

WLP com

Communication platform

WLP TWO WAY RADIO



System description :

The WLPcom Two Way Radio communication platform is based on POC (Push to Talk Over Cellular) technology and guarantees instant communications over a very wide coverage area, national or even international, using the 3G / 4G / LTE or Wi- Fi. It can therefore be said that this communication system has no limits, being able to overcome any border.

The POC communication system allows immediate communications in the field, both Professional and Amateur or Sports, voiding the barriers related to the device, **the type of network (repeaters, radio links, etc.) and eventually relevant expensive ministerial licenses** and also guarantees a **EXCELLENT QUALITY** of the voice message totally free of disturbances, rustles and distortions.

Main features



One Click Communication

Multi-access communications (multiple communications simultaneously without limits), rapid and instant PTT-type communications (press to talk). Support single calls and group calls to meet urgent and fast communication needs.



Priority call

The system manages 10 call priority levels. It is therefore possible to build a real "hierarchy" in communication services according to the roles and needs of each operator. Special services such as emergencies have the highest priority, in order to ensure that important information is passed on first. The system also allows you to manage safety functions such as rapid call for assistance, or personal safety functions such as **man down** or **man alone**



Wide coverage, high quality call with confidence

The service is based on 3G, 4G, LTE and WLAN with wide coverage and satisfies the most varied communication needs. The high reliability and robustness of the equipment, and the particular transmission technology allows it to be used in any environment and condition.



Audio and simplex and full duplex

Simplex or full duplex audio, private or group calls, private / group chat, alarm messages with geo-location; high audio quality. This system meets the needs of detailed and stable communication.



Instant messaging

It supports text, image, location, file and other message formats, in order to meet the multimedia communication needs.



Huge variety of functions for the WEB dispatcher

By combining the dispatching of voice, video and maps, the terminal can be remotely controlled to implement functions such as monitoring, positioning, transmission, realtime video and remote stun / kill

The WLPcom Two Way Radio platform allows you to create a secure and reliable communication system structured on the real needs of each user.

- With the **WLPcom** management software application it is possible to configure a real "Operations Center" with a dispatch platform based on a web browser to support all the functions of the radio terminals and **allow complete control and geo-localization (if required) of all the systems.**
- The management of the system, carried out on a web platform and supported on a Cloud Server, allows instant control of radio systems and groups, the geo-localization of terminals (**if required**), and instant management of permits and methods of communication.

Communication management in the field of sports competition.

Optimal communication management during a sporting event is essential for two main reasons:

1. Coordination of the various phases of the event;
2. The safety of participants and spectators.

The system must be robust, versatile, easy to use and have total coverage in the areas affected by the event.

The WLPcom Two Way Radio communication system can satisfy all the communication and management needs of the operators, also being able to count on the Geo-localization function of all the devices and tracking in real time.

For correct communication management, communication groups are created, each consisting of a "coordinator" with full functionality and communication priorities and a number of "operators" to whom it is possible to limit communication only within its own group of membership.

It is also possible to create higher level groups, for example the coordinators group with a "supervisor" etc. ..., up to a maximum of 10 priority levels, creating a real "hierarchical scale" in the communication system.

The entire communication system is then controlled and managed by the Operations Center where the dispatching software is installed, which makes it possible to trace the positioning of users, manage communications and possibly intervene to reallocate people on the various communication groups.

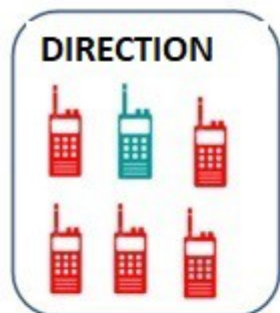
Pratically, in a sports competition, we could have the following groups **as an example** :

- Race Direction
- Paddock
- Test officers (Start, Path, End)
- Logistics and Security
- Teams – Team Manager + Map men + Racers (and so on)

REMARK :As for the Teams, by equipping each racer and/or any other team's component with a radio device, with the same rules as the groups of operators, the Team Manager, with a single device, will have direct contact both with the race direction and with each member of his team, or with a single one of them.

Example of Block Diagram

(draft to be defined and completed)



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