

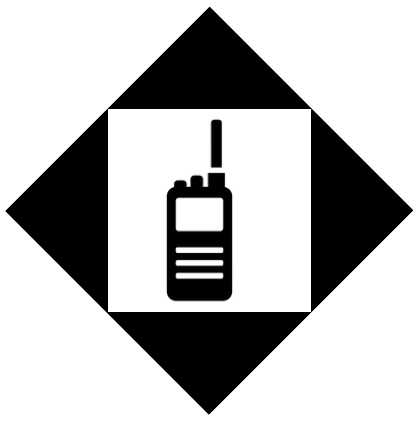
UNIFON

DESIGNED
TO
ENDURE
BUILT
TO
EXCEL

2 YEARS
WARRANTY

**UF
500**





MESH AND RELAY FUNCTION

EXTENDED RANGE RELAY (R&R)

The **UNIFON UF-500** features a powerful Repeater and Mesh function, extending communication range by receiving and retransmitting signals across greater distances. Acting as an intermediary, it relays signals, bypassing obstacles like buildings or hills for uninterrupted communication in challenging environments.

CONNECT UP TO 30 REPEATERS IN MESH for a robust, interconnected network that keeps you connected wherever duty calls.



Extended work with **10000mAh battery**



PC Configurable



Built to **endure**, made to last

APPLICATIONS



MINING OPERATIONS



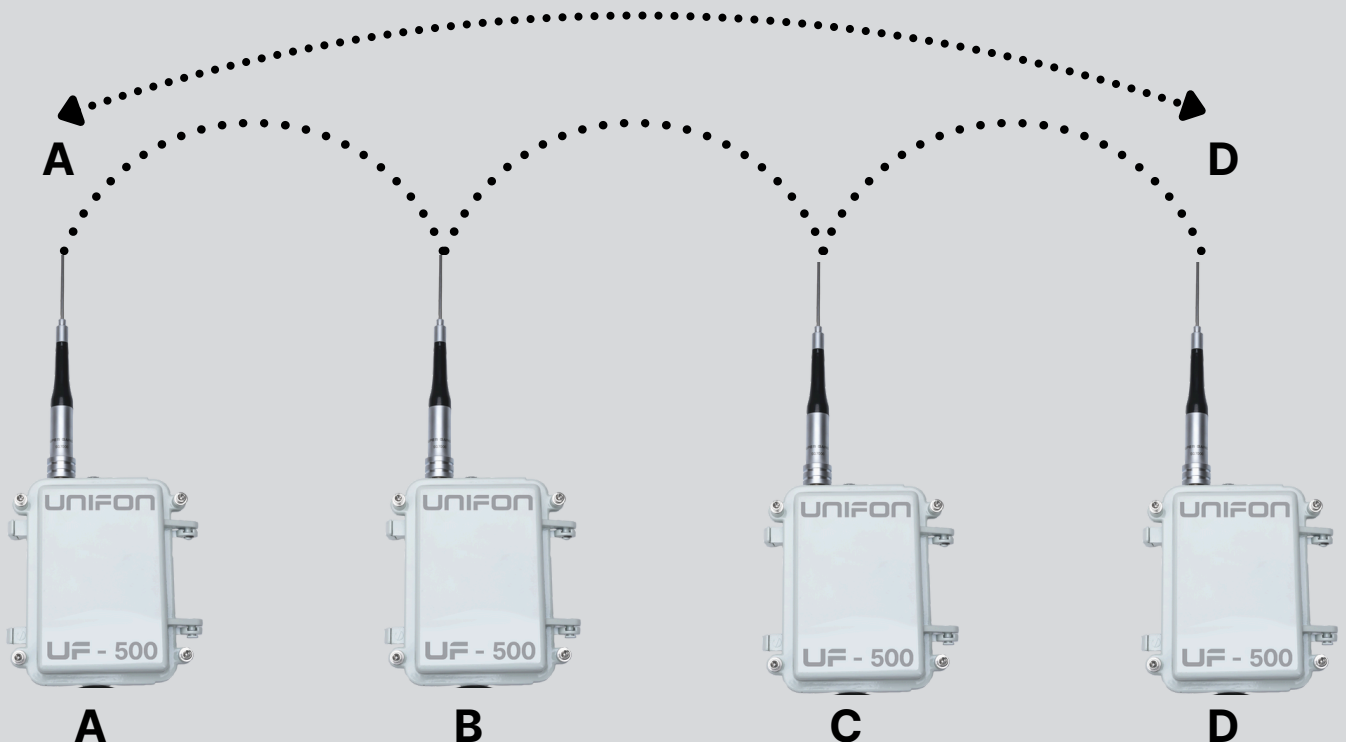
ROADWAYS



TUNNEL INFRASTRUCTURE



CONSTRUCTION



NDMR Communication principle

SPECIFICATIONS

GENERAL SPECIFICATIONS

Frequency	446-446.2 MHz
Channel Capacity	6 channels
Power Supply	12-15 V DC
Dimensions	185mm(H) X 125mm(W) X 65mm(D)
Weight	1.40kg
Operating Temperature	-20°C to +60°C
Battery Capacity	10000mAH Li-ion

Transmitter

RF Power	0.5 W
Channel spacing	12.5 kHz
Frequency Stability	±1.0ppm
Modulation Deviation	≤5kHz
Spurious & Harmonics	-36dBm<1Ghz, -30dBm>1Ghz
FM Hum & Noise	≤-40dB / ≤+40dB
Audio Frequency Response (Premphasis, 300 to 3000Hz)	+3dB ~ -3dB
Audio Distortion (Premphasis, 300 to 3000Hz)	<3%
Antenna Impedance	50 Ω

Receiver

Sensitivity (12dB SINAD)	≤0.25uV / ≤0.35uV
Audio Distortion	≤3%
Radiated Spurious Emissions	-54dBm
Intermodulation Rejection	-70dB
Audio Output	1W



DATA SHEET

ACCESSORIES



Adaptor

Fast charging with maximised compatibility



Antenna

Clear signal, Clear communication

- No Extensive Wiring
- Installs Easily
- Rechargeable backup battery that automatically supplies power in case of power failure
- Light weight, Sealed, Weather - resistant housing

UNIFON

Why UNIFON ?

