

Adapter USB-WTN



Important Information

General

Before using your **ALGE-TIMING** device read the complete manual carefully. It is part of the device and contains important information about installation, safety and its intended use. This manual cannot cover all conceivable applications. For further information or in case of problems that are mentioned not at all or not sufficiently detailed, please contact your **ALGE-TIMING** representative. You can find contact details on our homepage <https://www.alge-timing.com/>

Safety

Apart from the information of this manual all general safety and accident prevention regulations of the legislator must be taken into account.

The device must only be used by trained persons. The setting-up and installation must only be executed according to the manufacturer's data.

Intended Use

The device must only be used for its intended applications. Technical modifications and any misuse are prohibited because of the risks involved! **ALGE-TIMING** is not liable for damages that are caused by improper use or incorrect operation.

Power supply

The stated voltage on the type plate must correspond to voltage of the power source. Check all connections and plugs before usage. Damaged connection wires must be replaced immediately by an authorized electrician. The device must only be connected to an electric supply that has been installed by an electrician according to IEC 60364-1. Never touch the mains plug with wet hands! Never touch live parts!

Cleaning

Please clean the outside of the device only with a smooth cloth. Detergents can cause damage. Never submerge in water, never open or clean with wet cloth. The cleaning must not be carried out by hose or high-pressure (risk of short circuits or other damage).

Liability Limitations

All technical information, data and information for installation and operation correspond to the latest status at time of printing and are made in all conscience considering our past experience and knowledge. Information, pictures and description do not entitle to base any claims. The manufacturer is not liable for damage due to failure to observe the manual, improper use, incorrect repairs, technical modifications, use of unauthorized spare parts. Translations are made in all conscience. We assume no liability for translation mistakes, even if the translation is carried out by us or on our behalf.

Disposal

If a label is placed on the device showing a crossed out dustbin on wheels (see drawing), the European directive 2002/96/EG applies for this device.

Please get informed about the applicable regulations for separate collection of electrical and electronic waste in your country and do not dispose of the old devices as household waste. Correct disposal of old equipment protects the environment and humans against negative consequences!



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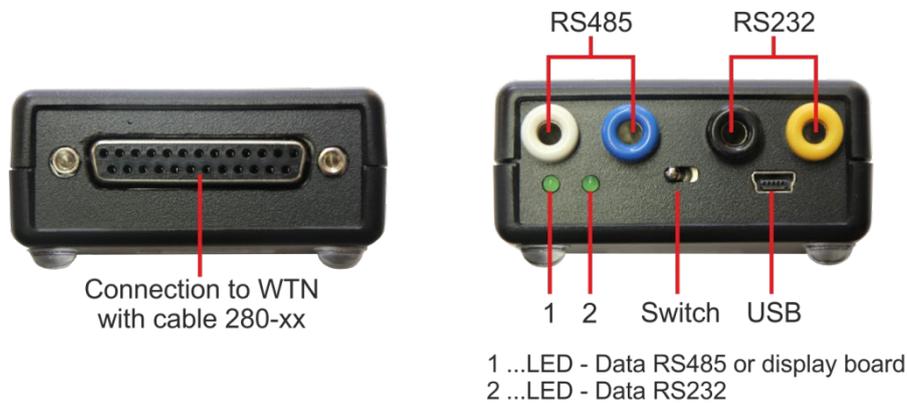
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1 Device Description

The adapter USB-WTN is a universal adapter for many **ALGE-TIMING** devices. Originally designed to connect the WTN radio with a PC by USB it is now used for many different devices. The USB-WTN is delivered together with a USB-mini cable.



2 Power Supply

The USB-WTN does not need any external power supply. It needs only power when using the USB connector to transform the data for RS232 or RS485. In such a case it is supplied through the USB connection.

3 USB Installation

The PC on which the USB is connected must have the suitable **USB-driver** installed. If you plug the USB-WTN the first time to the PC, a suitable driver will be automatically installed (Window 7, 8 or 10).

When you open now the device manager of Windows you will see now under (Connections COM & LTP) the two COM ports (e.g. USB Serial Port (COM12) and USB Serial Port (COM13). Which interface is installed for RS232 and RS485 you have to test yourself.

4 Function of Toggle Switch

The adapter has two converters for the USB. For one converter you can switch the function of the between the RS485 banana socket and the display board banana socket.

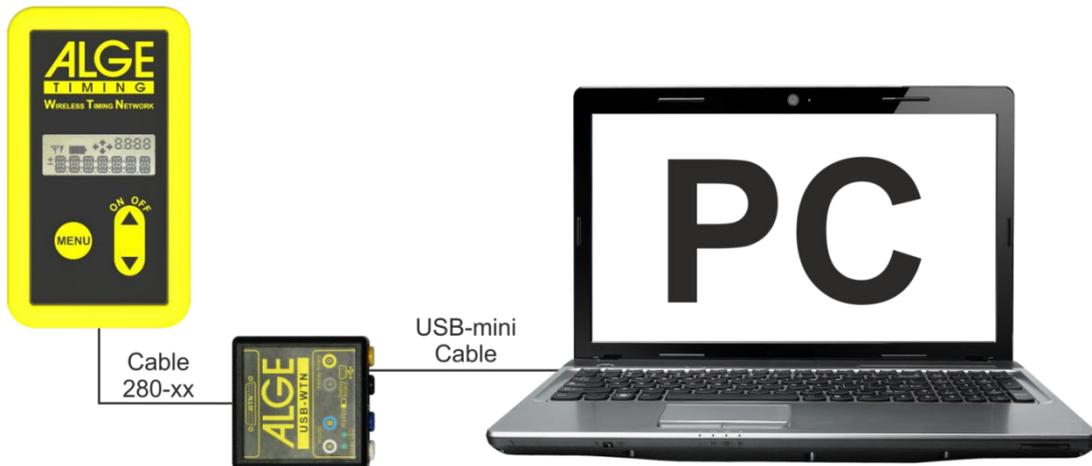


5 Samples to connect the USB-WTN

The USB-WTN can be used with various ALGE-devices. Below you will see some examples.

