



velleman MLS3 2W speaker 8ohm Installation Guide

[Home](#) » [Velleman](#) » velleman MLS3 2W speaker 8ohm Installation Guide 

Contents

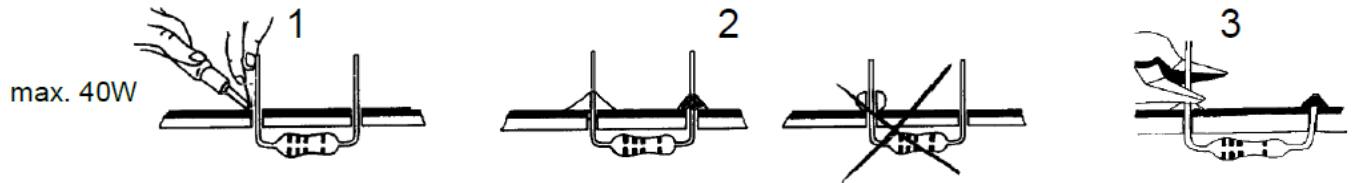
- [1 velleman MLS3 2W speaker 8ohm](#)
- [2 Soldering](#)
- [3 Resistor](#)
- [4 Documents / Resources](#)
- [5 Related Posts](#)



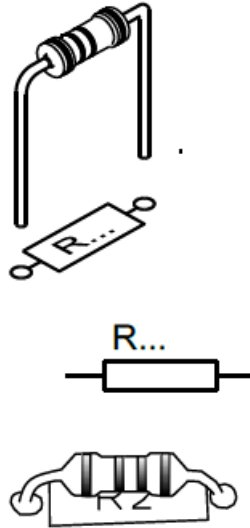
velleman MLS3 2W speaker 8ohm



Soldering



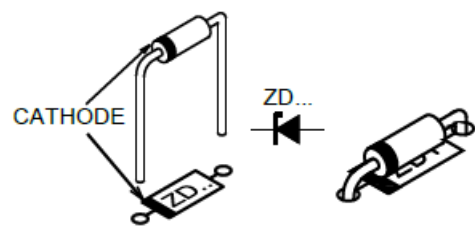
Resistor



- **R1 ... R4 : 10K:** (Brown, Black, Orange) – (Bruin, Zwart, Oranje) – (Brun, noir, Orange) – (Braun, Schwarz, Orange) – (Brun, Svart, Orange) – (Ruskea, Musta, Oranssi) – (Marrón, Negro, Naranja) – (Castanho, Preto, Laranja) – (Marrone, Nero, Aranciato)
- **R5 ... R7 : 100K:** (Brown, Black, Yellow) – (Bruin, zwart, Geel) – (Brun, noir, Jaune) – (Braun, Schwarz, Gelb) – (Brun, Svart, Gul) – (Ruskea, Musta, Keltainen) – (Marrón, Negro, Amarillo) – (Castanho, Preto, Amarelo) – (Marrone, Nero, Giallo)
- **R8 : 1K:** (Brown, Black, Red) – (Bruin, Zwart, Rood) – (Brun, Noir, Rouge) – (Braun, Schwarz, Rot) – (Brun, Svart, Röd) – (Ruskea, Musta, Punainen) – (Marrón, Negro, Rojo) – (Castanho, Preto, Encarnado) – (Marrone, Nero, Rosso)
- **R9 : 560:** (Green, Blue, Brown) – (Groen, Blauw, Bruin) – (Vert, Bleu, Brun) – (Grün, Blau, Braun) – (Grön, Blå, Brun) – (Vihreä, Sininen, Ruskea) – (Marrón, Azul, Marrón) – (Verde, Azul, Castanho) – (Verde, Blu, Marrone)
- **R10 : 330:** (Orange, Orange, Brown) – (Oranje, Oranje, Bruin) – (Orange, Orange, Brun) – (Orange, Orange, Braun) – (Orange, Orange, Brun) – (Oranssi, Oranssi, Ruskea) – (Naranja, Naranja, Marrón) – (Laranja, Laranja, Castanho) – (Aranciato, Aranciato, Marrone)
- **R11 ... R15 : 4K7:** (Yellow, Purple, Red) – (Geel, Paars, Rood) – (Jaune, Violet, Rouge) – (Gelb, Violet, Rot) – (Gul, Lila, Röd) – (Keltainen, Purppura, Punainen) – (Amarillo, Morado, Rojo) – (Amarelo, Violeta, Encarnado) – (Giallo, Viola, Rosso)
- **R16 : 3K3:** (Orange, Orange, Red) – (Oranje, Oranje, Rood) – (Orange, Orange, Rouge) – (Orange, Orange, Rot) – (Orange, Orange, Röd) – (Oranssi, Oranssi, Punainen) – (Naranja, Naranja, Rojo) – (Laranja, Laranja, Encarnado) – (Aranciato, Aranciato, Rosso)
- **R17 : 2K7:** (Red, Purple, Red) – (Rood, Paars, Rood) – (Rouge, Violet, Rouge) – (Rot, Violet, Rot) – (Röd, Lila, Röd) – (Punainen, Purppura, Punainen) – (Rojo, Morado, Rojo) – (Encarnado, Violeta, Encarnado) – (Rosso, Viola, Rosso)
- **R18 : 10:** (Brown, Black, Black) – (Bruin, zwart, zwart) – (Brun, Noir, Noir) – (Braun, Schwarz, Schwarz) –

