

# User manual and info

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Best.-Nr. 1601718

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## INFO

### Features:

- DDS type generator (Direct Digital Synthesis)
- sweep function with bi-direction option
- OLED screen
- operates on 4 x 1.5V AAA batteries (not included)
- signature white back casing

### Specifications:

- DAC resolutions: 10 bits
- frequency range: from 1 Hz to 1.000.000 Hz ( $\pm 0.01\%$ )
- frequency steps: 1 Hz, 10 Hz, 100 Hz, 1 kHz and 10 kHz
- waveforms: sine, square and triangle
- output voltage: max. 8 Vpp
- real output level measurement: dBm / Vrms or Vpp readout ( $\pm 3\%$ )
- typical sine wave distortion (THD):  $< 0.1\%$  @ 1 kHz / 0dB / 600 Ohm
- square wave rise/fall time: typ. 0.2  $\mu$ s
- output impedance: 50 Ohm
- dimensions: 114 x 68 x 22mm / 4.48 x 2.67 x 0.86"
- power consumption: 70 mA max
- battery life: about 15 hours on quality alkaline batteries

### What's in the box

- handheld pocket generator
- getting started manual
- BNC male to RCA female
- BNC male to 2x4mm banana plug

### Option:



[Velleman instruments protective pouch \(HPSP1\)](#)

## CONNECTIONS AND CONTROLS



1. on/Off switch
2. BNC output connector
3. calibration output
4. signal and menu display
5. output level indicator
6. up and down set buttons
7. menu button / menu selection up
8. settings menu button / menu selection down

## CHANGING THE BATTERIES

Use 4 x AAA 1,5V batteries and **note the polarity!**



## FUNCTION GENERATOR SETUP

Access the setup menu by keeping the **settings button pressed in.**



You can:

- change the user interface language
- adjust the display contrast or reverse the display (white with black dots)
- change the way the frequency is changed if you keep the up/down button pressed ( Log. will make the frequency change faster)
- start or Stop the DEMO mode (useful for demonstration or testing)
- press and hold the **setting menu button (8)** or the **menu button (7)** to leave the menu and store the settings

## WAVEFORM MENU

This view is shown when **sweep** is off (check the next chapter).



## SWEEP MENU

A sweep generator generates a frequency which changes with respect to time and is a practical device for recording frequency characteristics, or to make automated measurements.



Posted - Mon, Jul 3, 2017 2:26 PM.

Article Number: 714 | Last Updated: Tue, Jul 11, 2017 1:23 PM

Online URL: <https://manuals.whadda.com/article.php?id=714>