

Type of disabled : The blind

Description :

Nowadays, there are numerous products are available in different shops. Each of the products has unique functions and effects. However, the blind cannot enjoy the fun of shopping due to their loss of sight.

The new device for them can surely help them to choose the most suitable product or meal in shops or restaurants.

Here is the explanation of the design of the device :

- Size : 10 cm x 6 cm x 1.5 cm
- Six buttons on the front side :
 1. Previous item
 2. Next item
 3. Stop
 4. Information
 5. Back
 6. Resume
- A speaker on the front side
- On/off button on the side
- A port for earphones on the side
- A frame and a bar code reader
- Place for four AA batteries

How to use :

Situation 1 (In fast food shop or restaurant)

When the blind arrives at a shop selling food. He can just take out his device, and then switch it on.

The steps are :

1. Put on the earphones
2. Place the bar code reader on the bar code provided in the shop
3. The code will be retrieved.
4. Take away the reader from the bar code.
5. The device starts to play recording about the meals sold by the shop.

For example : Sweet and sour pork with rice, thirty-five dollars, fried rice ...

The blind can use the button 'Stop' to stop the recording and listens to the previous and next items by the 'previous item' button and 'next item' button.

He can also press the 'Information' button to check the types of ingredient contain in the meal. Press 'back' to go back to normal recording (name and price) and 'Resume' to continue the recording.

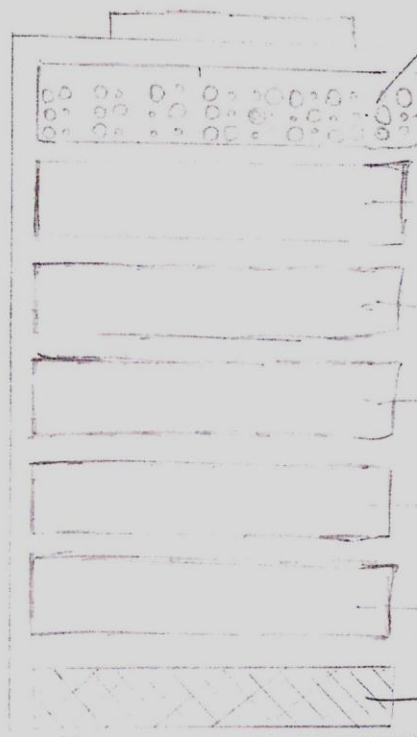
Situation 2 (In retail shop)

The steps are :

The 1st to 4th steps are the same as above situation.

5. The device will provide name of products and corresponding price in normal recording. Ingredients and manufacturer information will be provided if the blind press 'Information' button.

Front view



presented in Braille characters

Button for previous item

Button for next item

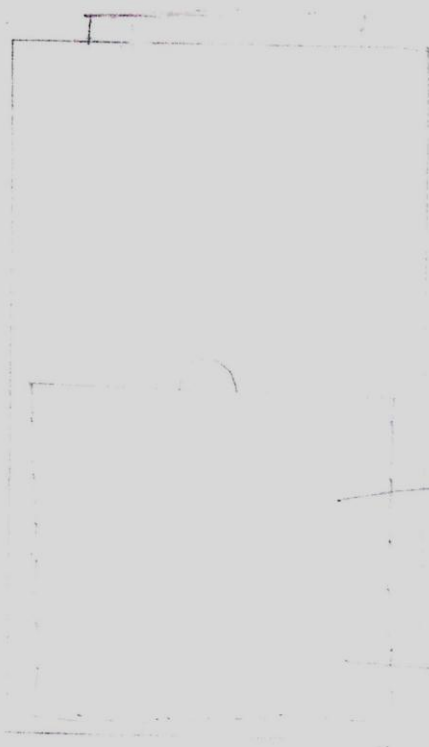
Stop button

Information button

Back button

Resume button

speaker

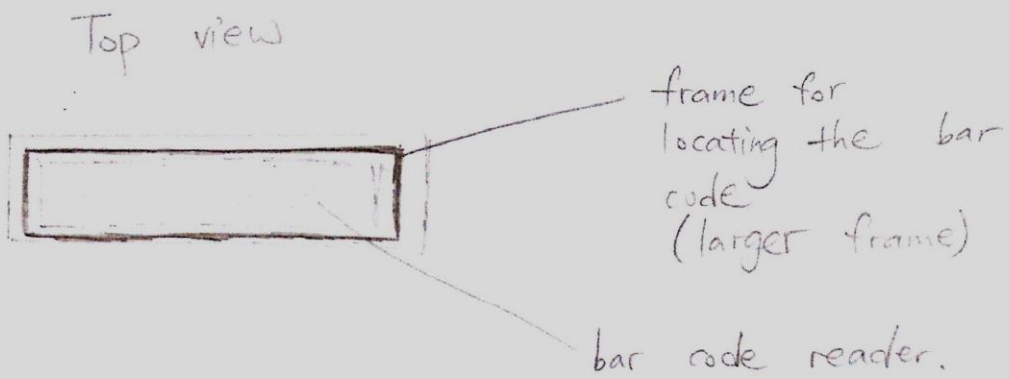
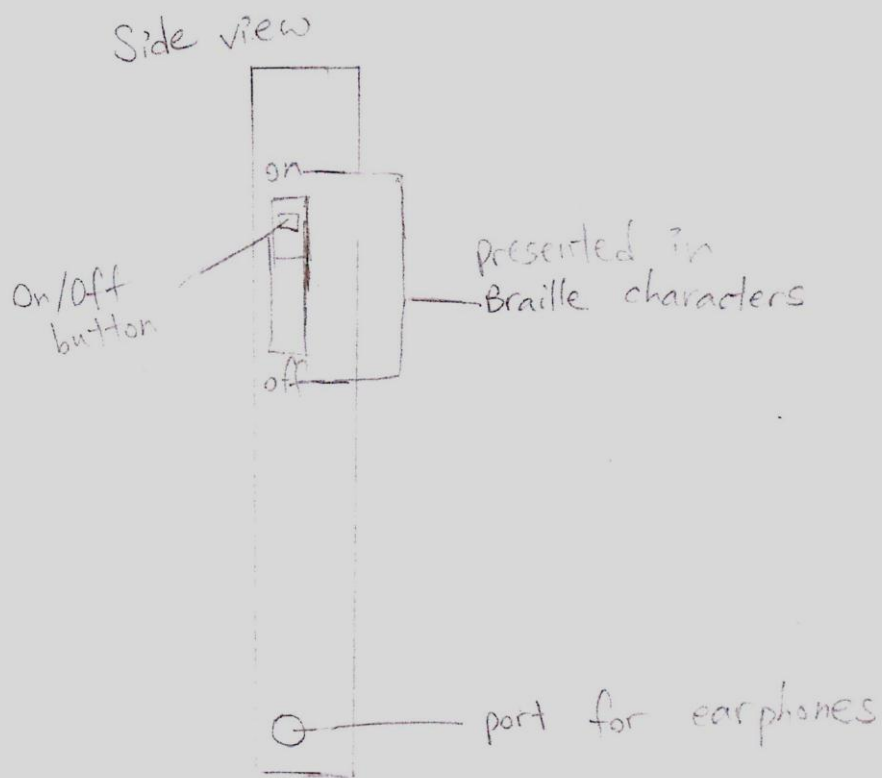


Inside:

Place for batteries
(Four AA batteries)

Cover

Back view



bar code in shops or restaurants

