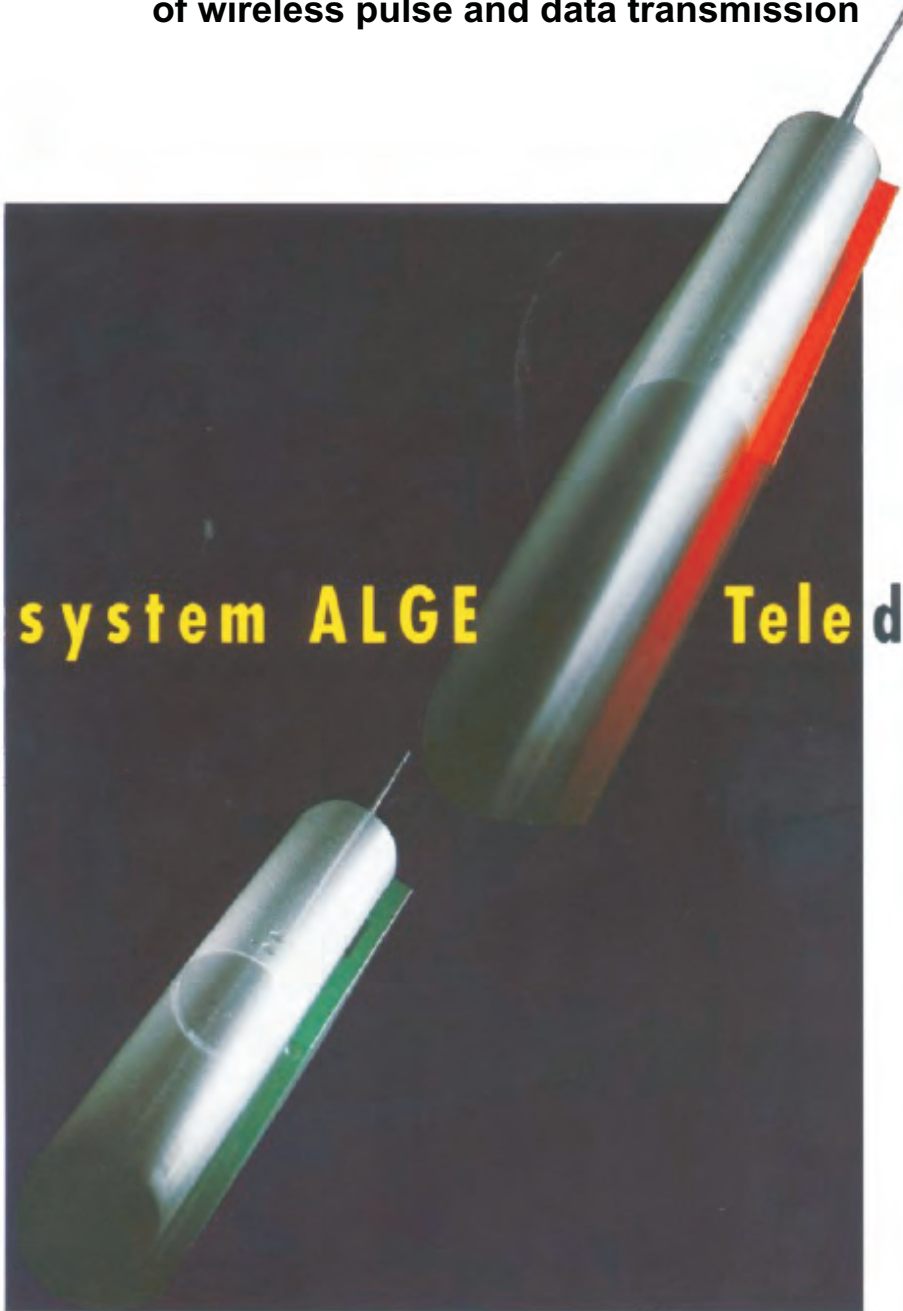


Just take off

and start with the „radio rockets“ ALGE Teledata TED
into the highest safety
of wireless pulse and data transmission

