

# Emergency and communication Radio System

In industrial environments

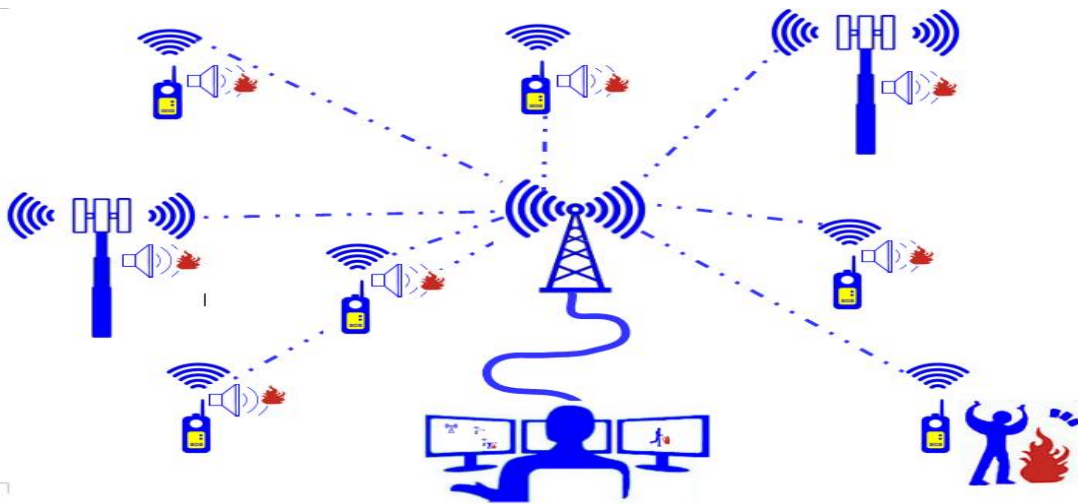
Radiobox<sup>®</sup>



## Radio emergency communication system

The system consists in a range of radio communication terminals dislocated all over the territory and controlled by a central unit. The terminals can be distributed locally, regionally, or nationally as long as covered by a dedicated radio network. The terminals do not require linking cables nor specific connections as they are supplied by main electricity or solar panels where necessary. The system relies on digital radio networks, both DMR and TETRA. Equipped with inner battery they can stay operative for hours even in case of voltage shutdown.

The central unit for control and the attendant console constantly supervise the system efficiency, notifying the contingent anomalies reported by Radiobox terminals (link absence, low battery, tampering, radio coverage problems...)



**ALERT NOTIFICATION** → **ALERT MANAGEMENT** → **RESOLUTION**



- Emergency call toward command centre
- Diffusion of emergency messages, even across wide areas
- Sound and visual alert
- High sensitive mic and powerful loudspeaker
- Remote supervision



# Radiobox®



Radiobox represents a great gathering spot and communication point in emergency case.

Radiobox can be used to **send and receive emergency signals** and to communicate with the operator via speakerphone or by adding a receiver. At any time, once received the emergency signal, the operator can manage it directly or opt for other indirect management solutions, focusing on the sites most in need.

Sound quality is assured by a high sensitive microphone working a **noise-cancelling algorithm** and by high powered loudspeakers.

RadioBox can even work as daily **public address** device only. Its powerful loudspeaker can be set into action for sound broadcast in specific sites, wide areas, or the whole installed network (factory, community...). The operator can autonomously decide where to broadcast the messages.

## Environmental sentry

RadioBox terminal can work also as collector for ingoing and outgoing signals. Controlled in a centralized way, RadioBox can accommodate different analogue or digital detectors (contacts, temperature sensors, smoke sensors, level sensors, air quality sensors, manostat...) and can be arranged with ports for drive units (pumps, sirens, door openers...).



## DMR – TETRA digital communication

Digital radio communication means robustness and monitoring.

The supervised redundant repeaters assure the reliability of the RadioBox emergency system

Mobilcom creates Radiobox for different settings, capable of fulfilling miscellaneous functions, even only of loudspeaker.

Radiobox with the sole function of **public addresser** could be small sized for domestic use (office, workshop...) or on pole equipped with high powered horn loudspeakers for squares or wide outdoor locations. These terminals are extremely useful for temporary installations or in case of laborious or



## Radiobox®

### TECHNICAL DATA

Protection degree.....IP 54  
 Ambient temperature.....-10 +50°C  
 Storage temperature.....-10 +50°C  
 Power supply.....220V-240V AC 50Hz  
 Input power.....60W  
 Dimensions.....520x212x119mm  
 Weight.....7,5 kg Ca.

## Minibox®

### TECHNICAL DATA

Protection degree.....IP 54  
 Ambient temperature.....-10 +50°C  
 Storage temperature.....-10 +50°C  
 Power supply.....220V-240V AC 50Hz  
 Input power.....60W  
 Dimensions.....380x220x115mm  
 Weight.....4,5 kg Ca.



## Radiobox® ATEX

### TECHNICAL DATA

Protection degree.....IP 54  
 Ambient temperature.....-10 +50°C  
 Storage temperature.....-10 +50°C  
 Power supply.....220V-240V AC 50Hz  
 Input power.....60W  
 Dimensions.....290x210x185mm  
 Weight.....12 kg Ca.



## Audiobox®

### TECHNICAL DATA

Protection degree.....IP 30  
 Ambient temperature.....-20 +60°C  
 Storage temperature.....-40 +85°C  
 Power supply.....220V-240V AC 50Hz  
 Battery power.....12V AC 2,3 Ah  
 Dimensions.....181x231x101mm  
 Weight.....3 kg Ca.



Audiobox solution is available in different colours

**MOBILCOM**  
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