



NEWS

Editorial



Hello, thank you very much for the welcome you gave to our 1st newsletter. This month, discover a topic dedicated to infrared technology and the options it offers to radio control users. Enjoy your reading and have a great summer! Régis VILLARD, Commercial Director Jay

Infrared zoom

Mobile equipment...

Take the right direction for increased security!



Overhead traveling cranes, ski lifts, railway equipment, etc. If you order mobile equipment remotely, safety is at the heart of your matters. Did you know ?

Infrared technology provides safe solutions that are sometimes overlooked.

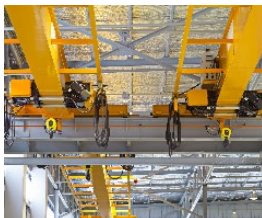
2 Factory side

Assured visibility!

starting-up a mobile equipment requires the greatest attention from operators ...

Are the work areas clear?

Is visibility good enough? In radio remote controlled driving, an operator can operate an overhead crane without realising it or pair the wrong one...



There are **2 options** to prevent these risks. In both cases, the operator's radio remote control is equipped with infrared LEDs and the mobile equipment with one or more infrared cells connected to the receiver.



1. Startup by infrared validation

Purpose? Make sure that the operator is present near the equipment during startup and that he has good visibility.

To validate the start-up, the diodes of the radio remote control must point in the direction of the infrared cell.

2. Limitation of action area by infrared

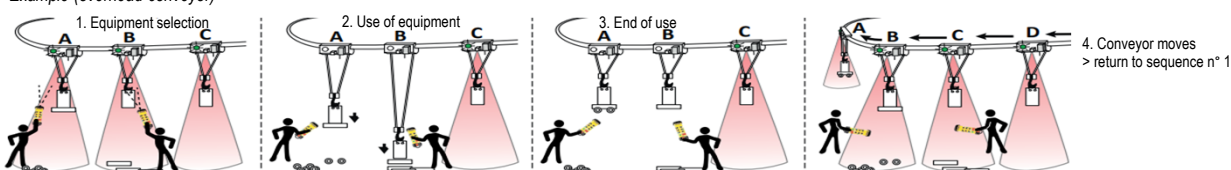
Purpose? Define a restricted work area around the mobile equipment so that the operator can always monitor its guidance area. Infrared cells are used to define this area. If the operator leaves it, the equipment stops its progress.

Shared equipment

Several of your operators use the same radio-remote-controlled equipment? Do you want any transmitter to work with any of your receivers without interfering with each other? Infrared makes it possible!

The "**transmitter / receiver association on start-up**" function allows the operator to select the receiver to be controlled. When starting up (switching on the transmitter), a coded infrared message is transmitted to the receiver targeted by the operator. This option thus authorizes several transmitters (with id code and different channels) to successively take control of the receiver.

Example (overhead conveyor)



1 Technical side

Infrared built into radio controls ... Why?

Infrared: here is a part of the light spectrum with interesting properties! Indeed, it is easy to focus these waves and to control their range...

Transmitted from a radio remotes control, they keep the operator in his guidance area; a great solution to prevent pairing mistakes and accidents.

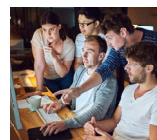
Please note: if infrared has proven its worth for indoor applications, its implementation remains difficult outside where waves can be disturbed (sun rays, etc.). Depending on the case, solutions exist, consult us!



3 Know-how side

Trust us ! 20 years ago we were pioneers in integrating infrared technology into our radio remote controlled solutions! It is part of our history and our R&D team uses its characteristics in the development of new functions.

Our UD, Beta, Gama, Pika and Moka series offer reliable and proven "startup by IR validation", "limitation of action area by IR" or even "transmitter / receiver association on start up" functions.



Depending on your application, we will advise you the most suitable.

Do not hesitate to contact us.

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