



WORKFORCE COMMUNICATIONS AND SAFETY SOLUTIONS

TWO WAY
RADIOS

CELLULAR
ENHANCEMENT

BODY WORN
CAMERAS

resound.co.uk



ABOUT US

Resound was founded in 1991, with the aim of offering cutting edge communication systems and solutions underpinned by exceptional service.

Today, we design, install and maintain the complete portfolio of leading professional radio systems and safety solutions, including two way radios, cellular coverage boosters, body worn cameras and video surveillance solutions.

Unlike less specialised providers, we are also recognised as official Motorola Solutions, Entel UK, Hytera, WCCTV, B-CAM and Avigilon Partners.

WHY CHOOSE RESOUND

- Over 25 years expertise in workforce communications
- We provide the highest quality solution from leading manufacturers
- Large customer base including, High Street Retailers, NHS Hospitals, Universities, Schools, Manufacturing & Transport companies
- Quality Assured to BSI: 9001:2015
- Constructionline and Acclaim SSIP approved Health and safety Assessment
- RISQS services provided by Achilles, railway industry supplier
- Excellent after-sale service - Trustpilot



TWO WAY RADIOS

CHOOSING THE RIGHT DEVICE



LICENSED



LICENSE FREE



PoC

LICENSED TWO WAY RADIOS

A licensed radio provides you with a unique frequency, through Ofcom, so that you can use your handportables legally within the UK.

Benefits	Disadvantages
Expandable	More costly
More powerful, longer range	Ofcom licence required
Improved security - other people cannot listen in	
Rugged Commercial Grade Construction	

LICENSE FREE TWO WAY RADIOS

License-free handportables or walkie talkies as they're also known are ready to use straight out of the box.

Benefits	Disadvantages
Low cost	Interference from other users
No Ofcom licence required	Only suitable to cover smaller areas
	Not rugged - more replacements

PUSH-TO-TALK OVER CELLULAR (PoC)

4G LTE Wi-Fi PoC radios combine the best of traditional PTT (push-to-talk) with national cellular network operation for best-in-class performance.

Benefits	Disadvantages
No costly installation	Ongoing Annual Sim-Card & Data costs
No infrastructure	Not as resilient as licensed radios - if the networks go down so do your communications
No Ofcom licence required	
Multi-network Sim-Card - practically unlimited range	

A SOLUTION FOR ALL

Investing in future-proof technology from brands like Motorola Solutions that scales with your business makes everyone in your organisation safer, more efficient and more secure - today and well into the future.

Every business faces pressures and challenges, more so today than ever. Whether you're running a manufacturing plant, transport company, hotel, hospital or school, you'll know how tough it is to achieve business objectives in an uncertain world where conditions can change at a moment's notice.

EFFICIENCY, PRODUCTIVITY & SAFETY – THE THREE PILLARS OF SUCCESS

Achieving business objectives is reliant on maximising efficiency, productivity, and safety. Get these right and operations proceed seamlessly, people and assets work to their optimum, and everyone and everything stays protected.

EFFICIENCY



Improving efficiency can generate savings across the business even when costs are rising. One great way to do this is for individuals and teams to work as one, with clear goals – everyone has a defined role, there's no duplication of effort or communication breakdowns.

PRODUCTIVITY



Being productive means you can react rapidly to unexpected interruptions, minimising impact and reducing downtime so deadlines and targets stay on track. Giving people the tools they need to be productive is a positive step that creates a sense of ownership and pride in a workforce.

SAFETY



Underpinning your business are your resources. Are you ready to respond in the moment to an injured worker, security breach or fire – before an incident becomes a crisis? Maintaining safety and security to meet legal regulations is also mandatory business practice that helps you avoid legal action, crippling fines or worse.

Communications can help bring these three key pillars together. Having an effective communications platform creates a working environment that is focused on achieving business objectives. But what makes a communications platform effective? And what do you need to consider to ensure your systems are fit for purpose?

EVALUATING YOUR COMMUNICATIONS

Just like business, communication faces its own challenges. For example, how to be effective across known coverage black spots, areas of high noise, hazardous environments, or places where different teams are using different devices. These challenges can be overcome with the right set up. The key is to step back and evaluate where you are and where you want to be. This should include some considerations that will define how your communications network will evolve as business requirements change.

Define Where You Are

Has your organisation grown rapidly since your last communication review? More staff, bigger premises, new systems and networks? If so, you've probably outgrown your platform and may even have spotted the danger signs – unreliable communications across your facilities, inability to access certain data services, lack of capacity. These shortfalls impact on your efficiency, productivity and safety.

Learn more about what the benefits of two way radio communication systems and discover other useful guides by visiting the following pages on our website.

