

TCDUHF RFID Decoder



RFID Decoder

This new concept allows you to use low cost and disposable RFID UHF chips (encoded and supplied by TAG Heuer by Chronolec only).

This system uses a new and different hardware architecture that you may find on the market.

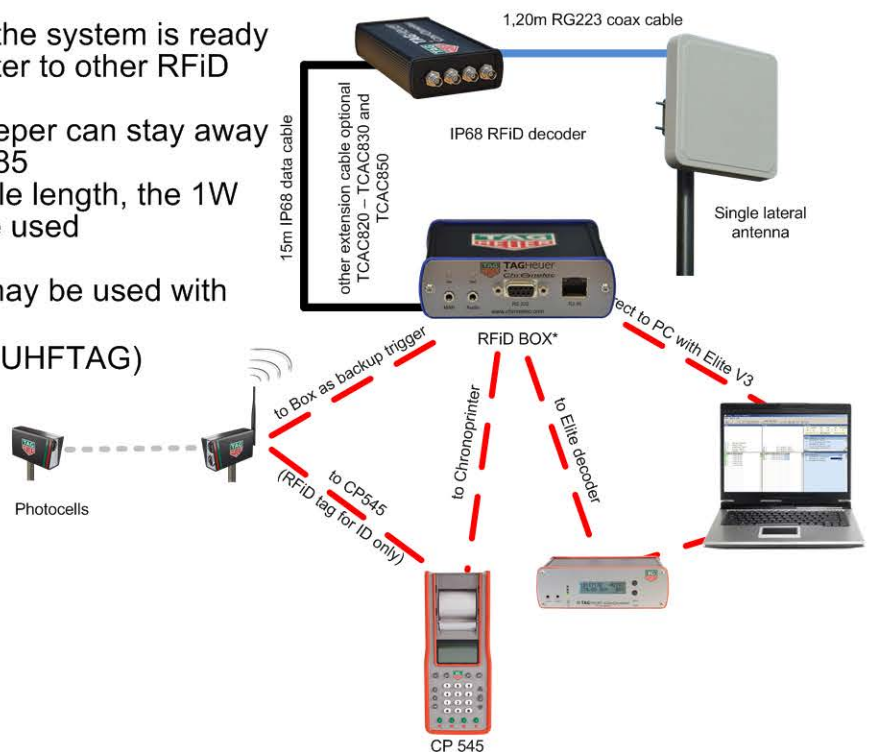
The activator/reader that we name as "distant decoder" for a active transponder solution is located near the antenna (cable length 1,20m) and the communication is made with a 2 wire connection RS485 to the "RFiD Box".

The RFiD box can be connected to following system:

- All Elite decoder (and work as a distant decoder), active transponder can be used simultaneously
- Chronoprinter 540/545
- Direct PC connection (exclusively with ELITE v3 as the protocol will not be released)

Advantages:

- No boot time. Like a Elite decoder, the system is ready to use within few milliseconds counter to other RFID systems
- No distance constraints, the timekeeper can stay away from the start/finish line as the RS485
- No power losses due to coaxial cable length, the 1W
- Existing transponder system can be used simultaneously with RFID system
- Photocells and Chronoprinter unit may be used with this system
- Low cost self adhesive bib tags (TCUHFTAG)



TCDUHF1

The system is composed of:

- 1 Distant decoder in a waterproof aluminium case
- 1 Antenna with 1,2m cable to decoder
- 1 RFiD Box with RS485, RS232, Photocells and manual input, audio out, DB15 to Elite decoder
- 15m data cable IP68 (20m, 30m and 50m extension are possible, see Art. Nr TCAC820, TCAC830 and TCAC850)
- 1 Decoder Power supply 12V 800mA (same as Elite decoder)

TCDUHF4

The system is composed of:

- 1 Distant decoder in a waterproof aluminium case
- 4 AntennaS with 1,2m&3m cable to decoder
- 1 RFiD Box with RS485, RS232, Photocells and manual input, audio out, DB15 to Elite decoder
- 15m data cable IP68 (20m, 30m and 50m extension are possible, see Art. Nr TCAC820, TCAC830 and TCAC850)
- 1 Decoder Power supply 12V 800mA (same as Elite decoder)