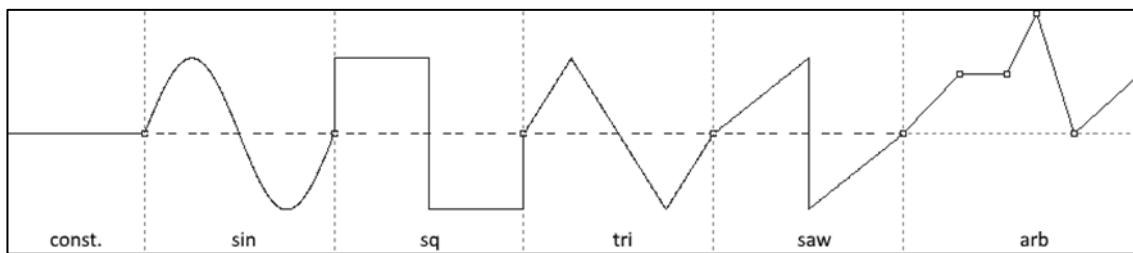


Toellner-WaveControl – Arbitrary Waveform Software

- ✓ is a software developed by TOELLNER in order to program TOELLNER arbitrary power supplies easily and quickly with simple or complex waveforms without any expert knowledge.
- ✓ is a software solution for easy creation and editing of any arbitrary voltage and current waveforms through graphical or tabular input



Graphical display of possible signal forms and signal curves or superpositions

The scope of delivery includes ready-to-use and editable standard curves for test standards according to VW80000, LV124, LV148, ISO 16750, GMW3172, in latest and also previous versions.

In addition it is possible to freely create and store individual test sequences. Signal forms can easily be selected and parameterized (e.g. with adjustable duty cycle and linear/ logarithmic/exponential sweep options for frequency and amplitude).

CSV-Import is also available. In this way data input from excel sheets can be realized as well as from many data loggers or other programs.

Start	End	Duration	Superpositions
26 V	26 V	1 s	
26 V	26 V	1 s	Sine
26 V	26 V	1 s	Square
26 V	26 V	1 s	Triangle
26 V	26 V	1 s	Saw tooth
26 V	26.4 V	300 ms	
26.4 V	26.4 V	250 ms	
26.4 V	26.8 V	150 ms	
26.8 V	26 V	200 ms	
26 V	26.4 V	150 ms	

Tabular display of the above signal forms

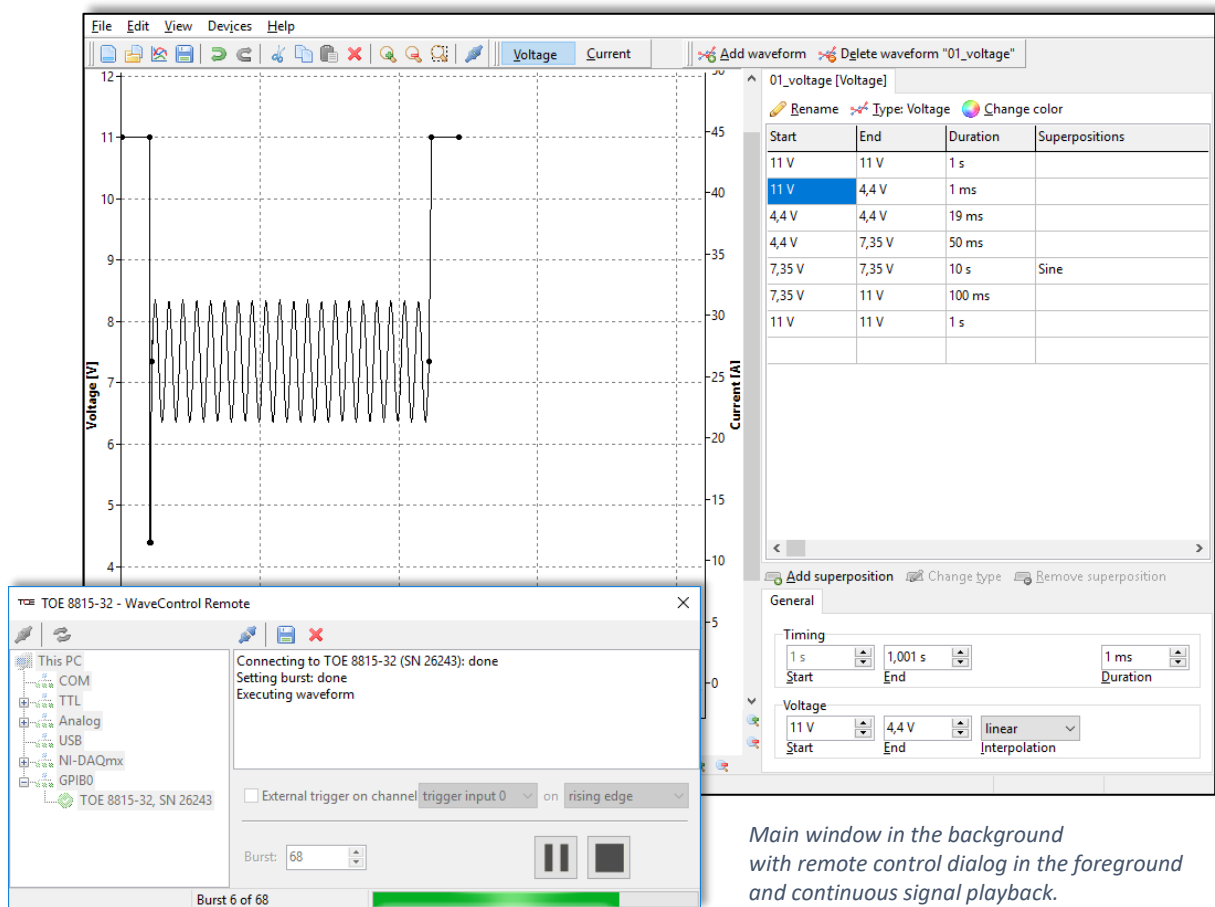
These arbitrary voltage and current profiles are then conveniently programmed into your TOELLNER power supply. With existing connection (between your PC and the device), Toellner-WaveControl will make all necessary adjustments to the device itself.

Furthermore, (depending on the TOELLNER device) various trigger and burst options can be used, e.g. to perform triggered repetitions of output signals in preselectable quantity.

The analog control of the amplifier TOE 7621, the power supply units TOE 8805-88165 and the fast switch TOE 9261 via NI DAQ card is possible.

This combination of software and hardware creates a comprehensive and flexible test solution for arbitrary signal generation for various purposes.

Toellner-WaveControl – Arbitrary Waveform Software



Main window in the background with remote control dialog in the foreground and continuous signal playback.

While being connected to the computer the output can be controlled and stopped as well as restarted (continuous or with preselectable number of repetitions).

The licensing is done per device and therefore usable on any number of workstations.

Optionally an API (application programming interface) is available as C-DLL and with Python interface that allows the use of all Toellner-WaveControl features from your own programming.

Toellner-WaveControl works on all current Windows operating systems (Windows XP Service Pack 2 or higher), an internet connection is not required.

Existing TOELLNER power supplies with arbitrary function are also supported.

We would be pleased to advise you on suitable devices and application possibilities.

Please contact us:

<https://www.toellner.de/distribution-international>

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