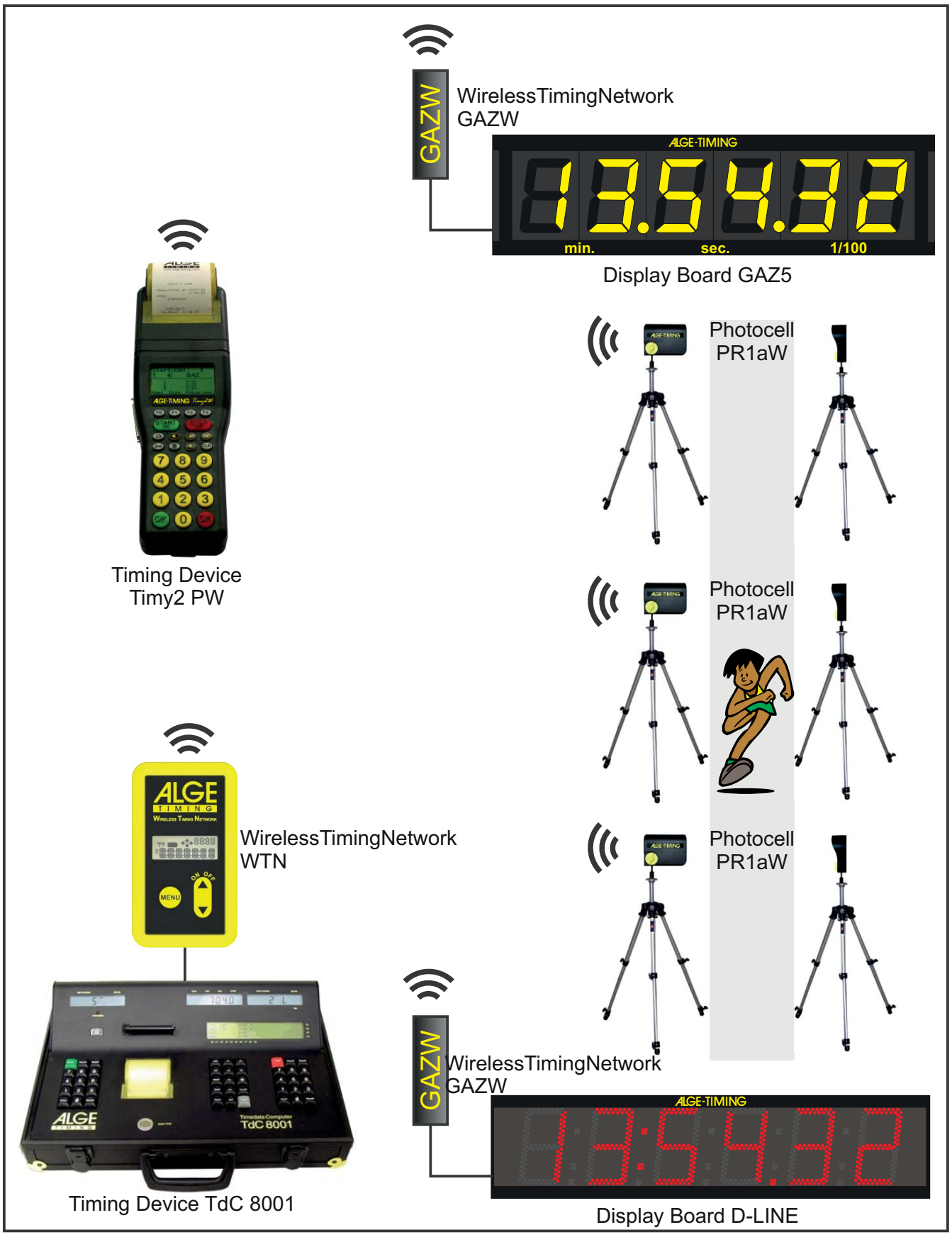
WIRELESS TIMING NETWORK
WTN

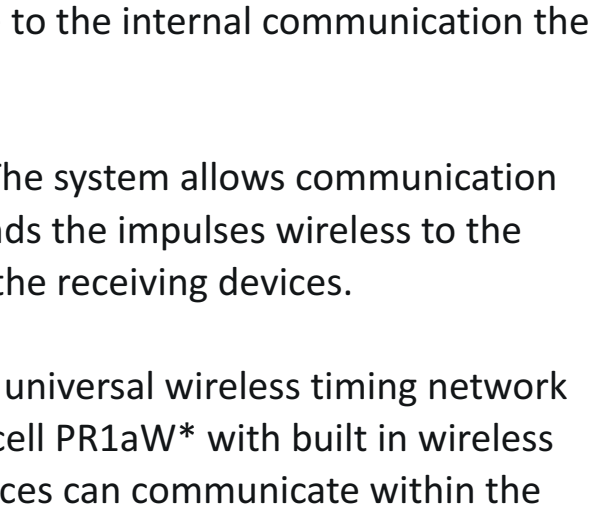
The „Wireless Timing Network WTN“ is a complete unique radio network system for timing. This system allows several different timing devices communication with each other in a wireless network. Due to the internal communication the system recognizes devices that disappear inside the network and can report it.

The communicating timing network means that you do not need cables any more. The system allows communication between the different devices that you use in your timing system. The photocell sends the impulses wireless to the timing device which forwards the data for the display board and results wireless to the receiving devices.

Different ALGE-timing devices make the wireless timing network possible. From the universal wireless timing network WTN, the Timy2 PW* or Timy2 W* with built in wireless timing network, the photocell PR1aW* with built in wireless timing network, or the display board wireless timing network GAZW*, all these devices can communicate within the timing network.

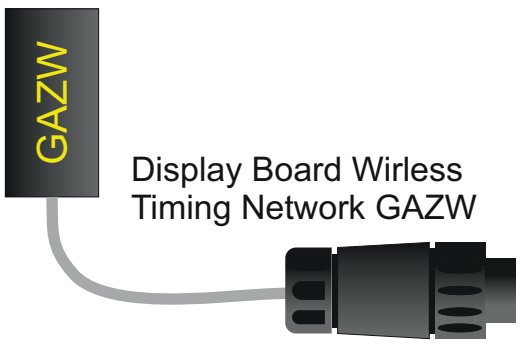


Wireless
Timing
Network
WTN



Timy2 PW
or Timy2 W

Photocell
PR1aW



Display Board Wirless
Timing Network GAZW

* Devices not yet available!

