

# 215mm Two Thirds Drawer Unit

Construction Instructions

[www.ebmahobby.co.uk](http://www.ebmahobby.co.uk)



## Introduction

The EBMA Modular Storage Units are produced in a combination of 3mm and 6mm MDF. As such normal DIY woodwork procedures can be applied to them. The parts are cut by a laser cutter which results in smoke marks on the surface of the wood. One side of the wood will have slight marks and the other will be more pronounced. Some parts are symmetrical and you are therefore able to choose the visual effect you wish. For asymmetrical parts if you wish to remove the smoke marks then fine sandpaper may be used (use a sanding block, not just the paper on its own).

Where glue is required during assembly a good quality wood glue (PVA) should be used. When wiping the excess away wherever possible wipe it towards the burnt edge as this marks less.

Dry fitting components prior to gluing is highly recommended, i.e. compulsory! You should also use an engineers' square during construction to ensure that everything goes together absolutely square.

# Construction

## Shell

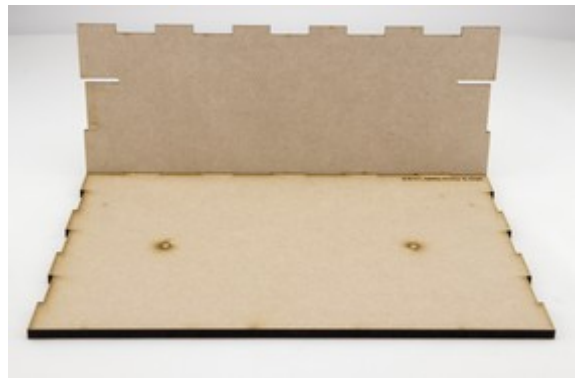
1. Position the 3mm magnets into the side panels and the 6mm magnets into the top and base. Remember the polarity of the magnets. The magnets are to help align multiple units. Which way you put the north or south poles does not matter so long as you are consistent. For the 6mm horizontal surfaces push the first magnet into it's hole, it's usually easier from the 'burnt' side of the wood. Unless you push them in and out several times it isn't usually necessary to glue them in. Having got the first magnet in, use this to align the other 6mm magnets. The only way of telling the alignment of the magnets is to offer them up to each other and it is often easier to handle the magnets as a stick of several rather than individually.

Do similarly for the 3mm vertical surfaces. The thinner magnets also have a tendency to twist slightly as they go in. To counter this place the side outer down and push the magnet with a round rod, such as the end of a mortice key. This should square it up and align it with the outer surface.

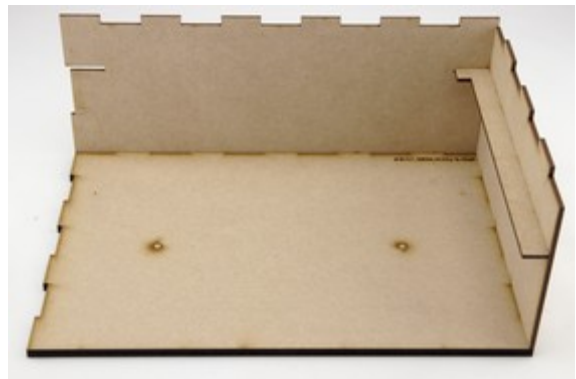
2. Glue the support shelves ensuring that they are at right angles to the sides and that the excess glue is removed. Failure to do the latter may mean that the drawers don't run smoothly.

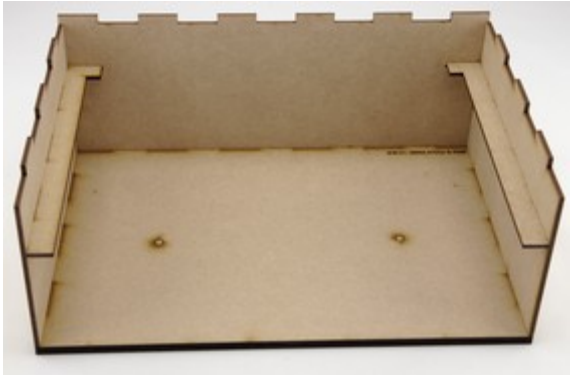




3. Glue the rear onto the base.



4. Glue the right hand side on. With the sides it is often easier to slide the shelves into the rear and then align with the base.







<p>5. Glue the left side on.</p>	
<p>6. Glue the top on.</p>	
<p>7. The shell is complete and ready for the drawers. Ensure that the glue is completely dry before inserting the drawers. The unit can also be used with the smaller drawer at the bottom.</p>	

## Drawers

### Two Thirds Height Drawer



<p>1. Glue the rear onto the base.</p>	
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<p>2. Glue the two sides on. Remove any excess glue to ensure that the drawer will run smoothly.</p>	
<p>3. Glue the front on. Make sure it is a good joint as you'll be pulling the full weight of the paint with this.</p>	
<p>4. Glue one spacer to the rear of the front, below the cut-out. This will support the top.</p>	
<p>5. Glue the top on and the drawer is complete. If the top doesn't just drop on then you need to make sure it isn't distorting the drawer. This can happen if the drawer is slightly out of true. Identify where the top is tight fitting to the base and use sandpaper and/or files to relieve it.</p>	




## One Third Drawer

### *Plain Drawer*



<p>1. Glue the rear onto the base.</p>	
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<p>2. Glue the two sides on. Remove any excess glue to ensure that the drawer will run smoothly.</p>	
<p>3. Glue the front on. Make sure it is a good joint as you'll be pulling the full weight of the drawer with this. The drawer is complete.</p>	




### ***Enamels Drawer***




<p>1. Glue the rear onto the base.</p>	
<p>2. Glue the two sides on. Remove any excess glue to ensure that the drawer will run smoothly.</p>	
<p>3. Glue the front on. Make sure it is a good joint as you'll be pulling the full weight of the paint with this.</p>	



<p>4. Glue two spacers to the rear of the front, either side of the cut-out. These will support the top.</p>	
<p>5. Glue the top on and the drawer is complete. If the top doesn't just drop on then you need to make sure it isn't distorting the drawer. This can happen if the drawer is slightly out of true. Identify where the top is tight fitting to the base and use sandpaper and/or files to relieve it.</p>	

### **17ml Dropper Bottles Drawer**

<p>1. Place the rear bottle supports into the base. These do not need gluing. Note that there are two different curved supports. In the photo the bottles will lie with their tops pointing to the right. Here the thinner curved supports are to the left of each set, e.g. plain, thin, thick, plain, thin, thick, plain, thin, thick, plain.</p>	
<p>2. Place the intermediate strip with the cut outs onto the base. This does not need to be glued.</p>	
<p>3. Place the main bottle supports onto the base. As before these do not need to be glued and the curved supports are in two thickness. From the rear of the drawer the supports are – thick, thin, plain, thick, thin.</p>	

<p>4. Glue the two sides on. Don't forget to dry run, it makes it much easier. Also remember to remove excess glue to ensure smooth running of the drawers.</p>	
<p>5. Glue the rear on.</p>	
<p>6. Glue the front on. Make sure that this is glued on well as you'll be pulling the weight of all the paints with this.</p>	
<p>7. All being well the drawer is complete and looks like this.</p>	