



net

North East  
Telecommunications Ltd

## PRODUCT DATASHEET



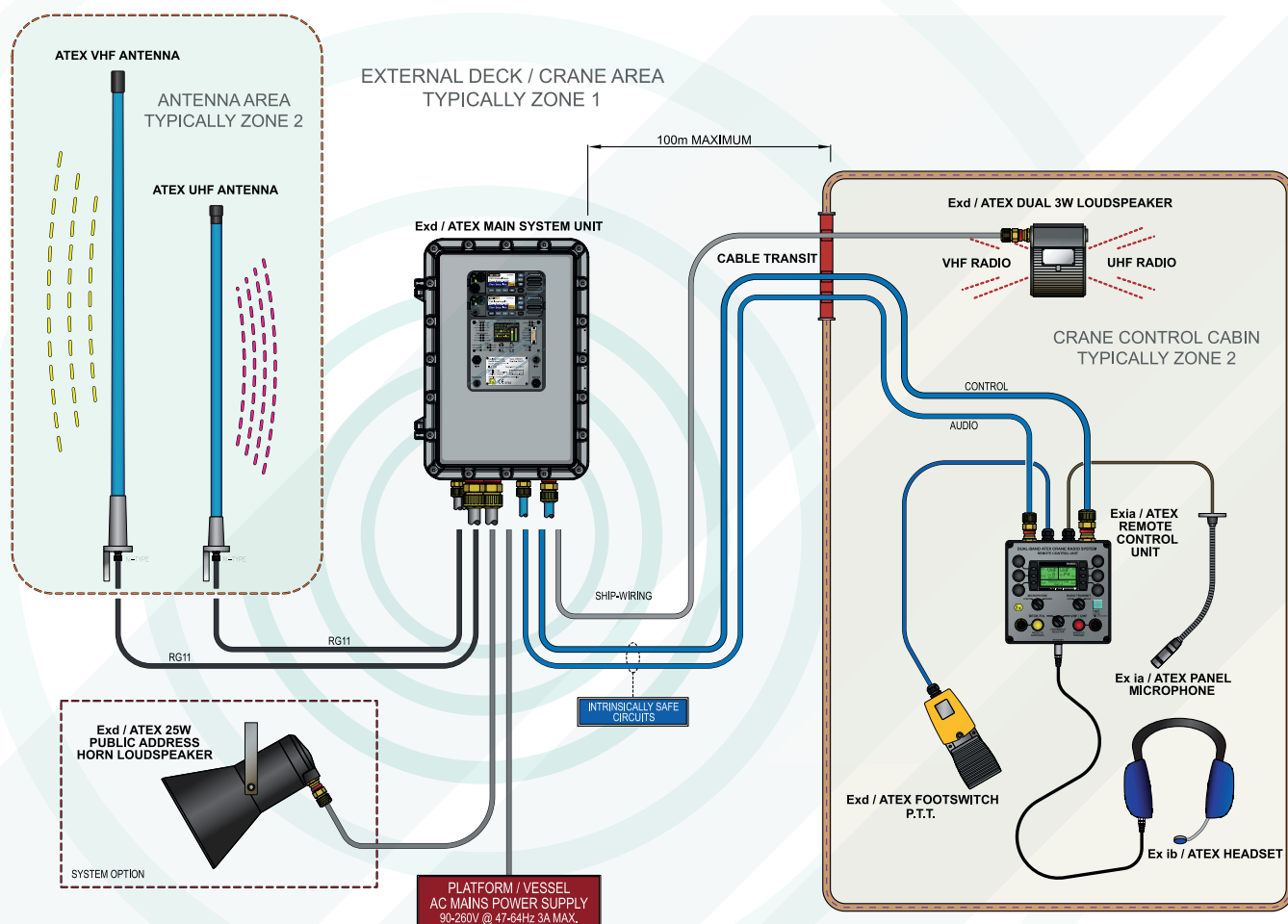
## Dual-band ATEX / Ex Crane Radio System

A fully certified digital two-way marine radio system covering VHF and UHF bands for installation in hazardous areas where space is at a premium.

# ATEX / Ex Dual-band Crane Radio System

For over 20 years NET are experts in manufacturing EX Dual-band Crane Radio Systems, providing best in class reliability and safety to support offshore operations.

