

Roadphone NRB

THE TWO-WAY RADIO SPECIALISTS

Radio Hire Guide



Roadphone NRB

THE TWO-WAY RADIO SPECIALISTS

It's a bold statement we know, however we believe our 40 years in the industry has allowed our company to grow in knowledge, expertise and equipment. From Roadphone NRB's inception we have been a family owned company, which we remain to this day.

We feel that family ethos resonates throughout the whole of our business passing through onto our client's. We are recognized dealers for major manufacturers in our industry ensuring that we are at the forefront of technological advancements allowing us to provide a bespoke service utilising state of the art technologies.

Our strength lies in our continued ability to deliver a reliable service at competitive prices.

The world's largest business estates, banks and event organisers trust our experience, knowledge and dedication to deliver. We have always welcomed new technology and been the first company to act as a National and international supplier for digital communication products.


We are BS EN ISO9001:2008 certificated displaying our continued improvement programme ensuring our clients expectations are exceeded on all levels. Environmentally conscious our BS EN ISO 14001 award shows our continued efforts to be as green as we can.




With an increasing amount of events supplied into the continent natural progression was for the company to step into operating a European office. Securing a supply and maintenance contract with the French Federation of Tennis further reassured Roadphone NRB was making the right decision.

In 2016 we took ownership of the French office and workshop with the team working hard to secure further contracts we have now become a major player with the French market in sport, congress and facilities management.

Whether you're in the UK, Europe or beyond much like our radios when you need us we'll be by your side.

 **Roadphone NRB Offices**

 **Places we've worked recently**





PROJECT MANAGEMENT

Why do some of the biggest events in Europe trust us?

From the moment you contact Roadphone NRB you will be introduced to one of our dedicated specialists. It's their role to ensure that you have all of the information you require to make a decision on handset, suitable accessories, radio system, Channel plan, durations of hire and licensing. Whether it's a small hire in an open space to an extensive coverage requirement you will be safe in the knowledge that our team draws from an abundance of experience. We're more than happy to guide you through any part of the process inclusive of site surveys and liaising with other parties on your behalf.

Our Project managers and engineers work closely together on many different types of events throughout the year. Along with project management we supply logistical support in delivery of goods inclusive of installation and deinstallation of systems where required. Should you require our technicians are available to remain onsite to run our asset tracking systems alongside providing technical support.





Push To Talk Solutions

PTT or Push To Talk solutions are becoming ever more popular in these modern times. Utilising the existing mobile cellular network these handsets are the perfect solution to immediate deployment requiring NO additional infrastructure or Ofcom licensing.

FAQ's

Q - Where can I use the radio

A - Anywhere there is a mobile phone signal

Q - Why not just use a phone?

A - These handsets are Tri-Sim, this means that they will roam between networks ensuring you have the best connection possible all of the time. Allowing multiple conversations to multiple users simultaneously, sharing vital information quickly by voice has never been easier

Q - Are there accessories?

A - Yes of course much like the digital radios please do ask

Q - How does the cost work

A - A flat rate is charged per week so you never get an unexpected bill.

On cloud login Dispatcher options for speedy deployment with additional features:

✓ GPS

✓ Individual calls to control

Chargeable by mini USB even your mobile battery charger pack or lap top can provide charging making this the perfect individual roaming device for a user.

Roadphone NRB currently stock two options in this niche market the Motorola TLK100 & Entel DN495

Ultimately this product provides total flexibility in:

- Coverage
- Deployment Activation
- Channel Operability

Roadphone NRB
THE 100% VOICE AND DATA SPECIALISTS



www.radiohire.com +44 (0)1778 393938

HIRE FLEET RADIOS

With a fleet in excess of 18,000 handsets if there's one thing we'll be sure of is that we will have the right handset for you.



