

Task description and table of content


The task is to create a design for an online product configurator, where customers are able to design and configure their own loudspeaker in an simple, elegant and playful way. Please have a look at the given sketches that demonstrate the essential elements and functions. The 3d model and the selection menu on the right side are the most important elements for this configurator. Please use a decent color scheme because the loudspeaker and the selection menu already include many colors.


Our sketches serve for orientation but should not restrict great ideas.


1	Task description and table of content
2	Configurator sketch: Overview
3	Sketch explanations
4	Description for the selection menu: Part 1
5	Description for the selection menu: Part 2
6	Explanations for elements and symbols


DView 1


Favorites











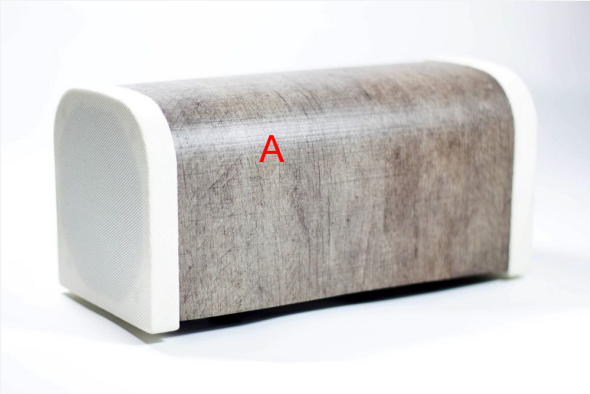
A.4

A.5

A.1

Rendering







3D-Model



A.2



B

1. Model	
2. Size	
3. Body	
4. Sides	
5. Chassis	
6. Feet	

A.3









Frequency range	5 - 30k	Dimensions H, W, D in mm	123 x 231 x 123	Total price	1429,- €
Max sound level	120 db	Weight in Kg	5,6	Delivery time	6 Tage
Power	50	<div>To Amazon-Shop</div>			

F

C

Product description



Element	Explanation
A	This element displays/renderes the current loudspeaker. It offers the customer a preview of the individualised product, which the customer configures through the settings on the right selection menu. The user is able to change the view by keeping the mouse button pressed. The component will be implemented with ThreeJS. An example is shown here: https://threejs.org/examples/#webgl_animation_cloth
A.1	A Toggle-Button that toggles the component A between a photorealistic non interactive static view and the interactive rendered ThreeJS view.
A.2	Undo and redo button. Undo the last change.
A.3	Share button, open up a list/panel with Social-Media-Buttons like Instagram, Facebook, Printerest (WhatsApp optional) and a share Link-Button     
A.4	(Heart) Favorite button, this put the current loudspeaker into the list on the left side (D). This should have two states for example filled and not filled to indicate that the product is in the list or not.
A.5	In image mode: The customer could press the button to get another photorealitic image. There should also be an element below or above the image to indicate that more images are available. In threejs mode: This could also be used to inform the customer that he is allowed to use the mouse button to adjust the camera. (for example like a head up display help text or an an icon of a clicking/grabbing pointer)
B	The central menu (e.g Accordion), includes all components to configure and design the loudspeaker. Important: <ul style="list-style-type: none"> - Shows the possibilities of individualisation - Guides the customer through the process
C	Overview of the key properties that reflect the current product. Includes a button with a link to our amazon shop where the customer can buy the final individualized product. The informations should be grouped into performance indicators, physical properties and purchase informations.
D	List of the users favorites.
E	Navigation panel for the whole website. Configurator is the current site
F	Collabsible information window with a summary of the product. This contains also longer texts about the manufacturing process etc.

2. Size

S (1 Way)

M (2 Way)

L (3 Way)

+ 29,- € / + 3 days delivering

Size reduction:

+ 0,00 €

+ 10 days

Switch from 3W Superior Bass to 2W Superior Bass

→ [Change now](#)

Höhe

15 cm

Breite

23 cm

Tiefe

12 cm

3. Body

Wood	<input checked="" type="checkbox"/>
Unicolor	<input checked="" type="checkbox"/>
Metal	<input checked="" type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Rough / Structured ☒

Smooth ☒

+ 0,- € / + 0 days delivering time

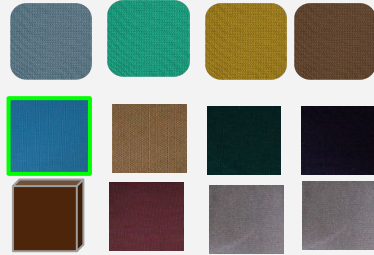
Vintage Oak
Rough,...

+ 0,00 €
+ 0 days

Model / Type	The customer choose the basic model. The current selection should be highlighted.
Size	<p>The customer could use one of the predefined sizes or enter a custom size with the help of slider or directly into a textbox..</p> <p>There is a information at the top that indicates changes in delivering time and cost.</p> <p>There is the possibility that the user enters a value that is not possible to manufacture for example because it is to small for the current number of included sound transducer. In that case a window should pop up that allows the user to easily change the blocking option into a valid alternative (if thats possible). It should also be possible to close that window without changing any option (So also the size wouldn't change)</p>
Body Surface	<p>The customer picks one surface from a list of roughly 50 decors. They should be placed in a table like structure depending on the available screen size. The current selection should be highlighted.</p> <p>How should the decores be presented. Tile based or maybe as 3D Objects like in row 1, or do you have an entirely different idea. Please provide an idea for a visually attractive solution.</p> <p>The images are taken from https://www.resopal.de/hpl/dekore</p> <p>There is a filter menu on the left side. Above are visual categories and below a haptic separations.</p> <p>The customer should be able to get further informations for a decor by hovering over it.</p>

4. Sides

Classic ☒
Metallic ☒



Acoustic
fabrics for
the Sides

Mostly the same as 3.

There are around 50 fabrics. They should be placed in next to each other depending on the available screen size.

There is a filter menu on the left side.

Do you have any more hints or an image for us that improves this design?

5. Chassis & System

1 Way ☒
2 Way ☒
3 Way ☒










Chassis &
System

The customer could choose the used sound transducer.

They are mainly distinguished by the number of sound transducer and their quality.

We want to provide a few different predefined packages for the customer.

It is possible that the customer selects a package that requires a bigger loudspeaker. An information box should popup. (Same as size change scenario)

Hint	All symbols are only used to describe the functionality. You are allowed to change them.
Elemente / Symbols	Description
	Indicates that the user should get a visual feedback.
	The user should get an confirmation box. The customer could confirm a change that is necessary to apply an option or cancel the change.
	The user should get an information box for example a tooltip. No user interaction involved.
	(Heart) Favorite button, this put the current loudspeaker into the list on the left side (D). This should have two states for example filled and not filled to indicate that the product is in the list or not.
	A Toggle-Button (has 2 states): Rendering or image mode.
	Share-Button
Zielgruppe	The target group is between 20 and 40 years old. They have their own style and attach importance to individual designs.
Unternehmen / Marke	We believe in individuality and the desire to user friendly technology. With Bieon we create the possibility that people express their personality with customized products while enjoying music and technology.
	Our Logo