

DETERMINE THE HEIGHT OF DETECTION TRANSPONDER

ON DIRT OR ASPHALT TRACK WITH PASSIVE LOOP AND ELITE OR LS TRANSPONDER

The transponder detection height ensures the proper functioning of equipment before a race and perfect detection of competitors as they pass on the timing loop

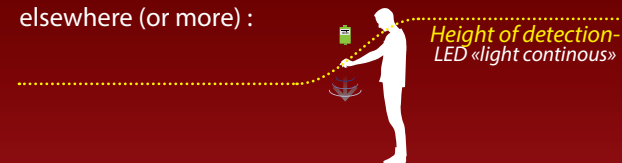
For convenience, it is essential to be two people. The first person to adjust the height of the transponder and the second to see the LED on the front panel of the decoder.

EXCEPTIONAL CASES

Although the exact application of the testing process, the LED is blinking all the time (no detection «continuous»):

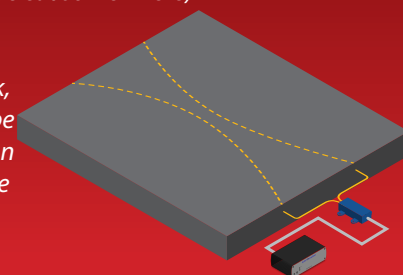
- Test the continuity of the loop wires.
- Check for and test the resistance of 470 Ohms
- Check BNC connectors and fittings
- Check loop noise (see technical document)

STEP 3 When the LED is «Red On» 1 meter lower than elsewhere (or more):



- Test the continuity loop wires (loop wires can be cut somewhere)

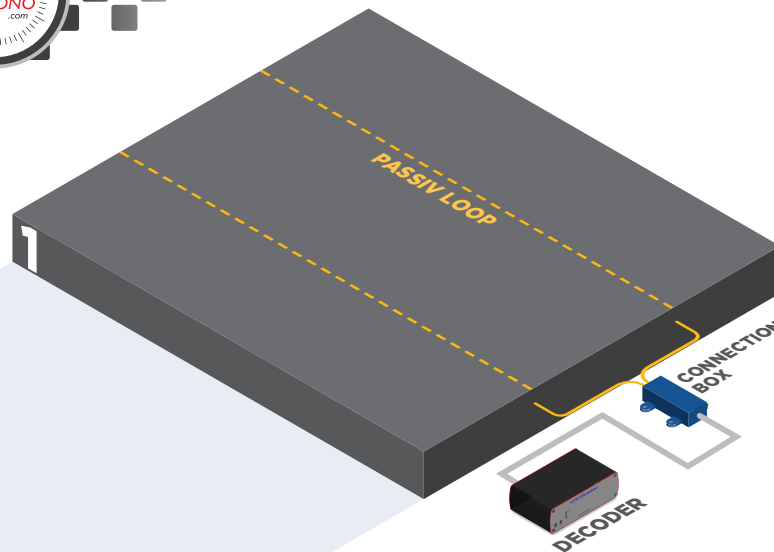
- If it's on dirt track, loop wires may be too close. This can happen when the hole is patched



STEP 1

Connect the coaxial cable of the connexion box to the decoder (LOOP1 jack)

connect the decoder on electricity.

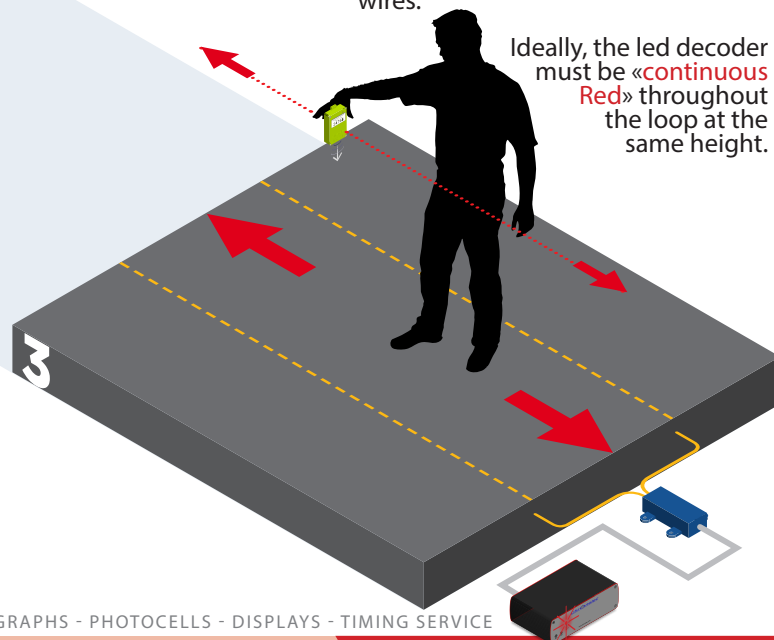


STEP 3

Hold the transponder in the detection height found at the end of step 2.

Without changing the height of the transponder, browse the length of the loop. This is to verify the proper continuity loop wires.

Ideally, the led decoder must be «continuous Red» throughout the loop at the same height.



STEP 2

Place yourself in the middle of the timing loop

Hold the transponder perpendicular to the track (see diagram).

put the transponder up (always perpendicular to the track) above your head, arm outstretched.

Then slowly down the arm holding the transponder in the direction of the track.

When the LED «LOOP1» decoder turns «continuous Red» (no flickering), stop movement with the transponder.

You found the maximum detection height of your loop.

