

# MY MANUFACTURING SPECIFICATION

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## SCALE OF PRODUCTION AND THE MANUFACTURE OF MY PRODUCT

Choose one of the industrial scales of manufacturing listed below. Explain how it has influenced the design and manufacture of your product.

One off / Prototype:      Batch Production: ✓

Continuous Production:      Just In Time:

*My speaker system will be batch produced, when it is manufactured in a factory. Consequently, it can be assembled easily with screws, panel pins and other standard components. The way it is assembled has been simplified, so that it can be put together quickly. Readily available materials such as MDF will be used. It is designed to be disassembled easily for recycling, at the end of its useful life.*

## STANDARD COMPONENTS TO BE USED DURING MANUFACTURING



PVA Glue



CSK screws



Panel pins



Pin hinges



Two Speaker Grills



Liteair Speakers

By V.Ryan

## PRODUCT DESCRIPTION

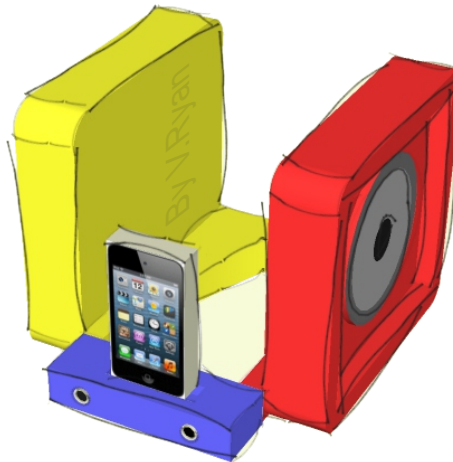
*My speaker system is aimed at teenagers. The design has been influenced by the Memphis Design Movement. It is brightly coloured and unusual in shape and form.*

*It has been designed so that it folds up and can be carried from one location to another.*

*Recycleable and sustainable materials will be used, so that it is as environmentally friendly as possible.*

*Standard components will be used to reduce development and manufacturing costs and the final price to the customer.*

## FINAL IDEA



## QUALITY ASSURANCE/ CONTROL AND MY PRODUCT

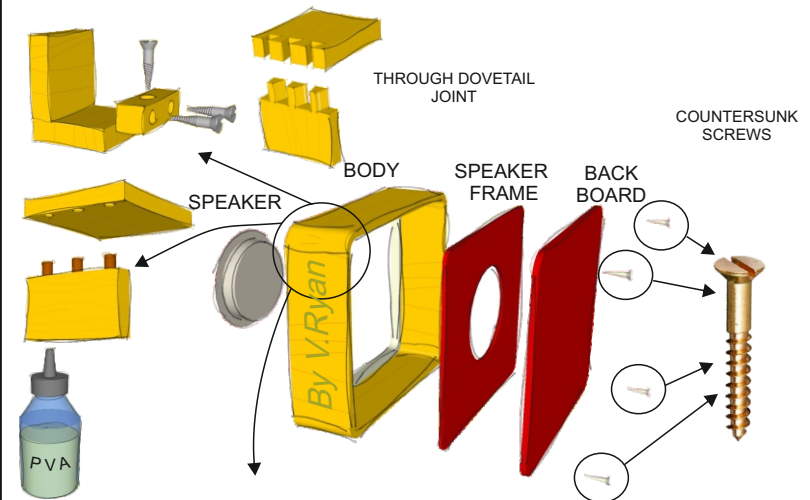
*I will set up a quality checking system, to ensure that the product is manufactured to the highest possible standards.*

*Materials will be visually checked, so that only the best materials are used. Materials with imperfections will be rejected / recycled. The materials will be tested for strength and durability, before the manufacturing process begins.*

*The quality of manufacturing will be checked at every stage, with faults being identified and corrected.*

*The finished product will go through extensive tests and checks, before being passed on to the customer.*

## ASSEMBLY AND CONSTRUCTION



*The exploded drawing shows the assembly / construction of each of the speakers. Standard components and manufactured parts are combined to produce the mp3 system.*

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## **QUALITY ASSURANCE/ CONTROL AND MY PRODUCT**

## **STANDARD COMPONENTS TO BE USED DURING MANUFACTURING**

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## **ASSEMBLY AND CONSTRUCTION**