

### POCKET AUDIO GENERATOR



# K8065

Great little gadget for service repair, testing, education, etc...



### Features:

☑ Microprocessor technology☑ Digital waveform generation

### Specifications:

- Sine wave: 50Hz, 100Hz, 1KHz, 10KHz, 20KHz
- Burst: 50Hz, 100Hz, 1KHz
- · Burst mode: 20ms ON, 500ms OFF
- Noise: 32-bit digital noise
- Output level (10Kohm): 0 to 775mV (0dB)
- Outputs: 2 x RCA (cinch)
- Power supply: 2 x CR2016 or 2 x CR2025 battery (excl.)
- Dimensions: 86 x 50 x 25mm (3.4" x 2.0" x 1.0")

#### 1. Assembly (Skipping this can lead to troubles ! )

Ok, so we have your attention. These hints will help you to make this project successful. Read them carefully.

#### 1.1 Make sure you have the right tools:

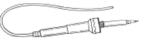
- A good quality soldering iron (25-40W) with a small tip.
- Wipe it often on a wet sponge or cloth, to keep it clean; then apply solder to the tip, to give it a wet look. This is called 'thinning' and will protect the tip, and enables you to make good connections. When solder rolls off the tip, it needs cleaning.
- Thin raisin-core solder. Do not use any flux or grease.
- A diagonal cutter to trim excess wires. To avoid injury when cutting excess leads, hold the lead so they
  cannot fly towards the eyes.
- Needle nose pliers, for bending leads, or to hold components in place.
- Small blade and Phillips screwdrivers. A basic range is fine.

For some projects, a basic multi-meter is required, or might be handy

#### 1.2 Assembly Hints :

- ⇒ Make sure the skill level matches your experience, to avoid disappointments.
- $\Rightarrow$  Follow the instructions carefully. Read and understand the entire step before you perform each operation.
- ⇒ Perform the assembly in the correct order as stated in this manual
- $\Rightarrow$  Position all parts on the PCB (Printed Circuit Board) as shown on the drawings.
- $\Rightarrow$  Values on the circuit diagram are subject to changes.
- ⇒ Values in this assembly guide are correct\*
- $\Rightarrow$  Use the check-boxes to mark your progress.
- $\Rightarrow$  Please read the included information on safety and customer service

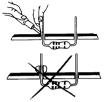
\* Typographical inaccuracies excluded. Always look for possible last minute manual updates, indicated as 'NOTE' on a separate leaflet.



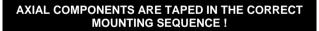
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#### 1.3 Soldering Hints :

- 1- Mount the component against the PCB surface and carefully solder the leads
- 2- Make sure the solder joints are cone-shaped and shiny
- 3- Trim excess leads as close as possible to the solder joint



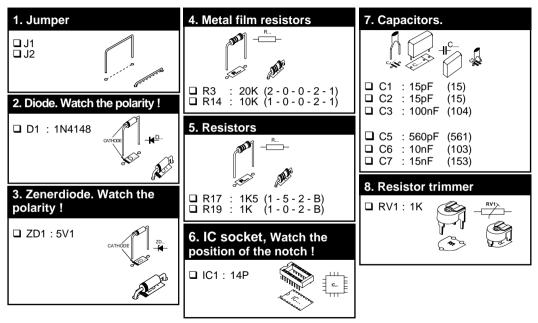


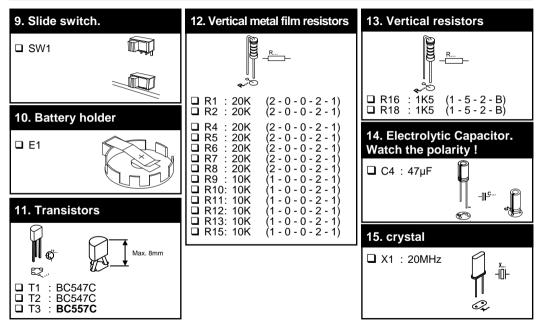


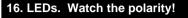
**REMOVE THEM FROM THE TAPE ONE AT A TIME !** 