**Motorola Solutions
DP3661e**



**Motorola Solutions
DP4800**



**Motorola Solutions
SL4000**



**Motorola Solutions
DP4600**



**Motorola Solutions
GP340**

Available Accessories



In-Ear Earpiece



Remote Speaker Mic



Over-Ear Headset



6-Way Charger

Handset choice can be led by a number of factors ranging from the end user to the functionality of the system if there is one ordered. We're very proud of our relationship's with major manufacturers Motorola and Hytera. These relationships allow us to not only ensure that our equipment is of the best condition when it reaches you but to also be the first in our sector to acquire development products leading their way into your hands.



**Hytera
PD985**



**Hytera
PD785**



**Hytera
PD685**



**Hytera
PD705**



**Hytera
PD505LF**

Available Accessories



In-Ear Earpiece



Spare Batteries



Remote Speaker Mic



6-Way Charger



ROADPHONE NRB: DRY HIRE

Complete radio solutions shipped within a professional case, meaning you can set-up in an instant.

We are recognised within the industry for supplying high quality bespoke cases specifically designed for their individual products and requirements. Radios are packaged in a waterproof, rugged case which is easy & comfortable to move. When you're ready to use the radios, simply open up the case, attach the antennas to the radios and you're ready to go.

Roadphone NRB have worked hard to provide a repeater solution to increase coverage whilst only weighing 12kg and remaining simple for you to deploy. The repeater is accompanied by a simple to install antenna with a 15m or 20m cable and a long-reach mains power cable.

Our event specialists will ensure that your repeater is correctly configured for your radios so all that's needed is to plug in the power and antenna. All of this inside a professional case light enough to carry. By utilising the Hytera RD625 Digital Repeater, two channels of crystal-clear digital communication can be supported per unit. This makes our mobile repeater the ideal solution for any small to medium-sized event.

The NRB Mobile Repeater ordinarily operates on our UK Standard Hire license, although can be programmed to purchased frequencies upon request and can support multi-site systems too. All easily shipped by courier.



ROADPHONE NRB: TOURER

Bespoke logistics solution. Our custom build flight cases have been developed with a direct insight into the events industry, giving you exactly what you need to easily handle radios at your event.

We pride ourselves in always listening to our clients. With the many differing types of events seen these days it seems to be the turn key solutions that work the best. The 'Tourer' has been designed with ease and practicality for the professional. This rolling solution will literally come off the truck, be positioned and opened up to reveal built in charging stations and a large storage area to the base of the case. All electrical equipment goes through an internal loom resulting in just one plug for the wall.

Available Accessories



Motorola 3000/4000 Series radios available for use with tourer

- Available with self assembly systems
- Multiple venue licencing arranged
- Long term hire deals



CHECKPOINT CHARLIE®

Roadphone NRB's own 'Checkpoint Charlie' Asset Management System allows on-site management of all your equipment.

Simple to use, the system records the serial number of equipment allocated to them (including radios, accessories and even your onsite vehicles and buggies), and then takes their details and a photograph of the user. Checkpoint Charlie creates ultimate accountability, enabling you to trace the last known user of missing equipment after an event.

Packed full of features including Outstanding Equipment Reporting, this multi-user system is mobile and easy to set-up. The system can be fully supported by Roadphone NRB for the duration of the event, or provided in 'Client Charlie' mode for you to use.

Single channel solutions can be shipped on courier for self-install, whilst multi-channel systems can be installed by our engineers and supported on-site.



TALKBACK UNIT

Developed in-house by our engineers, Talkback units are designed from the ground up to improve communications at your show or event

Roadphone NRB's talkback interface unit is designed specifically for the production industry, enabling traditional wired comms systems to be easily interfaced to a two-way radio channel.

A Motorola repeater is used to transmit and receive from the radios, and our bespoke-designed interface panels give an XLR input and output per channel. A switch on the front of the unit allows for easy transition from conventional 'talkthrough' repeater operation, to 'talkback' mode, which constantly transmits the output of the wired comms ring. We have developed this hardware to fit into existing rack space and have developed a flight case all-in-one solution ready for you to connect straight into.

This solution is ideal for remote users who still need to hear what's being said, such as remote camera points or roving production assistants.

Single channel solutions can be shipped on courier for self-install, whilst multi-channel systems can be installed by our engineers and supported on-site.