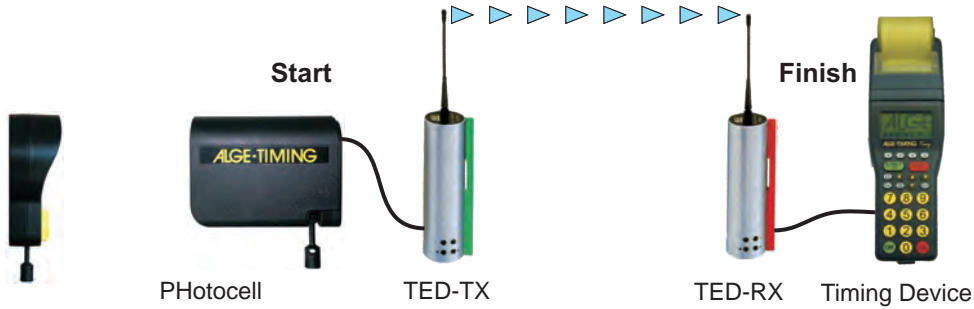
Radio **system ALGE** **Teledata TED**



ALGE
TIMING

Pulse Transmission: Save as never before

The pulses (start or stop impulses) are transformed by a wireless transmitter TED-TX into a data package, provided with a safety code and transmitted to the receiver TED-RX. After having checked the safety code, the receiver transmits the pulse to a timing device with an accurate, reproducible delay of 0.1 seconds.



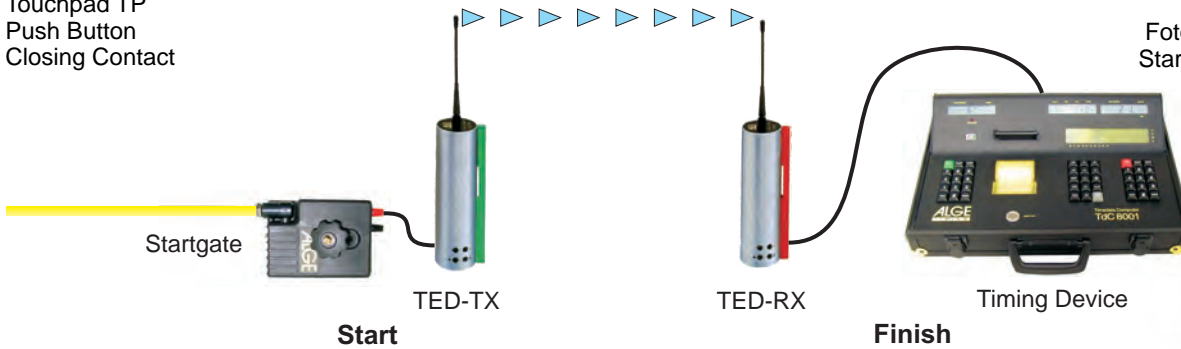
ALGE-Pulse Transmitter:

- Photocell PR1a oder RLS1-Serie
- Photocell RLS3
- Startmicrophone SM8
- Startclock ASC2
- Startbeep STB1
- Tapeswitch
- Touchpad TP
- Push Button
- Closing Contact



ALGE-Pulse Receiver:

- TdC 8001
- TdC 8000
- TdC 4000
- TIMER S4
- TIMER S3
- TIMY
- COMET
- Fotofinish OPTI
- Startclock ASC1



The Standard Version:

Is able to receive 2 different timing channels. With the accessory RX-C10, up to 10 different channels are available.

The Safety Package of the New Wireless Transmitting System ALGE Teledata TED:

Protection against false pulses:

A special software in the receiver TED-RX eliminates most interferences.

A maximum of transmitting safety:

A new dimension of safety is reached due to location optimization by means of optical and acoustic signalling (LED and loudspeaker).

Big working range:

- TED-TX10: up to approximate 1,5 km
- TED-TX400: up to approximate 5 km

Addressing of the system:

Up to 16 addresses can be present. One addressed system is not able to receive pulses from a system with different addressing (for example if several TED systems are used in the same area).



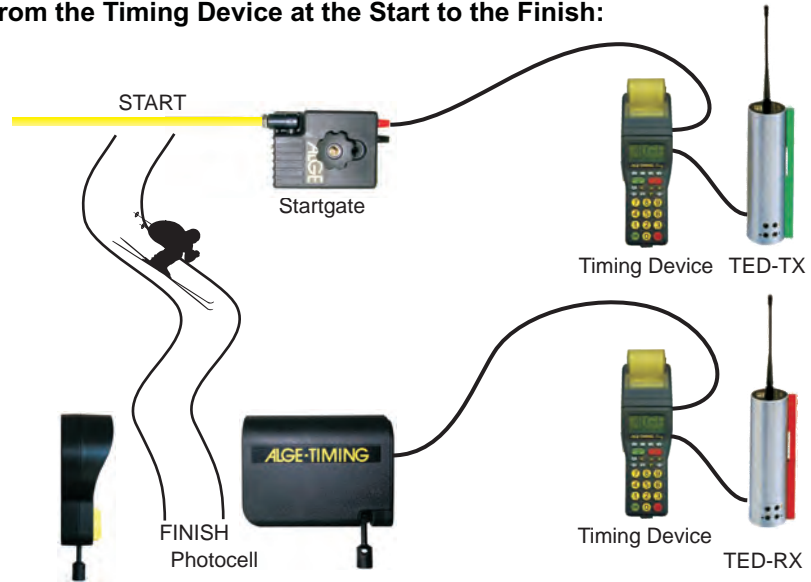
Data Transmission: With the absolute safety