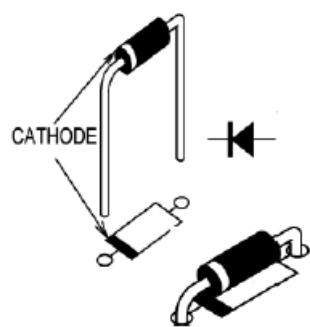
(Brun, Svart, Svart) – (Ruskea, Musta, Musta) – (Marrón, Negro, Negro) – (Castanho, Preto, Preto) – (Marrone, Nero, Nero)

ZENERDIODE



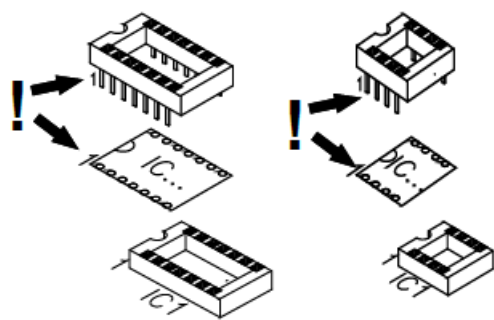
◇ ZD1:5V1

DIODE



◇ D1 : 1N4007

IC SOCKET



◇ IC1:16p

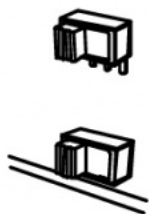
◇ IC2, IC3 : 8p

CAPACITOR



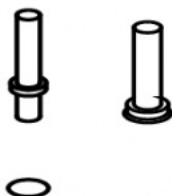
- ◇ C1 ... C4 : 100nF (104)
- ◇ C5 : 39pF (39)
- ◇ C6 : 560pF (561)
- ◇ C7 : 1nF (102)
- ◇ C8 ... C11 : 6,8nF (682)
- ◇ C12 : 33nF (333)
- ◇ C13 : 47nF (473)

6 SWITCH



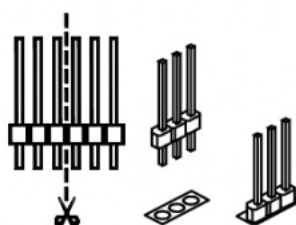
◇ SW1 : on/off

7 PCB PINS



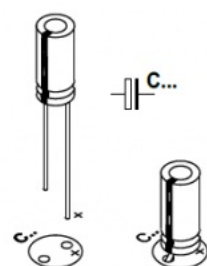
- ◇ SK1: Power 2x
- ◇ SK2: Line out 2x
- ◇ SK3: Speaker 2x
- ◇ SK4: Line in 2x

8 PIN HEADERS



- ◇ SK5 : Input selection
- ◇ SK6 : Output selection

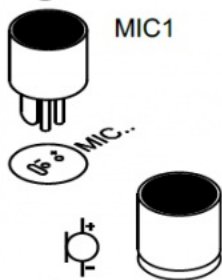
9 ELECTROLYTIC CAPACITOR



WATCH THE POLARITY !
ATT. À LA POLARITÉ !

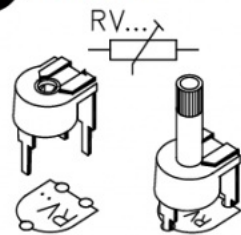
- ◇ C14 : 1μF
- ◇ C15 ... C20, C22 : 10μF
- ◇ C21 : 47μF
- ◇ C23, C24 : 100μF

10 MIC



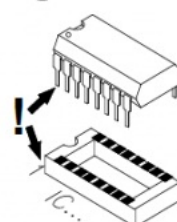
◇ MIC1

11 TRIMMER



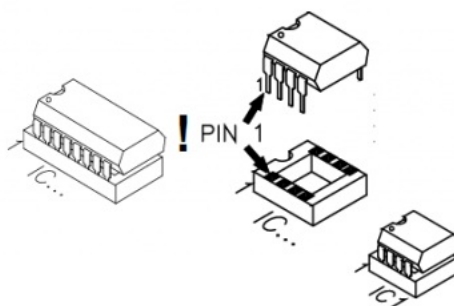
- ◇ RV1, RV2 : 22K (25K)
- ◇ RV3 : 47K (50K)
- ◇ RV4 : 10K