Resound Blog: www.resound.co.uk/blog

Resource Page: www.resound.co.uk/resources

RETHINK SAFETY AND EFFICIENCY WITH SMART COMMUNICATIONS

Today's organisations face the unenviable challenge of meeting soaring customer expectations while keeping workers safe in dangerous and hazardous environments. Because when workers stay safe, factories work smarter.

TWO WAY RADIO FEATURES

Man-Down

Enhances the safety of workers by monitoring movement. Man Down triggers an emergency alert when a radio remains still for a period of time so operators can identify when a worker has become incapacitated and call for assistance.

Lone-Worker

Designed for personnel working alone in isolated environments. Lone Worker remotely monitors worker activity and initiates an emergency if a worker fails to respond to periodic alerts.

Remote Monitor

Allow a radio user to remotely activate another radio's microphone and transmitter. This feature is especially useful when supervisors need to monitor the activity of a worker to check safety standards are being met.

Location Tracking & Safety

Track your vehicles and your workers for improved safety. Multi-constellation GNSS provides increased accuracy for location tracking and people and assets. Combine these features with Lone-Worker and Man-Down, this significantly boosts safety.

Voice Dispatch

Control your workforce from a centralised location. Control Room dispatchers can be notified each time a radio is turned on and display a comprehensive view of who is available and who is not. GPS coordinates (outdoors) or bluetooth beacons (indoors) allow the dispatcher to immediately see where the user is on a map.

Built-In Wi-Fi

The latest professional radios now have Wi-Fi capability. Now you can update your radio software remotely - and that's just the beginning.

Intelligent Audio

Get clarity in every conversation you have. Environments such as a factory floor can be noisy, and workers need to hear and be heard clearly. Intelligent audio adjust the volume to your surroundings.

Rugged Design

Our devices are designed to the highest specifications both inside and out. Most of our devices have a dust and waterproof rating of IP68 and are ETSI DMR Standard Tier II & III compliant.

Alarm Integration

Integrate your two way radio communications with other application such as building management systems, fire alarms, intruder alarms, door/access control rooms and more.

Work Order Management

Manage workflows directly on the radio. Mobile workers can notify dispatch when the job is done, letting you track cycle time. Resolve customer issues faster, speed up response time and use your workforce more efficiently.

These are just a few of the features available with a two way radio communications solutions.

To find out more go to www.resound.co.uk



PUSH-TO-TALK OVER CELLULAR

Our DN495 4G LTE Wi-Fi Push-to-talk over Cellular (PoC) radios operate on National Cellular Networks. Combine this with the simplicity of traditional PTT operation and DN400 handportables deliver a significant step forward in capability and user benefits. A Smartphone App, Radio Gateway and PC Dispatcher options add even more flexibility.

DN495 radios deliver fantastic audio, clarity, quality & volume and the carefully designed ergonomics, ultra-tactile buttons and superior IP68 construction makes the DN400 radios perfectly at home in applications where much bigger commercial-size radios would have previously been used. No costly installation or infrastructure.

SOFTWARE SOLUTIONS

Entel's Advanced E-PoC PC Dispatcher software with map tools, combined with DN400 series radios and our Smartphone App, enables you to communicate with, locate, manage and ensure the safety of your mobile workforce.

- Mission Critical Services Ready
- Map / GPS Tracking
- Real-Time Positioning & Precise Location On The Map
- Local Recording



**Learn more about Push-To-Talk Over Cellular by
visiting www.resound.co.uk**



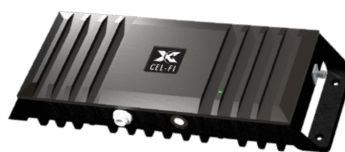
CEL-FI GO X

SMART SIGNAL BOOSTER

The Cel-Fi product line is the best solution on the market for addressing the universal challenge of poor cellular coverage in buildings and remote places.

This 100dB gain signal booster is ideal for use in commercial properties, government buildings, agricultural settings, small manufacturing operations, rural areas, businesses and large homes.

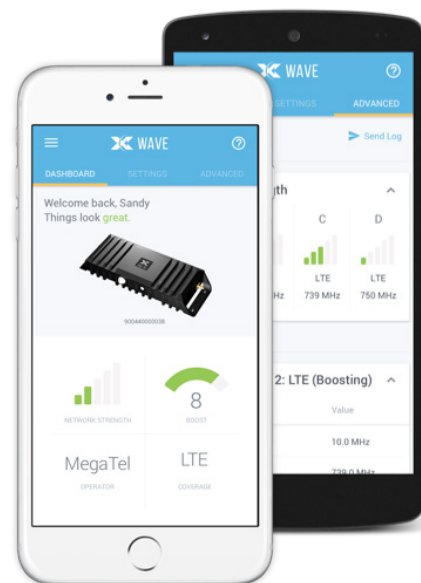
- Licence exempt and freely deployable in the UK and Ireland for Voice and Data
- 100db max signal gain with typical coverage area 15,000 sq.ft/1,400m²
- Supports one network per device, can be switched between networks
- Boosts both 3G & 4G signal coverage for O2, EE, Three or Vodafone, and all hosted MVNO under the Network of your choice
- IP66 rated for Dust and Water Protection
- For indoor use only
- SMA Antenna Connectors
- Fully meets the requirements of Ofcom SI 2018/399
- Cel-Fi GO X is CE and FCC approved
- Intelliboost Chipset - Unconditionally Network Safe