In the data transmission (e.g. of the start time), the data plus the safety code are transmitted from the transmitter TED-TX to the receiver TED-RX. The receiver transmits the data package to the timing device at the finish. This system is absolutely safe since the data is transmitted as many times as needed in the event of a faulty radio circuit. Moreover, the third data record always remains stored in the transmitter TED-TX. The same applies to all start times which can be recalled at any time from the timing device at the start

Data Transmission / Timing:

The start time is transmitted by radio to the timing device at the finish. Every second, one data record is transmitted. For safety reasons, each data record is sent 10 times.

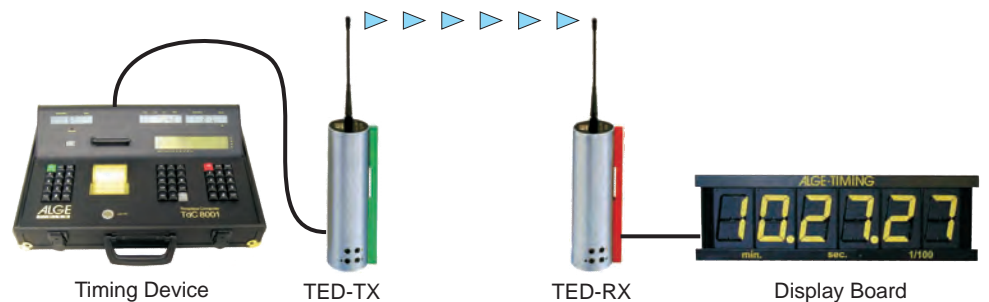
From the Timing Device at the Start to the Finish:



Data Transmission from the Timing Device:

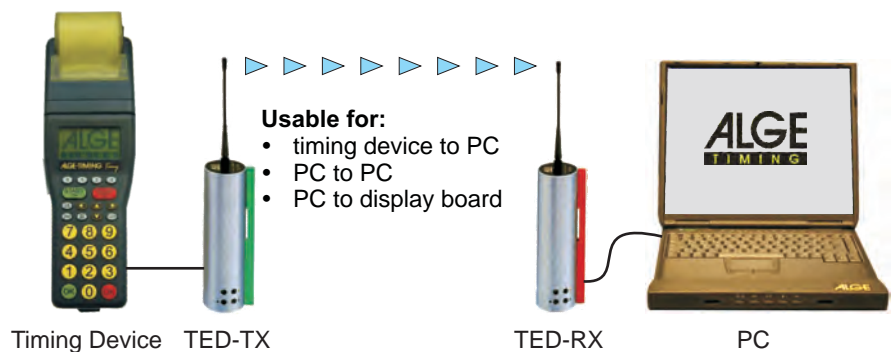
Each data record is transmitted once. Every 1/10 second a data record can be transmitted:

- from timing device to display board
- from timing device to printer
- from TIMY or COMET terminal to a football (soccer) score board



Free Data Transmission:

Any data record is transmitted. A data record can be sent every 1/10 second.