Offering a fully certified solution as an ISO9001 accredited supplier with an unrivalled support and service pedigree. The Crane Radio System is optimised for use with offshore cranes that are located in a Zone 1 area and where space inside the crane cab is limited.



Compact internal console and user interface



Integrated public address system with hands-free operation for critical operations.



Complete turnkey system including installation specific drawing set



2 radios with separate antennas in Exd outside the crane cab



Latest Motorola radios with unrivalled sound quality and comfort for the operator



Ease of installation and integration with 24/7/365 onshore support available



**net**

North East  
Telecommunications Ltd

## Contact

133 & 133A Victoria Street, Dyce, Aberdeen, AB21 7BJ  
T : 01224 775717 (24 hours) E : [info@netltd.co.uk](mailto:info@netltd.co.uk)

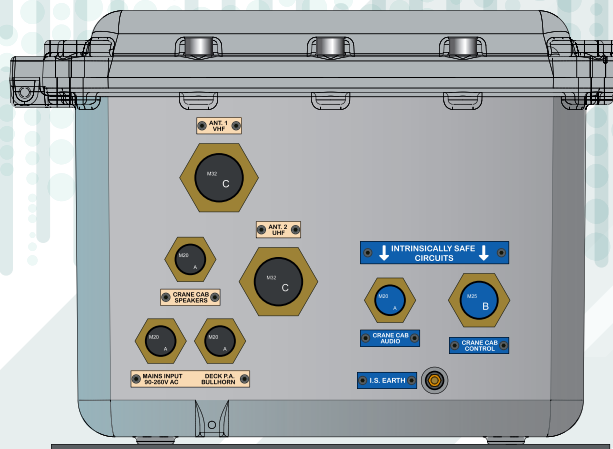
[netltd.co.uk](http://netltd.co.uk)

## Trusted Partner

North East Telecommunications has been supplying marine two-way radio systems to the offshore industry for over 25 years with thousands of radio systems in constant operation worldwide in a variety of safe and hazardous area applications.

As a Motorola Platinum Partner and the second largest reseller of ATEX Motorola radio equipment in the UK, NET has access to the latest technologies and support networks from Motorola and can supply, install and maintain systems from individual radios to the latest complex turnkey digital infrastructures.

NET have been manufacturing and supplying similar ATEX / Ex crane radio systems for over 20 years, with this new product building on a proven pedigree and experience to offer Customers the latest digital technologies to enhance operations and safety.



## Benefits



### TO THE OWNER:

- Fully certified solution from an ISO9001 accredited supplier.
- Integrates with latest digital radio systems being deployed offshore.
- Assured and trusted supply partner with unrivalled support and service pedigree.
- Providing best in class reliability and safety to support offshore lifting operations.
- Knowledge that end users are provided with best ergonomics and comfort.
- Comprehensive documentation, system certification and drawing package – including turnkey installation specific drawing set.
- Online user competency training and familiarisation provided – with accessible user training record / certificate.

### TO THE USER:

- Ease of use.
- Reduced stress through low-noise clear audio performance.
- Full adjustability of listening volumes from all sources, managed dynamically.
- Adjustable 'ambient' sound included in headset audio for local awareness / monitoring.
- Quick selection of which radio has transmit 'duty' (VHF / UHF).
- Quick selection of configurable 'Home' and Emergency channels for simplified use.
- Dual footswitch for hands-free radio / P.A. control during critical operations.
- User 'Profile' can be saved and recalled for each operator to reduce setup time and complexity at the beginning of shift.
- Simple on-line video-based competency training / familiarisation provided.

### TO THE TECHNICAL TEAM:

- Ease of installation and integration within existing infrastructure.
- Comprehensive and fully controlled documentation package with Customer / site specific installation drawing / information.
- System uses the latest digital technology with full diagnostics and monitoring.
- Advanced warning of any system issues available at the Operator control unit and at the external Ex-d unit.
- Access to system configuration, status monitoring, event history and diagnostics without the need to open Ex-d enclosure.
- Configurability to match existing infrastructure and equipment, supporting future upgrades.
- 24/7/365 onshore support available.



