

RADIOLOGIC

CUT YOUR CABLES

RL-Triplex

Have you ever wished that you could change the functions on your radio remote control and maybe even the appearance depending on which situation that you may be in? Impossible?

It's definitely possible with Radiologic Triplex.

Most people own or have at least used a surf tablet. What if your radio remote control could have a transmitter with the same flexibility but with a robust and industrial radio link. Imagine a radio remote control system with one or more receivers with ten in/outputs and that can be programmed like a PLC, then you have the basic hardware in Radiologic Triplex.



The Radiologic system can determine how close a handheld transmitter or RL-display is and with this information react in different ways, this can be used in applications where the operator has to be close to the machine in order to maneuver it, the system transmits information as long as it is within range (up to 1000m.).

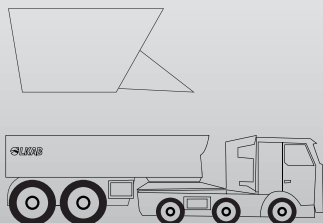
We have developed a solution where control can be surrendered from a display mounted in a vehicle to a RL-RC10 handheld transmitter. This is of great use in case an operator must be able to control several functions for instance when maintenance is performed and the operator must exit the vehicle.

In the case where there are several transmitters (RL-display or handheld transmitters) i.e. in a number of vehicles and you need to be sure that no involuntary maneuvering takes place, you can create a zone where logging in is necessary in order to force the operator to stand in a specific place to be able to log-on to the portable transmitter. When this is done, the range will extend to a preset value.

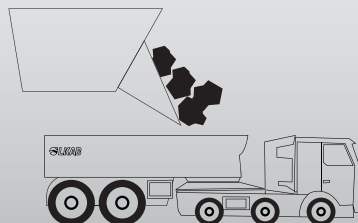
The system works the other way around also, where several applications can be maneuvered from the same portable transmitter. This could be i.e. a loader or a truck that services several different machines. Imagine that the display can change its appearance depending on which function it is performing and which machine it is controlling. The possibilities are inexhaustible!

One of our projects where we use Triplex is in one of the largest mines in the world located in Malmberget, northern Sweden. Radiologic makes sure that the drivers of the ore trucks safely extract ore from the mine. When the display is connected to the unloading unit in the mine, the operator must be positioned within a preset area with the truck for the contact to be established and for the display to identify the range within 50 meters. The owner of the mine or the person that has been granted access can easily adjust the limit of the range in different areas.

The vehicle must be placed in a preset area to be able to login to Triplex



After login, the operator can start the loading process...



...and the system extends the range to a preset value