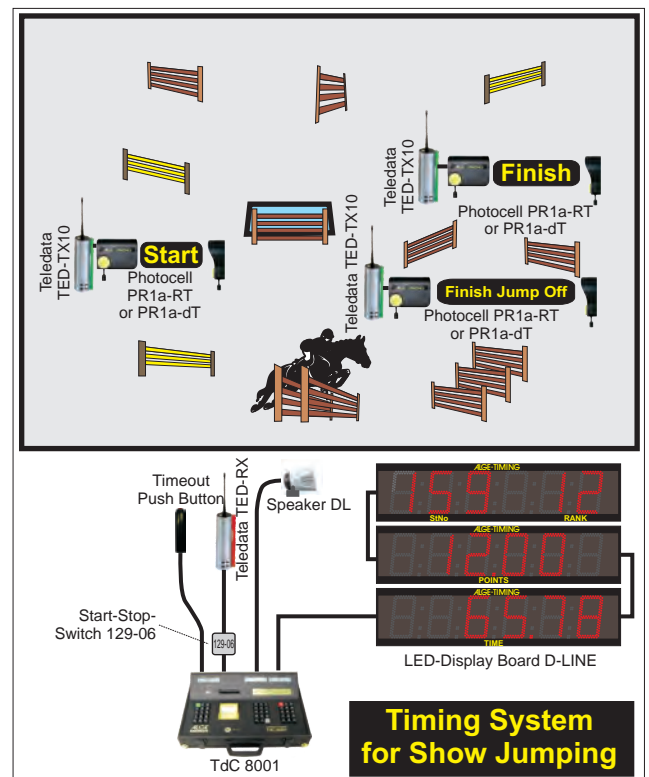
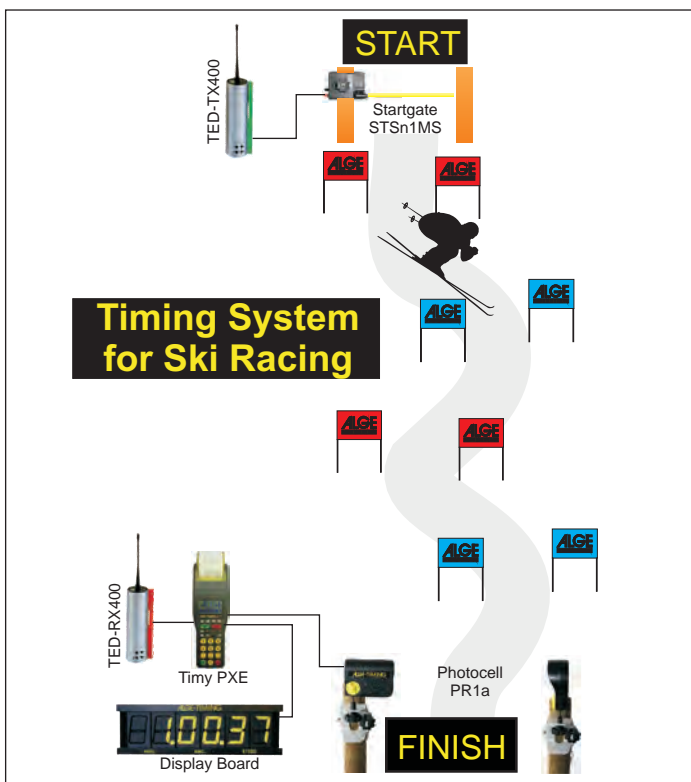
ALGE Teledata TED: Technology made to steady you

	TED-TX10	TED-TX400	TED-RX
Transmitting Capacity	10 mW	400 mW	-----
Working Range	Up to appr. 1,5 km	Up to approx. 5 km	-----
Frequency: Standard	433,500 MHz	434,600 MHz	all fequencies
Alternative	434,300 MHz	433,800 MHz	
Interfaces:	Input for RS 232	Input for RS 232	Output for RS 232 + RS 485
Power Consumption (one impulse per minute):	300 hours	270 hours	54 hours
Operating Temperature:	-20° to +50°C	-20° to +50°C	-20° to +50°C
Dimensions (without antenna):	198 x 72 x 72 mm	198 x 72 x 72 mm	198 x 72 x 72 mm

Homologation:

- Germany
- Austria
- Switzerland
- Italy

- Antenna:** short, sturdy, flexible
- Connections:** compatible with ALGE products and most others
- Banana Jack for data and start impulse
 - DIN-Jack with connection for start and stop pulse, data and external supply closing contact, active low, min. 10 ms
- Input Signal:** transistor, open collector, active low, 100 ms
- Output Signal:** for battery indication (TED-TX and TED-RX), and moreover for field intensity indication in the TED-RX
- LED:** in the TED-RX for field intensity indication and interface evaluation
- Loudspeaker:** *internal:*
- 6 x AA – Alkaline-batteries or
 - 6 x AA – NiCd-rechargeable batteries
- external:*
- Charger PS12 or from timing device
- Power Supply:** Velcro fastener for pole fixation, threat for tripod or flange support for photocell
- Fastening:**
- Accessory:**
- Case with foam insert for save transport
 - Rechargeable battery-set with 6 x NiCd-batteries for TED
 - Charger LG6AA for 6 NiCd-rechargeable batteries
 - Channel extension RX-C10
 - Holder to set up a TED and photocell at one tripod or fastening console



ALGE

TIMING

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