5.1 WTN (RS232) with PC (USB)

Use the USB-WTN to connect the radio system WTN to a PC.



5.2 TdC8001 (RS232) with PC (USB)

Use the USB-WTN to connect a TdC8000/8001 with a PC.



Use the USB-WTN to connect a TdC8000/8001 with a PC by using the WTN-radio.



5.3 *Timy3 using WTN to the PC (USB)*

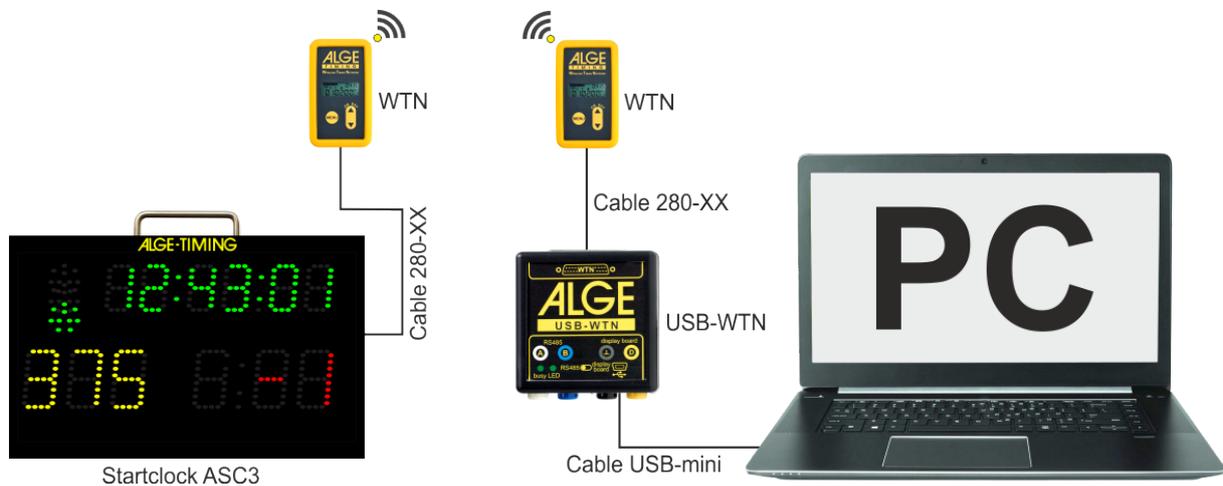
Use the USB-WTN to connect the PC with the WTN.



5.4 *Timy oder Timy2 using WTN to the PC (USB)*



5.5 *Startclock ASC3 using WTN to the PC (USB)*



5.6 PC (USB) using WTN to ALGE display board

Use the USB-WTN to send data from a PC by radio (WTN) to an ALGE display board (e.g. D-LINE or GAZ5).

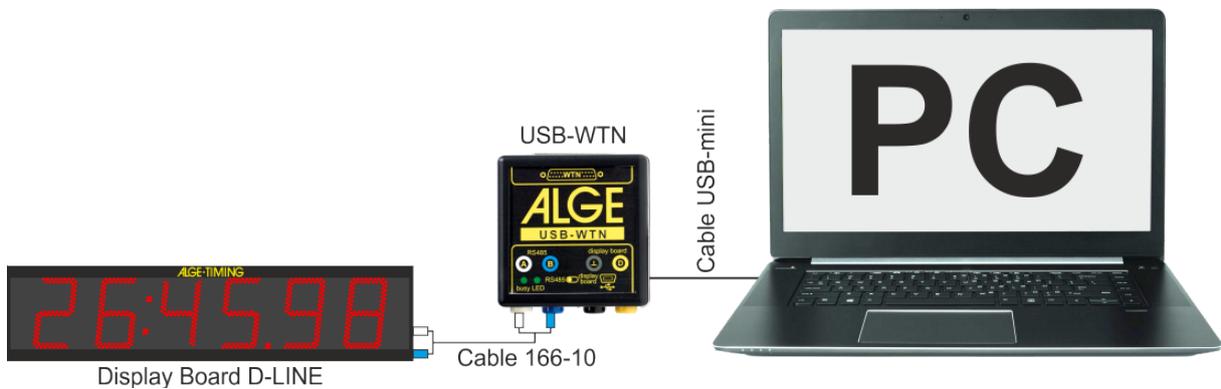


5.7 PC (USB) to ALGE display board

Use the USB-WTN to send data from a PC to an ALGE display board (e.g. D-LINE or GAZ5).

5.7.1 With RS485:

Use the white/blue banana sockets



5.7.2 With Display Board Data (RS232):

Use the yellow/black banana sockets



6 Technical Data

		Banana Socket	Banana Socket	USB-mini	Multiport	Multiport	Multiport
		RS 485 b/w	Display y/b		RS 232	RS 485	Display Board
Banana Socket	RS 485 b/w		no	yes*	no	yes	no
Banana Socket	Display y/b	no		yes*	yes	no	no
USB-mini		yes*	yes*		yes	yes*	yes*
Multiport	RS 232	no	no	yes			
Multiport	RS 485	yes	no	yes*			
Multiport	Display Board	no	yes	yes*			
* Data not bidirectional (only in one direction)							
RS 485 b/w = blue and white banana socket							
RS 232 y/b = yellow and black banana socket							

Weight: about. 0.1 kg

Dimensions:



Subject to alternations!

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