TCDUHF
RFID Decoder
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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)