditions.

3M™ PELTOR™ WS™ enabled headsets protect against hazardous noise while maintaining auditory environmental awareness. Combined with the 3M™ PELTOR™ WS™ Adapter G3, they also create a seamless, wireless link between pilot and ground crew. All with no tethered cables, helping reduce the risk of trips, falls or damage on the runway.

Applications

- ▶ Pushback
- ▶ Wing walking
- ▶ Maintenance
- ▶ Tow crews
- ▶ Fueling
- ▶ Cargo and baggage handling

Hands-free, wireless protective communications

Environmental listening technology helps workers hear what matters while helping to protect against hazardous noise.



3M™ PELTOR™ WS™ LiteCom Pro III Headset

Wireless tug-to-plane (as well as wing walkers, on 433MHz or programmed to site-specific frequency between 403-470MHz)



3M™ PELTOR™ WS™ ProTac XPI Communication Headset

Wireless tug-to-plane (no wingwalkers)

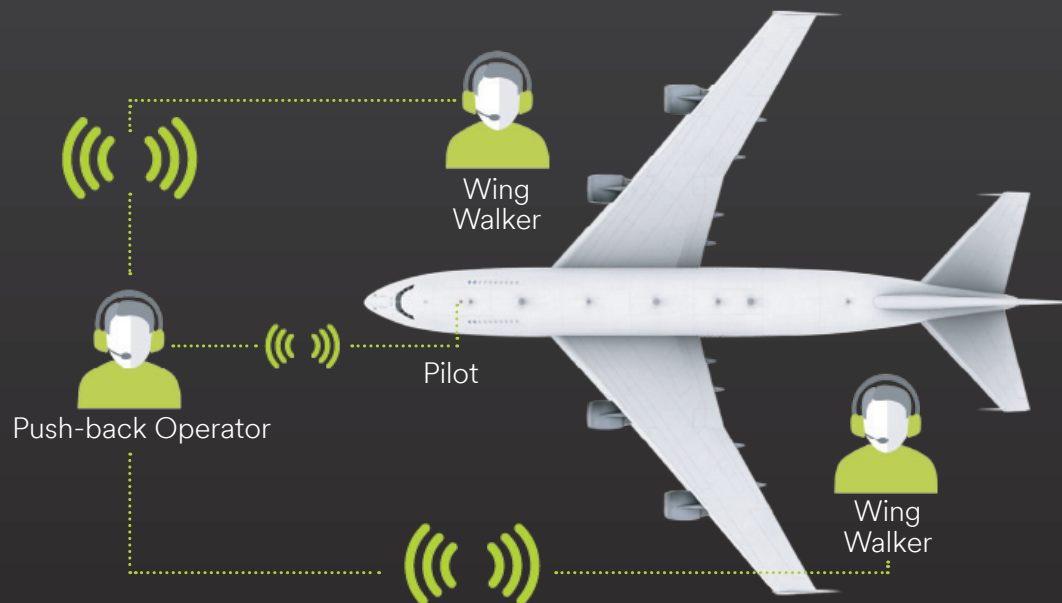
Both headsets are compatible with the new

3M™ PELTOR™ WS™ Adapter G3, Ground Mechanic

FL61007-WS7
Wireless tug-to-plane
(no wing walkers)



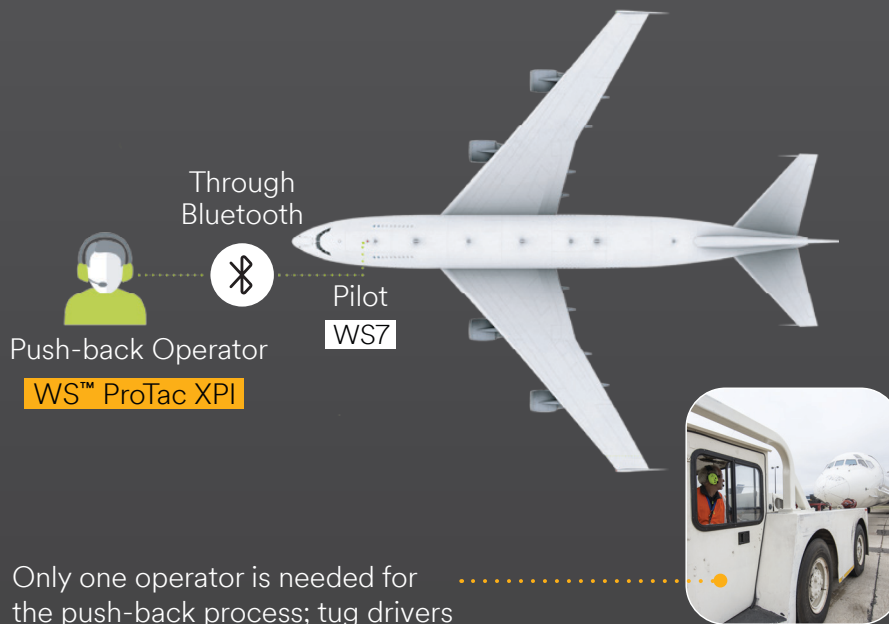
Lightweight and compact, fitting easily into a pocket when not in use – no tethered cables needed



Protective communications work their best when all the parts are designed to work together from the ground up.