CEL-Fi Wave Portal

The Cel-Fi WAVE Portal is a cloud-based service that allows administrators to remotely manage Cel-Fi devices.

- A dashboard overview of all your systems
- Monitor and manage devices
- Real-time data and performance metrics
- Alarm policies
- Email and text notifications
- Software update management
- User and group management



Network Safe

Self-organising edge intelligence ensures that Cel-Fi GO does not interfere with other indoor wireless products such as Wi-Fi routers.

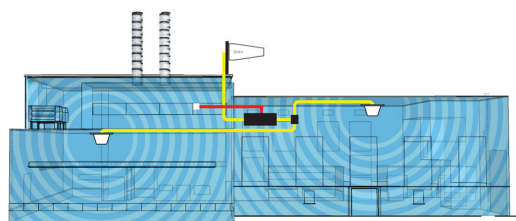
High speed Automatic Gain Control ensures that Cel-Fi GO are unconditionally network safe, and enables more simultaneous calls and higher data speeds.

IntelliBoost Chipset

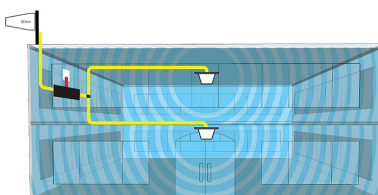
The Nextivity IntelliBoost baseband processor is the first six-core processor designed specifically to optimise the indoor transmission and reception of 3G and 4G wireless signals.

With advanced filtering, equalisation and echo-cancellation techniques, Nextivity has developed an architecture which delivers unprecedented in-building data rates and pervasive 3G and 4G connectivity. The IntelliBoost processor ensures that Cel-Fi products never negatively impact the mobile network while providing maximum coverage.

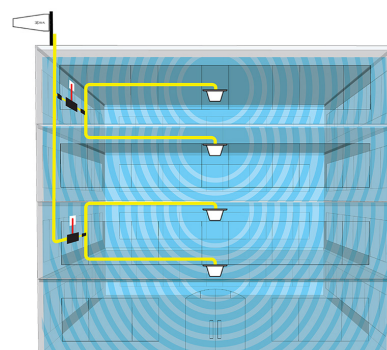
Sample Layouts



One Level



Two Level



Multi-Level

**Learn more about Cellular Enhancement by
visiting www.resound.co.uk**



BODY WORN CAMERAS

COMPLETE VIDEO MANAGEMENT SOLUTIONS

Resound supply a complete range of Body Worn Video solutions for organisations of all sizes, including body worn cameras, evidence management software (EMS), multi-unit charging cradles and supporting accessories for mounting the cameras.

WCCTV's market leading Body Worn Cameras are fully designed and manufactured in the UK, and boast a wide range of best-in-class features, unique functionality and are designed to be easy to use.

All of WCCTV's Body Worn Cameras are specifically designed for Body Worn Video applications. They have been developed in consultation with the Home Office to meet and exceed recommended standards for the effective deployment of Body Worn Video devices.

Resound offers two distinct variants of the Body Worn Camera. The Body Worn Camera (**Connect**) provides live transmission of video, alters and GPS location details from the camera by utilising 4G, 3G and Wi-Fi technology.

The Body Worn Camera (**Record**) is a market-leading local recording body worn camera that captures evidentially secure video and audio on the move.