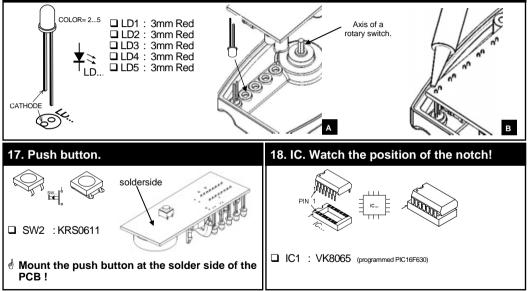


#### Construction

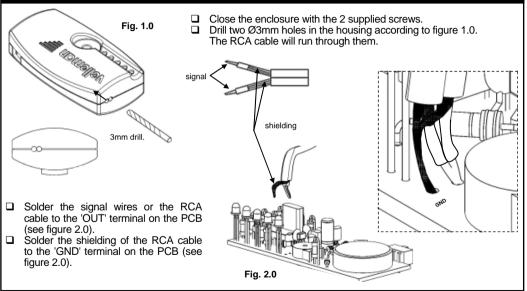




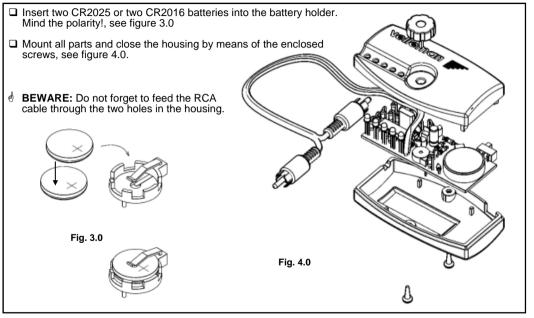


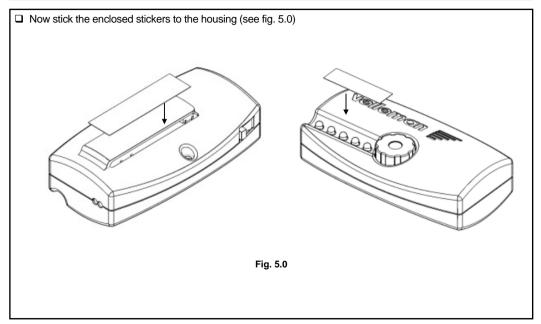


### 19. Assembly

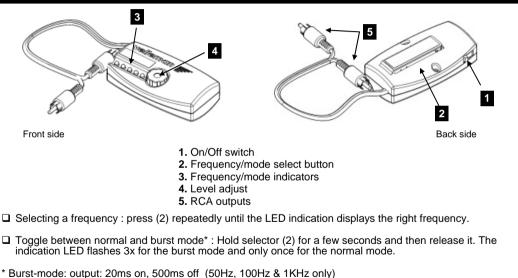


Assembly

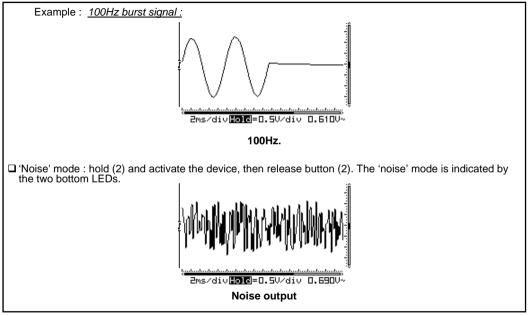




### 20. Instructions

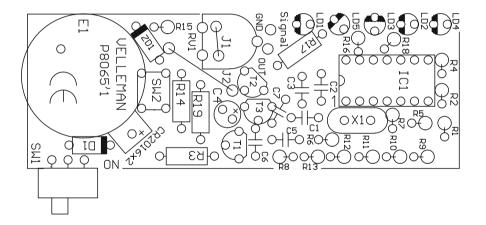


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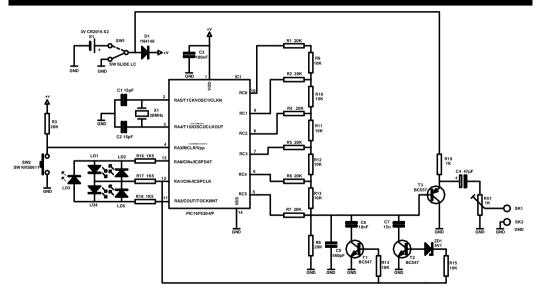


### 21. PCB layout.



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### 22. Diagram







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Modifications and typographical errors reserved Velleman nv. H8065IP'1 - 2014 (rev.2)

