**The masking noise design.**

8 words: beck, bet, deck, debt, peck, pep, pet, tech

4 conditions: speech with auditory feedback, speech in masking noise, listening to masking noise, silence and do nothing.

Each epoch contains 8 \* 4 = 32 trials.

Each of the three phases (start, stay and end) contains 5 epochs, that is, 5 \* 32 = 160 trials.

Each trial lasts for 6 sec.

So each phase is 6 \* 160 = 960 sec = 16 min long.

The ramp phase will have only 1 epoch, which makes it 3.2 min long.

The perturbation will be gradually ramped up in the ramp phase.

So the total duration of the experiment is 16 \* 3 + 3.2 = 51.2 min = 51 min 12 sec.

**The bracket design**

8 words: beck, bet, deck, debt, peck, pep, pet, tech

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