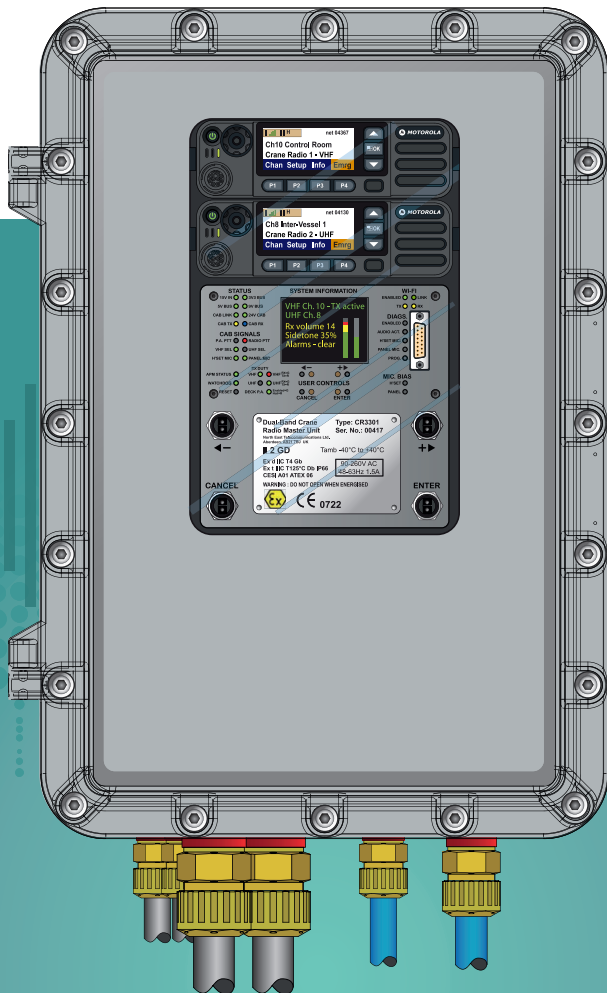
**net**

North East  
Telecommunications Ltd

## Contact

133 & 133A Victoria Street, Dyce, Aberdeen, AB21 7BJ  
**T** : 01224 775717 (24 hours) **E** : [info@netltd.co.uk](mailto:info@netltd.co.uk)

[netltd.co.uk](http://netltd.co.uk)



## Applications

- Offshore cranes working in hazardous areas.
- Limited-space crane control room / cabin installations.
- Upgrades of existing crane radio systems to latest digital technologies.
- Offshore drilling rig / MODU cranes, production platforms, FPSOs, Well Intervention vessels.
- Zone 1 Drilling control rooms.

## Overview

Optimised for use with offshore cranes that are located in a Zone 1 area and where space inside the crane cab is limited.

Two independent Motorola DM4601e professional digital radio transceivers covering the VHF and UHF bands are installed in an Ex-d explosion-proof enclosure suitable for Zone 1 areas typically outside the crane control cabin.

An intrinsically safe Ex-e / Ex-i control unit is located with the crane operator inside the Zone 2 control cabin allowing full control of the radio systems.

Radios are from the latest Motorola Solutions 'MOTOTRBO' range offering advanced calling and transmission features within a digital infrastructure and Bluetooth programming.

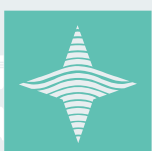
Up to 16 independent channels can be programmed into the VHF and UHF radios to match the owner's operational channel structure with channel selection under the control of the crane operator.

Latest generation of digital audio processing gives unrivalled sound quality and comfort to the operator whether using a headset or ambient speakers and microphone.

An integrated 25W public address system is included to allow the crane operator to make announcements to deck crew during critical operations.

Operator controls are clear and rugged ensuring reliability and safety, with a dual footswitch provided to allow hands-free operation of radio transmissions and P.A. announcements.

The system includes a variety of advanced features to provide the greatest usability and convenience for the crane operator, simplified maintenance and configuration for engineers and reliable operations for this mission-critical application.



**net**

North East  
Telecommunications Ltd

## Contact

133 & 133A Victoria Street, Dyce, Aberdeen, AB21 7BJ  
T : 01224 775717 (24 hours) E : [info@netltd.co.uk](mailto:info@netltd.co.uk)

[netltd.co.uk](http://netltd.co.uk)