

# 215mm Corner 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 though note that the magnets might be 2.5mm thick and need to be pushed to the outer surface of the unit. 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. It is important to read through all of these instructions and at least do a dry fit of the middle shelf to the two rear pieces. These can be tight at first so best not to be messing with glue when first fitting them. It is best to do a dry fit of these particular parts before doing anything else. The whole unit except the drawers can in fact be assembled without glue at first and then reverse to step 7, before working forward again but using glue this time.

3. Place two small and two large supports into the base. These do not need to be glued and note that the smaller supports have tabs that need to face towards the edge of the base.  
No glue is required for this step.



4. Locate the middle shelf onto the supports. Start with the left hand small support. Once this is located move onto the left hand larger support, then the right hand large and finally the right hand smaller.  
No glue is required for this step.



5. Place the remaining small and large supports onto the middle shelf. Again note that the smaller supports have tabs that need to point to the outer edge of the unit.  
No glue is required for this step.



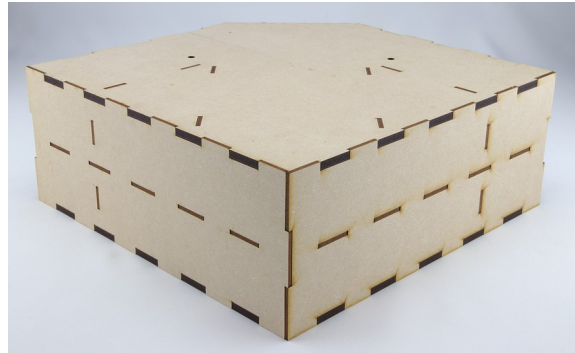
6. Place the top onto the supports. Again start with the left hand support and work round to the right hand side. No glue is required for this step.



7. Do a dry run of this step before applying glue. Glue the first of the rear pieces on. Wait for the glue to set.



8. Do a dry run before applying glue to this step. Glue the second rear piece on and allow for the glue to set.



9. Glue the two sides on. The carcass is now complete but leave it a good while to ensure that the glue is completely dry before inserting the drawers.



## Drawers

1. This photo sequence shows one of the larger drawers being constructed but the process is the same for the smaller drawers as well.  
Glue the side onto the base. Remove any excess glue to ensure that the drawer will run smoothly.



2. Glue the rear on.



3. Glue the second side on. Remove any excess glue to ensure that the drawer will run smoothly.



4. 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. Ensure that the glue is completely dry before inserting it into the carcass.