Scenario 1

3M™ PELTOR™ WS™ ProTac XPI Communication Headset



Pilot

Built-in intercom system for aircraft. Connects to WS7 via Bluetooth and communicates with the PB operator.

Push-back operator

Uses a Bluetooth headset to communicate with the pilot (headset to WS7).

Tug driver

In general, communication with the pilot is not necessary; the passive earmuff should be sufficient.

Scenario 2

3M™ PELTOR™ WS™ LiteCom Pro III Headset



Pilot

Inter-com system on airplane, connect with WS7 through Bluetooth communicate with PB operator

Push-back operator

Uses a Bluetooth headset to communicate with the pilot (headset to WS7).

Tug driver

In general, communication with the pilot is not necessary; the passive earmuff should be sufficient.

Wing walkers

Communicate with the PB operator via radio frequency to report any barriers in blind spots.

3M™ PELTOR™ WS™ Adapter G3 Features



Sound

We have enhanced sound quality with wideband audio, providing a more natural sound and better perception in noisy environments. Lower latency and improved duplex function ensure optimal performance. Our new voice guide alerts the pilot if the ground crew loses connection with the aircraft, enhancing safety and communication reliability.



Connection & Cables

The adapter's connecting cable boasts a newly developed connector strain relief with an enlarged grip area, ensuring easy disconnection even when wearing winter gloves. The extended cable length accommodates wide-body aircraft, providing flexibility in various attachment points.



Design

Newly designed IP54 certified casing for durability and ease of use. With a 2-button operation, voice guide, and clear LED status indication, our product is user-friendly and intuitive.



Safety

Safety is paramount, and the 3M™ PELTOR™ WS™ Adapter G3 incorporates a newly designed safety hook attached via a double looped nylon strap. This feature adds extra security, reducing the risk of the adapter falling off the aircraft body and resulting in lost communication.



Battery

The rechargeable battery pack, with a capacity of up to 190 hours of continuous operation, eliminates the need for disposable batteries and contributes to a more sustainable solution.

3M™ PELTOR™ WS™ continues to lead the industry with innovative solutions that prioritise safety, reliability, and ease of use. The 3M™ PELTOR™ WS™ Adapter G3 sets a new standard for wireless communication in aircraft pushback operations, empowering ground mechanics with a secure and efficient connection. Despite its advanced features, the 3M™ PELTOR™ WS™ Adapter G3 remains lightweight and compact, fitting easily into a pocket when not in use. It is compatible with 3M™ PELTOR™ WS™ enabled headsets, including the WS™ ProTac XPI and WS™ LiteCom Pro III, ensuring seamless integration with existing equipment.



PELTOR™
Protection & Communication

3M PELTOR continues to be a leader in the industry with innovative solutions that prioritise safety, reliability, and ease of use. Compatible **3M™ PELTOR™ WS™ ProTac XPI and WS™ LiteCom Pro Headsets provide hearing protection** with environmental listening capabilities, to help ground mechanics stay aware of their surroundings.







3M™ PELTOR™ WS™ LiteCom Pro III Headset

Wireless tug-to-plane (as well as wing walkers, on 433MHz or programmed to site-specific frequency between 403-470MHz)



3M™ PELTOR™ WS™ ProTac XPI Communication Headset

Wireless tug-to-plane (no wingwalkers)

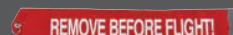
FL61007-WS7 3M™ PELTOR™ WS™ Adapter G3 Ground Mechanic



TKD5005/SP Clip



FE0352/SP Safety hook



DE0228/1 "REMOVE BEFORE FLIGHT" flag



ACK081B/1 Rechargeable battery pack



AL2AI/SP * USB Charging cable*



FR08* 5V SELV USB Power supply*

SKU/SAP ID	Product Code	Description
Headset and Accessories		
7100098910	MT73H7A4D10EU *	3M™ PELTOR™ WS™ LiteCom Pro III Headset Headband 403-470 MHz Analog/Digital, SLC ₈₀ 32dB (Class 5).
7100098897	MT73H7F4D10EU-50 *	3M™ PELTOR™ WS™ LiteCom Pro III ANZEx Certified Headset Headband 403-470 MHz Analogue/Digital, SLC ₈₀ 32dB (Class 5).
7100196045	MT15H7AWS6 **	3M™ PELTOR™ WS™ ProTac XPI Headset Headband, MT15H7AWS6, SLC ₈₀ 32dB (Class 5).
7100113964	HY83	3M™ PELTOR™ Hygiene Kit HY83 for Headsets.
7100064410	HY100A	3M™ PELTOR™ Clean Hygiene Pads HY100A.
7100064281	HYM1000	3M™ PELTOR™ Hygiene Tape for Microphone, 4.5m.
3M™ PELTOR™ WS™ Adapter G3, Ground Mechanic		
7100325526	FL61007-WS7	3M™ PELTOR™ WS™ Adapter G3 FL61007-WS7, Ground Mechanic
7100245137	TKD5005/SP	Clip
7100332577	DE0352/SP	Safety hook
7100331988	FE0352/SP	"REMOVE BEFORE FLIGHT" flag
7100330766	ACK081B/1	3M™ PELTOR™ Rechargeable LI-ION Battery Pack ACK081B/1, 3,7 Volt, 2150mAh, 8Wh
7100088372	AL2AI/SP ***	3M™ PELTOR™ Lite-Com™ Charging Cable AL2AI
7000108521	FR08 ***	3M™ PELTOR™ FR08 Power Supply with USB connectors