12 IC



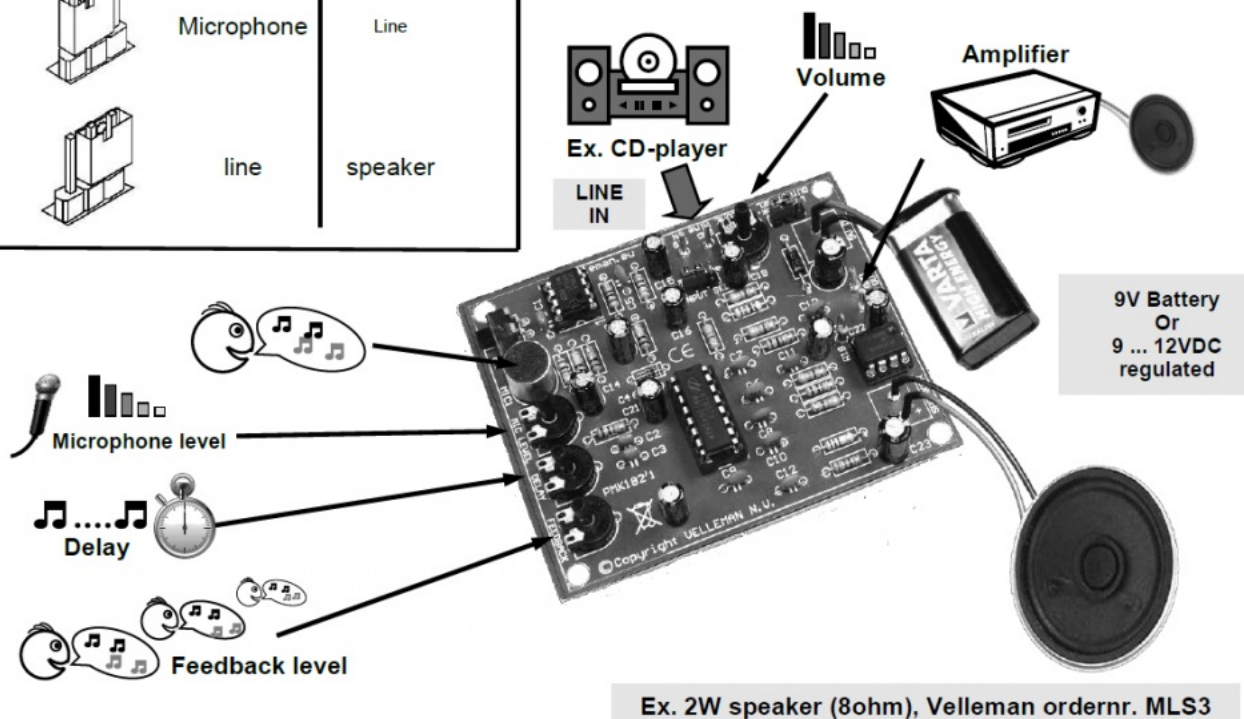
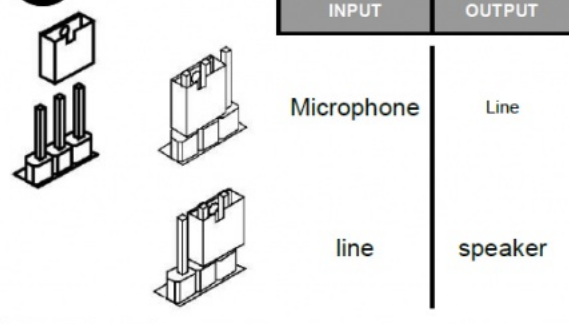
- ◇ IC1 : HT8972
- ◇ IC2 : LM358
- ◇ IC3 : LM386

WATCH THE POSITION OF THE NOTCH !
ATTENTION A LA POSITION DE L'ENCOCHE



13

Select mode for IN - and OUTPUT:



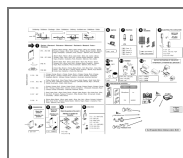
TO ALL RESIDENTS OF THE EUROPEAN UNION

Important environmental information about this product

This symbol on this unit or the package, indicates that disposal of this unit after its lifecycle could harm the environment. Do not dispose the unit as unsorted municipal waste; it should be disposed by a specialized company for recycling. This unit should be returned to your distributor or to a local recycling service. Respect the local environmental rules. If any doubt contact your local authorities about waste disposal rules.



Documents / Resources



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