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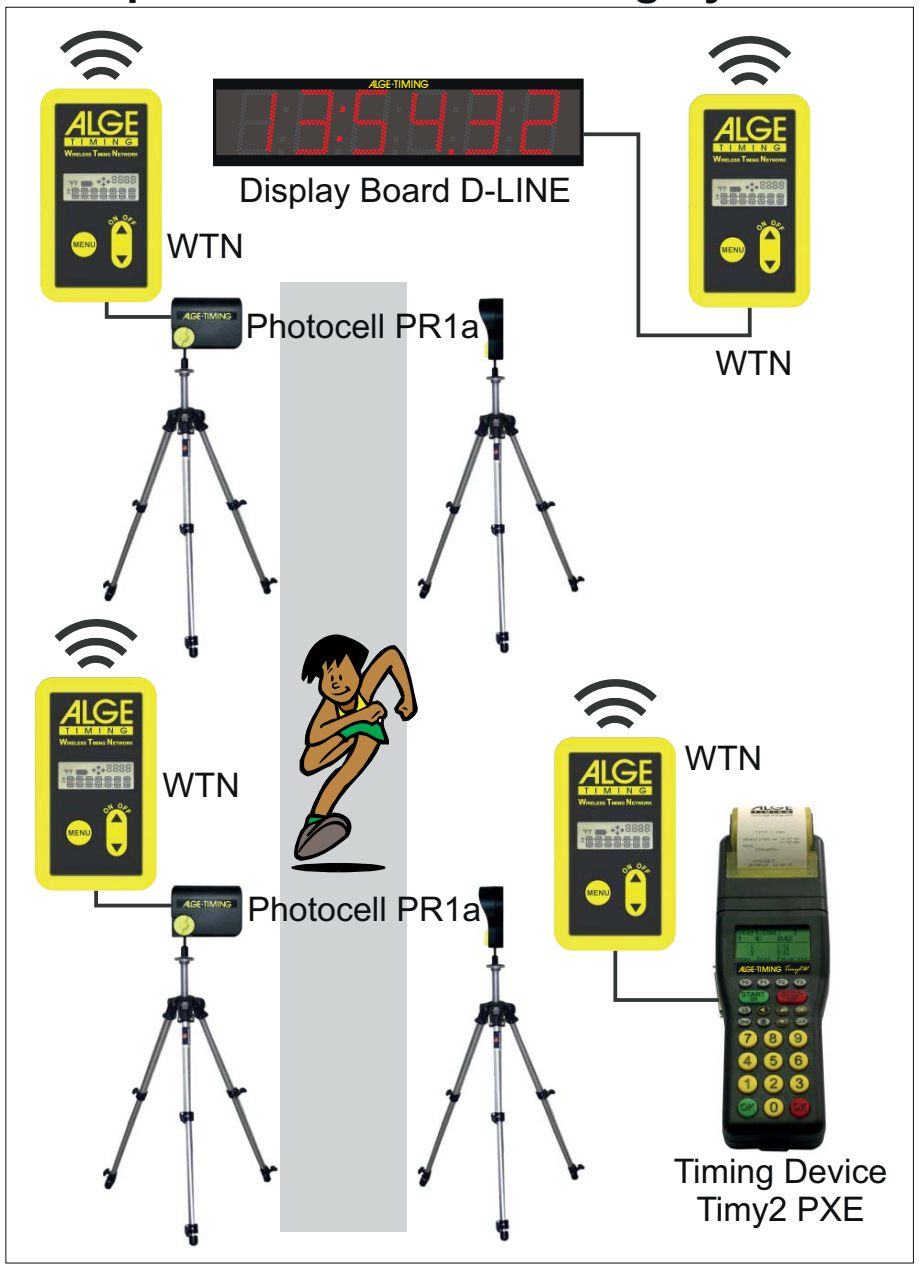
The WTN is a bidirectional radio network that replaces the cables within the timing system. It has an adjustable frequency in the 2.4 GHz band. All devices in the same network communicate with each other. It is possible to transmit impulses and data at the same time. It is designed to for outdoor use.

The universal genius WTN of this radio network series can be connected to almost every ALGE device. It does not matter if you take a timing device, impulse device or a display board. Even data transmission to a PC is possible.

This diversity of applications is supported by a display, a keypad, input and output ports (timing channels, RS232, RS485) and internal batteries.

In developing this unique wireless timing network, special attention was paid to the ALGE principles: ease of operation, high reliability and robust design. Latest technology, integrated into a solid case guarantee unique application possibilities.

Example for a Wireless Timing System:

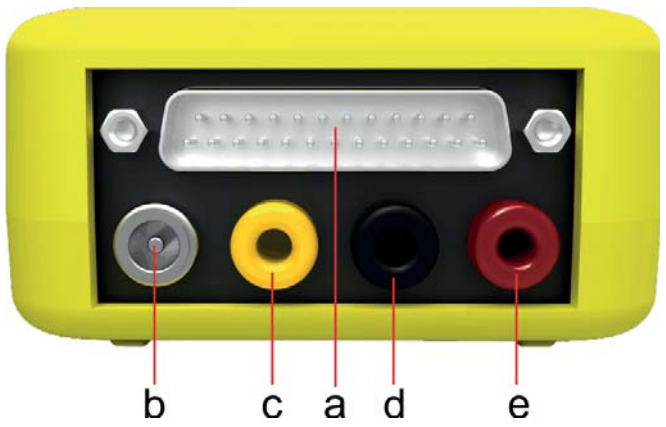


Examples for the use of the WTN

- impulse transmission
- timing for equestrian (show jumping)
- training in a stadium or arena
- controlling a display board e.g. D-LINE or GAZ
- data transmission to a PC

