

# Communication solutions for the job site

## Safety and productivity by the numbers

Communication is critical on construction sites. Whether coordinating movement of materials or issuing warnings, it is important that workers be able to clearly communicate with each other while being protected against dangerous levels of noise.

**Audio devices: Two-way radios**  
Audio devices can help increase communication speed and fidelity, but there are some potential inherent problems:

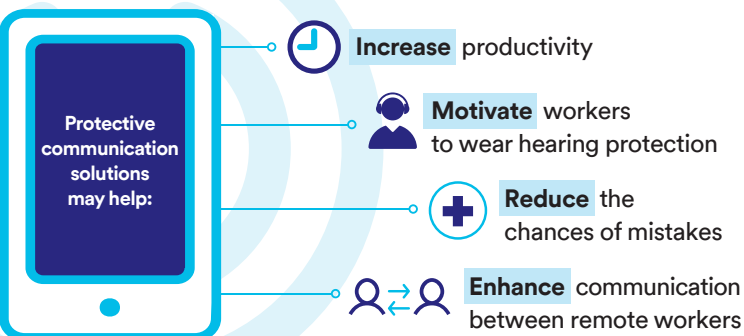
- Half-duplex**  
Communicates in only one direction at a time.
- Push-to-talk**  
Must press a key to transmit.
- Wires**  
May interfere with worker activity.

**SMART phones:**  
Duplex communication devices allow simultaneous two way communication along with these advantages:

- Bluetooth**  
Wireless and hands free.
- Wireless**  
Avoid equipment interference.
- Monitor Offsite**  
Personnel can monitor operations remotely.
- Cross-communication**  
Workers at different onsite locations can be alerted to operations they may need to be aware of.
- Training tool**  
Communication can be observed.



## The potential benefits:



Work conditions should be evaluated to determine if the equipment can be used safely. Users should always consult the instructions and follow national applicable regulations.

**To learn more**  
about the 3M™ PELTOR™ Wireless Communication Accessory, visit [3M.com/PELTORXseries](http://3M.com/PELTORXseries)

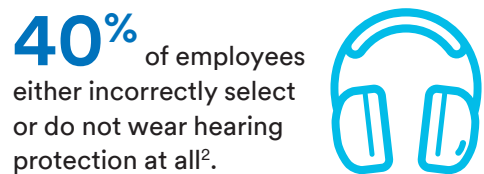
3M Personal Safety Division products are for occupational use only.  
**WARNING:** Hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For correct use, consult supervisor and User Instructions, or contact 3M Technical Service.  
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## Noise + hearing protection

Communication devices are useless if a worker can't hear a message. Depending on the job, noise exposure can be one of the most pervasive problems workers face.



In the UK, 1.1 million workers are exposed to noise levels above 85dB(A)<sup>1</sup>.



Occupational deafness claims on employers' liability insurance account for 83% of total industrial injury claims<sup>3</sup>.

1. <http://agency.osha.eu.int>  
2. HSE Report RR720 'Real world performance and use of hearing protectors.'  
3. <http://agency.osha.eu.int>

## The solution to help protect hearing + stay connected:

### The 3M™ PELTOR™ Wireless Communication Accessory

- ▶ Combine with 3M's line of X-Series earmuffs.
- ▶ Offering a range of products designed to protect against noise while minimising size and weight.

Protection + hands free communication can help create a safer, more productive worksite.