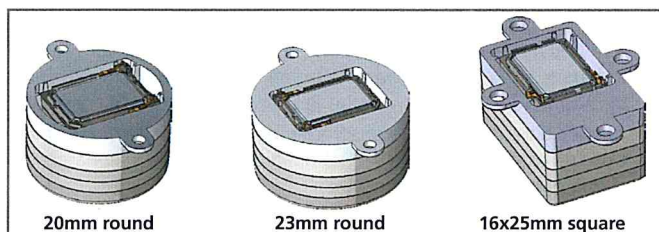


Users manual

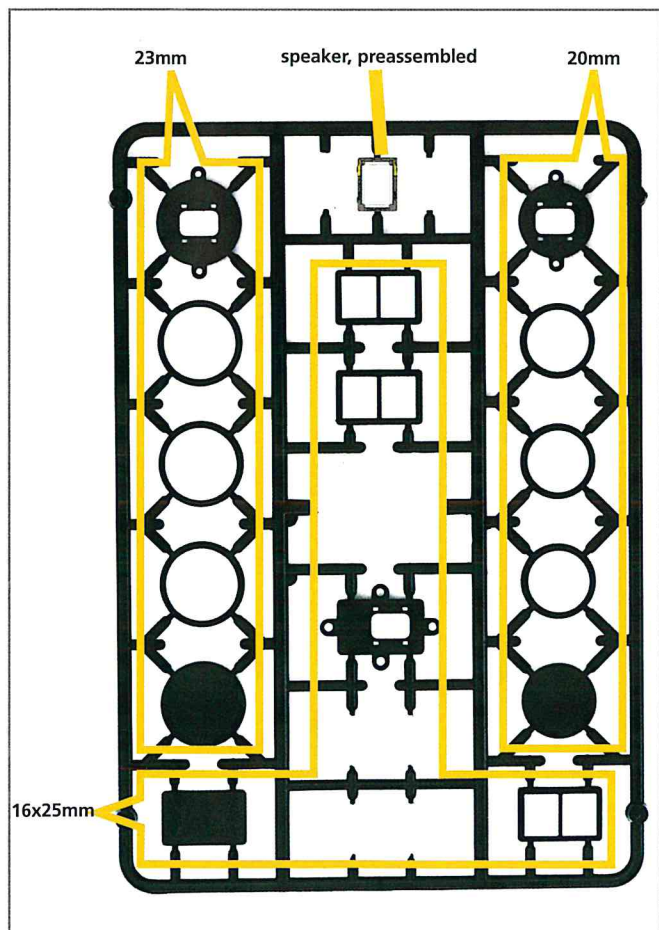
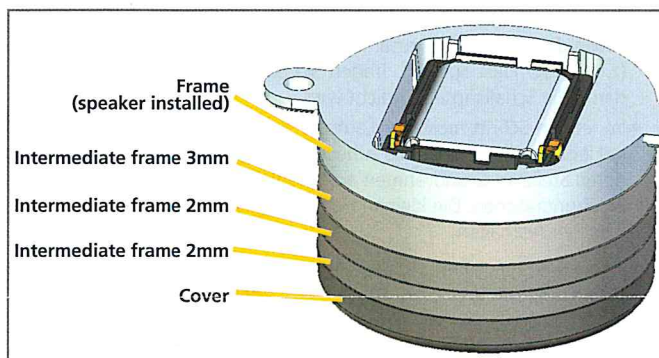
1. Edition, August 2018

Introduction

With our modular speaker baffle set suitable for a single „sugar cube“ speaker 11x15mm you can easily assemble your tailored speaker baffle. Both diameter and height can be individually adopted to your needs. You can build on of the following speakers from this kit:



The minimum height is 6mm, which can be raised to 8mm, 9mm, 10mm, 11mm or 13mm by adding up to three intermediate frames. The set contains two 2mm high and one 3mm high intermediate frame for each version.



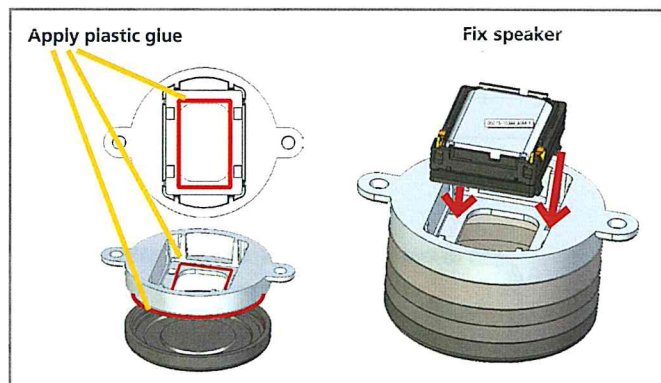
Preconsiderations

First you should select one of the three base frames subject to the type of speaker you want to assemble. In general, the bigger the speaker baffle, the better the sound will be (bass frequency reproduction). However it might happen that the sound reproduction will be distorted: Quite often, some sounds are amplified in the decoder too much, which will overload the sugercube speakers. In this case, please reduce the total volume of the sound (For Loksound decoders, please reduce CV 63) or reduce the height of the speaker baffle.

Assembly

All parts of the kit will be still be assembled to the sprue. The speaker itself is already preassembled to a base plate. On the picture to the left you can see which parts belong to which base frame.

- Cut the base plate from the sprue first using a sharp knife. Make sure that you will not damage the small „hooks“ of the base plate.
- Now, separate the base frame and the intermediate frames from the sprue.
- Next, preassemble the base frame, intermediate frames and the cover (use a tape to temporarily hold everything in place) and check the installation: Does the sound baffle fit into your locomotive? If too large, remove some intermediate frames.
- If everything is alright, you can put the sound baffle together by using plastic glue. Start from the bottom with the cover and add all intermediate frames one after the other. We recommend a plastic glue like Uhu® Plast Special. Do not use too much glue! Just make sure the baffle will be airtight.
- The last step is to glue the speaker into the baffle frame so that it is airtight. Apply a little (!) glue to the areas around the base frame shown in red. Assemble the speaker next by just putting it into the base frame. Make sure the small „hooks“ will fall in place.



⚠ You can not disassemble the speaker later, because the small hooks would be destroyed most likely.

Connection

The 11x15mm speaker has an impedance of 8 ohms and is perfectly suited for all LokSound decoders from version 4. Solder the two speaker wires to the speaker terminals using a slim soldering tip.

⚠ Make sure that no short circuits between the speaker terminals and the metal speaker itself will be created. This may destroy the decoder's amplifier output!