RADIO SYSTEMS

Increase your capacity and control with a Tier II or Tier III system from Roadphone NRB. With dynamic channel management and advanced features these systems are perfect for those looking to run large events.

Do your radios suffer from poor coverage around the event site? Do you require additional functionality Individual calling, Text messaging, Group calling or Communications encryption? Or do you simply not have enough channels to effectively co-ordinate your event?

By speaking to our event specialists, we can walk you through the decision of putting a radio system in place, we will work with you to ensure that the radio system will give you the coverage you need as well as the functionality you want.

Whether it's a Motorola Capacity Plus/Hytera XPT tier II solution or the more complex Tier III Motorola Capacity Max/Hytera DMR Tier III. You can be rest assured by talking to Roadphone NRB you're in great hands!!



- ✓ Up to 1,200 radios
- ✓ Static and Noise Rejected
- ✓ GPS Data Services
- ✓ Text Messaging
- ✓ Increase System Capacity
- ✓ Emergency Button
- ✓ Transmit Interrupt
- ✓ Direct Calling
- ✓ Digital Increases Radio Battery Life



	TIER II	TIER III
Group Calling	✓	✓
Individual Calling	LIMITED	✓
Emergency Calling	LIMITED	✓
Priority Interrupt	✓	✓
GPS (Real Time)	LIMITED	✓
Text Messaging	LIMITED	✓
Remote Kill (Disable)	✓	✓
System Management	LIMITED	✓
UHF & VHF	✓	✓
Call Queuing	✗	✓
Call Level Priority	✗	✓
Over-Air Programming	✗	✓
Multi-Site	✓	✓
Battery Back-up	✓	✓

What is a Radio System?

A radio system allows you to increase coverage across your site, a single repeater or combination of repeaters can be used to amplify the radio signal. Radio systems come in conventional or trunked modes; in a conventional radio system channels are bound to particular slots where as a trunked radio system dynamically assigns the call to an available slot. Trunking allows you to increase channel capacity whilst keeping repeater costs down, you could theoretically have near unlimited channels, as long as there is a free slot. With a Tier III trunk radio system, you can have access to some advanced features such as an All Call, dialling specific radios, text messaging and GPS tracking. You are also able to link multiple sites; hand portables will roam between the different sites thus increasing the coverage area.



RADIO DISPATCH SOLUTIONS (CONTROL ROOM)

Communication is a lifeline. Connecting teams with greater speed and efficiency to a service that unites different devices, networks and locations enables everyone to stay informed and focused at all times.

GROUP AND PRIVATE CALLS

Monitor a number of talk groups and talk on any as needed. Use private calls for direct communications with members of your organization. Crisp, clear audio ensures your most important communications are heard.

MESSAGING

Text messaging provides a supplement for additional intelligence.

MAPPING

Google Maps integration provides the exact location of talk group members for better team awareness. Call or message members directly from the map for fast private communications.

HISTORY

View a historical feed of call and text activity across all of your talk groups.

SECURE

TLS encryption between the client and the proxy server ensures your private communications stay just that. All WAVE channels can be configured for AES 128 or 256 encryption.

- ✓ GPS Tracking
- ✓ Alarm Management
- ✓ Web Interface
- ✓ Guard Tour
- ✓ IP Cameras
- ✓ Voice Dispatch
- ✓ Mobile Client
- ✓ Telephone Interconnect
- ✓ Indoor Positioning
- ✓ Job Ticketing



ROADPHONE NRB: MASTS

Entering our workshop is just the start for our masts

Improve and develop is the Roadphone NRB way... Our masts go straight into the workshop after purchase go through a full "MOT".