Features and Benefits

Record Camera

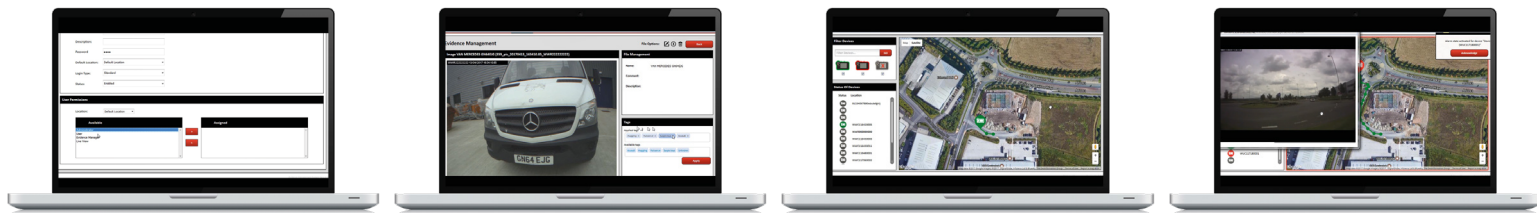
- UK manufactured market-leading body worn camera
- Up to 1080p playback at up to 30fps
- In-built Wi-Fi for transmission and wireless downloading
- GPS location information
- 2.8" front-facing display
- 125° horizontal x 78° vertical field of view
- Local recording up to 128GB providing 90 hours recording
- Durable housing - IP65 rated
- 120 second pre-event recording buffer
- Evidence Management Software for total case management
- Footage metadata contains date, time, location, device and user details for evidential usage
- 7-17 hour operation
- Multiple accessories to support deployment
- Live transmission version available
- 102mm x 62mm x 25mm (HxWxD)
- Weight: 200g
- 30, 60, 90, 120 second pre-event recording buffer

Connect Camera

- Live access video via Body Worn Camera
- Complete situational awareness
- 4G, 3G and Wi-Fi with automatic fall-back ensures unrestricted coverage
- Tiered data packages for optimal flexibility
- One-Box system - no wires, cables or external batteries
- 125° horizontal x 78° vertical field of view
- Up to 1080p playback at up to 30fps
- 2.8" front-facing display
- Local recording up to 128GB providing 90 hours recording
- Durable housing - IP65 rated
- Unique pre-recording functionality
- GPS location information
- Evidence Management Software provides full 128 (AES) encryption and video management
- Footage date and time stamp for evidential purposes
- 7 - 17 hour operation
- Multiple accessories to support deployment
- 102mm x 62mm x 25mm (HxWxD)
- Weight: 200g
- 30, 60, 90 or 120 second pre-event recording buffer



EVIDENCE MANAGEMENT SOFTWARE (EMS) PLATFORM



The Evidence Management Software (EMS) platforms offer secure and comprehensive management of videos and images taken from a WCCTV Body Worn Camera.

At Resound we are aware that one-size does not fit all when it comes to managing the files taken from your Body Worn Camera. That's why we have designed our Evidence Management Software platforms to be scalable, flexible and to work around your organisation.

EMS can be provided as a Cloud-based platform, as a hybrid installation onto your existing server infrastructure or as a single, standalone install to a local PC or laptop. The flexibility provided by the EMS allows our solutions to be suitable for the largest, complex deployments of Body Worn Video or for single user applications.

The EMS provides AES encryption, ensuring your files are completely secure, and a full audit trail to protect the evidential integrity of the videos you capture. Access to the EMS is password protected, and multiple user access levels can be allocated dependent on requirements.

Searching and organising your files is completely intuitive. Files are sorted and searchable by vital metadata such as date, time, location, device number and user. You can also add your own tags to files to make them even easier to find.

To ensure adherence to data-protection, WCCTV's EMS will auto-delete files after 30 days (configurable) unless you have marked them as important.

Features and Benefits

- Scalable Platform: Cloud-based, Hybrid or Standalone Install
- Easy to Use: responsive and intuitive design
- Secure: Transfer and store your AES encrypted data
- Password protected: Only authorised users can access
- Role based: Set designated administration levels and user access rights
- Manage your files: Organise and search for your files using detailed metadata
- Share: Collaborate on cases by securely sharing case files
- Data Protection: Files are deleted after 30 days (configurable) unless required for ongoing case
- Evidential usage: Provides full audit trail so your files are evidentially sound

Cloud-based, Hybrid or Standalone

Cloud-based: Access to WCCTV's EMS is provided to your organisation via the internet. It requires no physical installation and all your files are stored securely in cloud. This solution is ideal if you need to access EMS from multiple locations and / or lack onsite supporting storage infrastructure.

Hybrid Install: WCCTV will perform a custom install of EMS onto your organisation's server. This is ideal if you need to access EMS from multiple locations and have a preference to host the software on your own private network / robust onsite storage infrastructure.

Standalone: A single instance install of WCCTV's EMS onto your standalone PC or Laptop.



Resound Limited

11 Anglo Business Park, Smeaton Close, Aylesbury, HP19 8UP

Sales Support: mail@resound.co.uk

Technical Support: support@resound.co.uk

Sales: 0333 121 2000 Option 1

Technical: 0333 121 2000 Option 2

Accounts: 0333 121 2000 Option 3

Marketing: 0333 121 2000 Option 2

resound.co.uk



@ResoundLimited



/resoundltd