Unifon is a leading provider of advanced communication and safety solutions, specializing in walkie-talkies, body-worn cameras, alcohol analyzers, antennas, and a wide range of essential accessories. Unifon is dedicated to quality, reliability, and innovation in every product, aiming to set new standards in safety and communication technologies.

Our mission is to deliver high-performance tools for professionals across various industries, with a vision to be the go-to brand for dependable, innovative communication solutions. Unifon's commitment to quality ensures our products meet global standards, making us a trusted name in safety and communication.

Mission

To provide reliable and innovative communication and safety solutions that empower industries and individuals with high-performance tools, enhancing safety, efficiency, and connectivity.

Vision

To become the global leader in communication and safety technology, delivering cutting-edge solutions and setting industry standards for quality, durability, and trust.



Integrity

Upholding honesty and transparency in all our dealings.



Innovation

Continuously advancing technology to meet evolving industry needs.



Quality

Ensuring every product meets the highest standards of performance and durability.



Customer-Centricity

Focusing on client needs and satisfaction, providing exceptional after-sales service.



Reliability

Providing dependable products that withstand rigorous conditions.



Industry Expertise

Specialized in walkie-talkies, body-worn cameras, alcohol analyzers, and communication accessories.



High-Quality Products

Crafted for durability and performance in diverse professional environments.



Comprehensive Range

From communication devices to essential safety gear, we offer a complete solution.



Customer Commitment

Dedicated to exceptional support and after-sales service.



Trusted by Professionals

A reliable partner for security, logistics, law enforcement, and various other sectors.

2

YEARS
WARRANTY

UNIFON



www.unifon.in