- ✓ **Mechanical motors are added to improve speed of deployment**
- ✓ **Aluminium boxing is fitted to hold our radio systems creating greater flexibility in positioning as we don't rely on other structures to house our solutions**
- ✓ **Full electrical refit to enable safe power to our systems**
- ✓ **Solar panels are added combined with a solar recharge system**
- ✓ **Extensive battery back up system is inbuilt ensuring that if power is lost the radio system continues to work**
- ✓ **Deployed to some of the highest points in the UK & Europe our masts stand alone ensuring your coverage requirements are met**

PA SYSTEMS

- ✓ 100v Line PA Systems for Wide Area Audio Coverage
- ✓ Weatherproof, robust & resilient
- ✓ Low space impact; can easily be fitted to street furniture
- ✓ Supported by On-Site Production Services
- ✓ Utilise PA to relay information to your attendees
- ✓ Zonal systems to pin point your desired audience
- ✓ Voice of God to send your message from a two way radio



CCTV SOLUTIONS

- Can Be Internet Linked to Remote Viewing Stations ✓
- 4G CCTV camera allow for flexible deployment ✓
- Recording of CCTV, presented to client after event ✓
- Range of low-light, PTZ dome and fixed bullet cameras ✓
- Flexible Deployment by NRB Engineers ✓





CASE STUDY:

Roadphone NRB & Motorola solutions are communications partners for the inaugural women's tour of Scotland

The Challenge

Commissioned with deploying the radio system for the Women's Tour of Scotland, Roadphone NRB needed to design a solution that would operate smoothly and give continuous high-quality coverage along a rolling event, with support vehicles travelling at speeds of up to 60km/h. Additional challenges to be considered included the sometimes mountainous and extremely remote terrain along the race route, the large gaps that can open up between the leaders and the back of the race and, of course, the Scottish weather.

The Solution

Roadphone NRB supplied a hired MOTOTRBO system comprising four MOTOTRBO SLR 5500 repeaters enabled with MOTOTRBO Link and 150 digital radios. Roadphone NRB's engineering department set to work designing bespoke roof racks to safely mount the antennas on the cars housing the four MOTOTRBO SLR 5500 repeaters, which were connected via RF backhaul using MOTOTRBO RF Link technology, to increase rolling coverage.

Roadphone NRB spent several days on site prior to the start, installing the system and radios, and training and setting up talk groups – one for organisers, one for Radio Tour live race updates and messages. Every motorbike and car in the convoy was equipped with a radio, so the race and route director could communicate clearly with all involved, at all times. Race officials, team cars, marshals and assigned police officers could all communicate on the network.

Another Happy Customer

"the service and delivery we've received from Motorola Solutions trusted partner Roadphone NRB was impeccable. We look forward to a long-term partnership."

Managing Director Womens Tour of Scotland.



ROADPHONE NRB: AERODECK

Roadphone NRB's fleet of event specific trailer solutions

Built by Roadphone NRB our trailers are designed to allow the events professional a space in which to operate at their full potential. From a village fete to an international show we have a trailer for you. These solutions are all fully equipped with electrical RCD, air conditioning delivered and set up by our team. Complete with furniture allowing the units to be used as an office, control room, radio distribution or security position.





Aerodeck Mini – Small easily positioned – 360 degree glazed – Room for 2 personel

Aerodeck Twin Room – Long length trailer compromising of two rooms with their own entrance/ exit and an interlocking door- Room one consist of 180 degree glazed space perfect for small/ medium sized operations – Room two consisting of high level glazing for privacy making the perfect space for cash counting/ medical administration

Aerodeck Twin Tier – Two story trailer providing the ultimate 360 degree viewing platform to control your event from. Both floors come as fully equipped work spaces with ample electrical supply for all that you need to control you event.

Aerodeck Exhibition Trailer – The largest of our fleet this unit is built on a HGV trailer chassis. Built in the manner expected of an Aerodeck Trailer it expands out to almost double its foot print. Can hold up to 10 personel comfortably with full electrical and networking infrastructure private "breakout meeting room" and kitchen !!!!!

All of our trailers come as part of a radio package with the option to add CCTV and PA if you wish.


lte**NEW PRODUCT**

Compact and easy-to-use (PoC) solution for instant communication

For improved productivity and efficiency many organisations are adopting Push-To-Talk over 3G/4G/WiFi networks which provides instant communications with large coverage and national or international connectivity.

SPEAK TO US TODAY +44 (0)1778 393938