

# UHF Intercom System

## Features

### UHF intercommunications system

Full duplex very high audio quality

Analog FM audio transmission with emission of numeric codes for the control

22 broadcast frequencies (470MHz - 862MHz)  
22 reception frequencies selectable over up to 20 MHz ( 3 UHF-TV channels )

Adjustable base broadcast power  
50 / 500 mW + booster module 5W (country dependent)

Mobile broadcast power 10 / 250 mW with power variation control

Receiver sensitivity superior to 3µV for more than 90dB S/N

XLR-4 connector with integrated electret power supply (5V)

Digital squelch data protecting the Overline receivers against external UHF perturbations when the mobiles are not on permanent broadcast.

Mobiles run on Ni-Mh removable batteries (6,5 hours on permanent broadcast, 11 hours in reception)

Keyboard includes 5 selectable directions materialized by 5 very ergonomic buttons with a repeat of colour association

Remote control of the mobiles from the base  
Report and monitoring on PC

Frequency agility mode enables a nearly unlimited number of mobiles

A system entirely adjustable that can be integrated to any other audio system (4 wires intercom, matrix, party-line...)

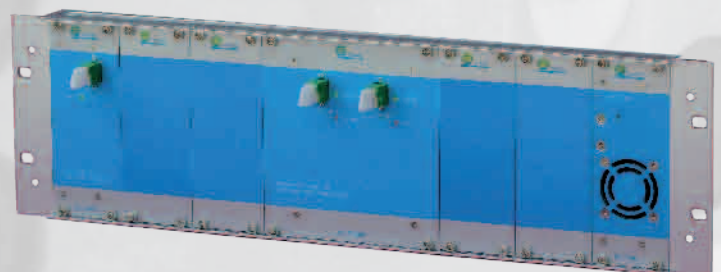


### Content of a UHF intercom system intercom UHF of 10 mobiles in frequency agility mode :

- 10 Intercom mobiles
  - 10 Ni-MH batteries of 4,8 V
  - 10 Headsets
  - 4 Reception diversity cassettes
  - 1 Broadcast cassette with a duplexer
  - 1 Power supply cassette
  - 1 Multicoupling cassette
  - 1 Rackable container 19" - 3U
- Cables, antennas and accessories...

Ref - UC DP  
Ref - UC B4,8  
Ref - MC XX  
Ref - UC RX  
Ref - UC TX  
Ref - UC PS8  
Ref - UC CA4  
Ref - UC RB

### New : the Optic modulator /demodulator !



This new system uses **optic fiber** \* technology allowing to broaden the UHF covered area with no constraints



**OVERLINE**  
systems

# UC range Solutions

**Teamwork, wireless long distance intercommunications**  
**The Overline UHF intercom offers simultaneously :**

- **Quality**

Appreciate the comfort of a **full duplex very high audio quality** \*

- Simultaneous UHF broadcast /reception
- Audio quality that meets broadcast recording criteria

- **Reliability**

Control all the parameters of communication in real-time thanks to the remote digital control system :

- Piloting the mobile from the base in real-time (level microphone control / broadcast frequency / broadcasting ...)
- Piloting the entire system from a computer

- **Flexibility**

Benefit from the high user flexibility thanks to the **complete\* multiplex modes** and **the frequency agility** \*

- Simultaneous communication of an unlimited set of mobiles that can belong to different networks
- The mobiles 5 buttons keypad enables the user to access independently ( GPI remote control) up to 5 main networks
- Mobiles assignement to the network can be modified
- Use an unlimited number of mobiles on a reduced number of receivers and frequencies.

- **Modularity**

Benefit from the complete adaptable configuration of the system as well as its perfect integration to your existing installations :

- Configuration 'à la carte' for the modules of the base
- Connectable with any other communication system (UHF/Wire)

- **Liberty**

Benefit from full unrestrained mobility , thanks to the extension of UHF covered areas

- From 500 m (antenna post) up to 5 km (from a helicopter)
- Extension with no constraints and nearly unlimited on **optical fiber\***

\* refer to UC data sheets

*Overline-systems : the excellence of UHF communication !*