Please Note:

* The 3M™ PELTOR™ WS™ LiteCom Pro III Headset is supplied with the headset, battery, hygiene kit and user instructions; the charging cable and power supply are not included in the box. For charging, order the compatible 3M™ PELTOR™ AL2AI/SP Charging Cable (7100088372) and 3M™ PELTOR™ FR08 Power Supply (7000108521) separately, if required. 3M states these accessories are excluded to comply with EU sustainability requirements, reduce e-waste and packaging mass, avoid duplicating accessories already held by users, and support modular power configuration.

** The 3M™ PELTOR™ WS™ ProTac XPI Headset is supplied with 2 × non-rechargeable AA batteries. For rechargeable operation, it can be used with the 3M™ PELTOR™ ACK053 Rechargeable NiMH Battery Pack, 2100 mAh (7100075338). Charging the ACK053 requires the 3M™ PELTOR™ FR09 charge cable (7100075611) and a compatible 3M™ PELTOR™ FR08 Power Supply (7000108521).

*** This accessory is sold separately and not included in the box. Excluding these components reduces e-waste and packaging mass, and avoids duplicating accessories many users already own (for example, USB charging cable & helmet adapters). If needed, include in your order.

Working together.

Your crews need PPE that doesn't get in the way of efficient aircraft movement and ground operations or seamless communication. That's why 3M's PPE options work together to help your workers stay protected.

Additional resources, such as 3M's Center for Hearing Conservation, fit testing and on-site training, can further support your crew every step of the way.

Contact your 3M sales rep to request a demonstration



Hearing and Protective Communications



Application	Product	Part Number
Plane positioning (Move Team); Engine testing and overhaul	3M™ E-A-Rsoft™ Yellow Neons™ Earplugs	C Reg C: 311-1250. Reg UC: 312-1250 Large C: 311-1251, Large UC: 312-1251
	3M™ PELTOR™ X4 Earmuffs	X4A
	3M™ E-A-R™ One Touch™ Pro Earplug Dispenser, Blue	391-0000
	3M™ PELTOR™ Electronic Earplug, EEP-100	EEP-100

Respiratory Protection*



Application	Product	Part Number
Paint, prime and strip	3M™ Secure Click™ Full Facepiece Reusable Respirator (available in multiple sizes)	FF-802
	3M™ Aura™ Particulate Respirator 9322A+, P2	9322A+

Head, Eye and Face Protection



Application	Product	Part Number
Heavy check (C&D) inspections	3M™ SecureFit™ 500 Series Safety Glasses	Options available
	3M™ SecureFit™ X5000 Series Safety Helmets	Options available
	3M™ W Series Face Shields & Visors	Options available

Fall Protection



Application	Product	Part Number
Heavy check (C&D) inspections	3M™ DBI-SALA® Delta™ Safety Harness	Options available
	3M™ DBI-SALA® Sealed-Blok™ Self Retracting Lifelines	Options available
	3M™ DBI-SALA® FlexiGuard™ Freestanding Ladder System	8517717
	3M™ DBI-SALA® Mobi-Lok™ Vacuum Anchor	Options available

*For respiratory protection, the appropriate cartridge/filter must be chosen according to all applicable regulations.



3M Australia Pty Ltd
Personal Safety Division
 Bldg A, 1 Rivett Road
 North Ryde NSW 2113
 Customer Service: 1300 363 565
 Email: 3Msupport.safety.au@mmm.com
 Web: www.3M.com/au/ppesafety

3M New Zealand Ltd
Personal Safety Division
 94 Apollo Drive, Rosedale
 Auckland 0632
 Customer Service: 0800 252 627
 Email: 3Msupport.safety.nz@mmm.com
 Web: www.3M.com/nz/ppesafety

This document shows only a few options of personal protective equipment (PPE) and is not comprehensive. Some environments or situations might require different or additional PPE. Selecting PPE is the responsibility of the employer and must be based on the work environment, specific hazards, and tasks involved.

3M PSD products are for occupational use only. 3M, PELTOR, WS, Yellow Neons, One Touch, E-A-R, Secure Click, Aura, SecureFit, DBI-SALA, Delta, Sealed-Blok, FlexiGuard, Mobi-Lok and E-A-Rfit are trademarks of 3M Company and affiliates. Please recycle. © 3M 2026. All rights reserved.