

EMPEROR MK II ASSEMBLY INSTRUCTIONS



This product complies with European Union EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EC)

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We reserve the right to change the information contained in this manual without notice.

EMPEROR MK II ASSEMBLY INSTRUCTIONS

Please read this before unpacking the loudspeakers

The Emperor will be supplied broken in to modules and packed in crates as shown below.

Crate/Carton No.	Contents	Carton Size L/W/H (cm)	Weights
1	2 woofer sections	120 x 80 x 114cm	240.00 kg
2	2 woofer sections	120 x 80 x 114cm	240.00 kg
3	2 woofer sections	120 x 80 x 114cm	240.00 kg
4	2 woofer sections	120 x 80 x 114cm	240.00 kg
5	2 centre sections	200 x 102 x 77cm	277.00 kg
6	2 top + 2 base plates	120 x 100 x 57cm	165.00 kg
7 ¹	2 DDD driver sections	163 x 80 x 53cm	105.00 kg
8	4 front panels	197 x 68 x 52cm	132.00 kg
9	1 DSP-X crossover	64 x 64 x 35cm	35.00 kg

¹ Each DDD driver section is packed in a cardboard carton and these are strapped to a pallet.

Tools required: The crates are held together with screws. To remove these, we strongly recommend you arrange for two good quality electric screwdrivers with spare batteries and chargers. You will also need Pozidrive bits for the screws. Please have a few spare bits in case some get damaged or misplaced.

If you will be working on a hard floor, you will need to provide a piece of thick carpet or similar material to rest the centre section on when the base plate is being attached. This should be approximately 1m wide and 2.5m long, which will go under the length of the centre section.

You will need a second piece of carpet approximately 0.5m wide and sufficiently long so that when rolled up and placed under the centre section, when it is laid horizontally, it will raise the end by approximately 15cm – figure 3.

Manpower required: You will need three people to safely handle the components and assemble these loudspeakers in a reasonable time.

IMPORTANT: Before handling any loudspeaker components, remove any rings, watches, belt buckles or any other items that might scratch or otherwise damage the finish on the components. Any damage so caused will not be covered by the warranty.

IMPORTANT: The screws to attach the base plates and top plates, front panels and the DDD drivers are packed in individual bags together with the tool required to tighten them. Please keep these separate. Each bag is clearly labelled to indicate the application for the contents.

IMPORTANT: The jumper cables required to connect the lower and upper bass cabinets, the upper cabinets to the centre sections and the DDD drivers to the centre sections are packed in individual bags. These have different colour codings and or different lengths, so please keep these separate. Each bag is clearly labelled to indicate on which part of the loudspeaker it is to be used.

IMPORTANT: The crates used to ship the Emperor are large and heavy as you can see from the table above, so please give some thought to how you will store and manoeuvre them during the assembly process.

IMPORTANT: If the crates have to be unloaded during wet weather, take precautions to prevent the crates from becoming wet.

IMPORTANT: These loudspeakers must be tri-amped and used in an active system. To facilitate this, they have been supplied with a German Physiks DSP-X digital crossover. Full instructions on how to connect the crossover to the system and set it up are in a separate DSP-X user manual, which is packed in the DSP-X carton. Please read this carefully before attempting to use the unit.

Step 1

We will describe how to assemble the loudspeaker that will go on the left side of the room.

Identify crate 6, which contains two top and two bottom plates. Remove the crate's top panel, then remove the two bottom plates and put these to one side. These have roller ball casters recessed into their undersides as shown in figure 1. The top plates will not be needed until much later.

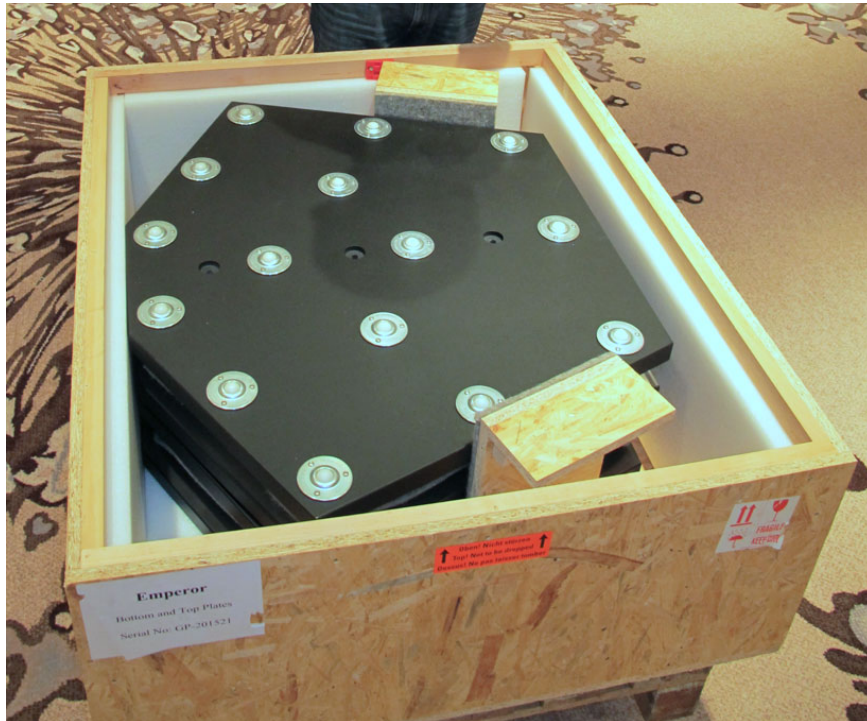


Figure 1. Bottom plate.