Accessory:

- Bracket with Velco SPB1 (see picture to the right)
- Cable 280-03: Cable to Timy or TdC8000/8001 (25-pin D-Sub)
- Cable 283-02: Cable to PC (25 pin to 9 pin - D-Sub)
- Cable 284-02: Cable to Display Board (25 pin D-Sub to Amphenol-4pin



a .....ALGE Multiport
b .....Powe Supply Input
c .....Banana Socket yellow: data output or data input for GAZ or D-LINE
d .....Banana Socket black: Ground
e .....Banana Socket red: timing channel – input

Technical Data of the WTN:

Frequency:	2,4 GHz band (16 adjustable frequencies)
Power Output:	10 mW or 10 to100 mW (adjustable)
Timing Channels:	5 different timing channels Adjustable c0 (start), c1 (finish), c2, c3, c4
Maximum Distance:	about 350 m at free sight
Display Board Interface:	RS232 interface- 2400 to 19200 Baud yellow/black banana sockets
Rs232 Interface:	RS232 interface- 2400 to 115200 Baud with Mulitport-socket
Batterie:	3 x AA-batteries (Alkaline or NiMh rechargeable)
Case:	Plastic case with yellow elastic rubber jacket, so that the device is protected in any weather condition.

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WIRELESS TIMING NETWORK

WTN

Timy2-PW and Timy2-W

The Timy2 with integrated radio module of the series WTN. This device is probably available in November 2012.

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WIRELESS TIMING NETWORK

WTN

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Photocell PR1aW

The photocell with integrated radio mode of the series WTN. This device is probably available in fall 2012.
The PR1aW can transmit wireless timing impulses. It is possible to adjust 5 different channels (c0, c1, c2, c3 und c4).

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WTN

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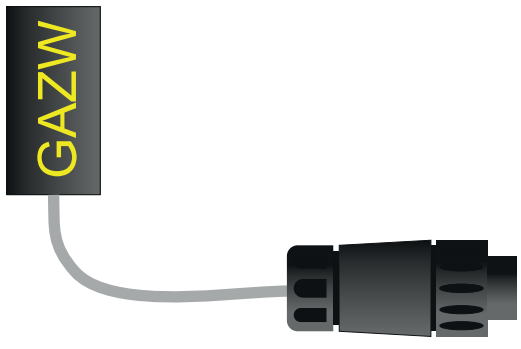
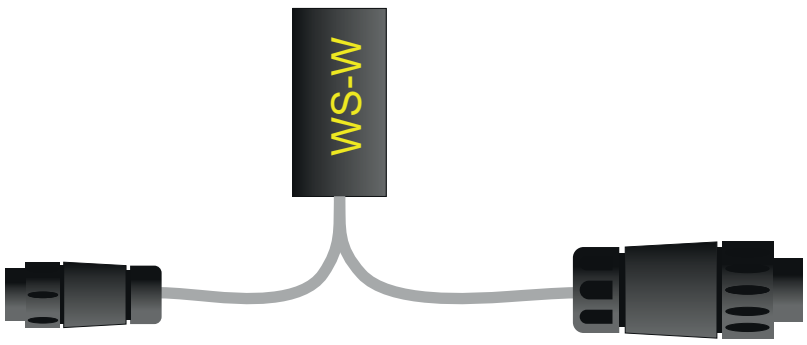
Display Board Radio Network GAZW

The display board radio network GAZW will probably be available in fall 2012. It can be connected at the display board and is powered by the display board. Display boards of the type GAZ, D-LINE or D-RTNM are compatible with the GAZW.



Windspeed Radio Network WS-W

The wind speed radio network WS-W will probably be available in fall 2012. It allows the cable free communication between the anemometer WS2 and the terminal Timy2 PW.



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Example for Equestrian Show Jumping