Step 2

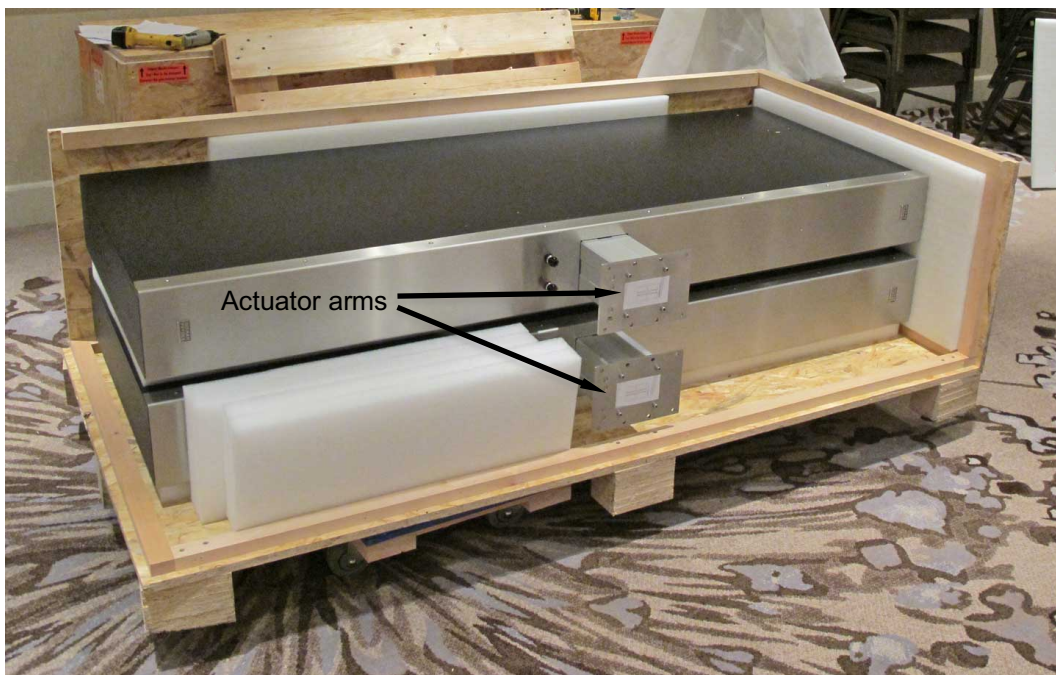


Figure 2. Centre sections.

Identify crate 5, which contains the centre sections. Remove the top panel and then remove two adjacent sides as one piece, as shown in figure 2. This allows you to open the crate more quickly and also to reassemble it more quickly.

Step 3

A label on the actuator arm (figure 2) identifies the left and right centre sections. Lay the larger piece of carpet on the floor, then with two people, lay the left centre section on the carpet with the actuator arm facing upwards. You may need one person to hold the centre section so that it does not topple over.

Identify the bottom end of the centre section. This is the end nearest the two binding posts.



Figure 3.

Roll up the second piece of carpet and place it under the centre section about 30cm back from the bottom end so that the bottom end is raised up by approximately 15cm – figure 3.

This is to make it easier to line up the fixing holes in the base plate with the matching holes in the centre section.

Step 4

Identify crate 9. This contains the electronic crossover, tools and screws. Find the pack containing the socket head screws and washers for attaching the base plates and upper plates. It will also contain the ratchet driver required to tighten these screws - see figure 5.



Figure 4. Offering up base plate to centre section.

Lay one of the base plates against the centre section as shown in figure 4. Have one person lift the base plate up so that the three holes in it line up with the holes in the bottom end of the centre section, while another person fits the three securing screws with their washers. Tighten the screws by hand as far as you can. Use the tool (figure 5) to tighten each screw until it just grips the plate, then back off the screw slightly so that the plate can still be moved. Have the person holding the base plate lift it up to the full extent allowed by the play between the screws and the holes in the plate, then fully tighten each screw. If you do not do this, you may end up with the distance between the front of the centre section and the edge of the base plate being different on the left and right loudspeakers.

IMPORTANT: If a screw will not go in easily, do not force it. Adjust the position of the base plate and try again.



Figure 5. Tightening the base plate screws.

Step 5

Using two people, carefully stand the centre section/base plate assembly up as shown in figure 6. Take care that it does not slip away from you. It can now be moved to the approximate final position for the left loudspeaker.



Figure 6. Standing up the centre section/base plate assembly.

IMPORTANT: Allow some space behind the loudspeaker for access to perform further assembly.

Step 6

With the loudspeaker in the approximate final position on the left side of the room, the sub-woofer and woofer cabinets can now be fitted. Inspect the labels on crates 1 to 4 and identify the two crates containing the two left loudspeaker sub-woofer cabinets and the two left loudspeaker woofer cabinets. Remove the top panels from the crates and two adjacent side panels from each to get access to the contents. Confirm that the contents match the images shown in figure 7.

Each cabinet has a label on its front to show whether it is for the left or right loudspeaker and where on that loudspeaker it should be fitted. The labels for the left loudspeaker are shown in figure 8.



Left loudspeaker upper sub-woofer cabinet



Left loudspeaker upper woofer cabinet



Left loudspeaker lower sub-woofer cabinet



Left loudspeaker lower woofer cabinet

Figure 7

IMPORTANT: When you come to assemble the right loudspeaker, the woofers are placed on the left of the centre section and the subwoofers on the right. Also the location of the drivers on the right woofer cabinets is a mirror image on the vertical axis of those of the left loudspeaker

IMPORTANT: When handling the bass cabinets always have two people to move them.

IMPORTANT: Never put a bass cabinet down on a hard surface as this may damage the finish. Always ensure there is something soft between the cabinet and the floor. In the absence anything else, two layers of the packing material from around a cabinet may be used.



Figure 8. Bass cabinet identification labels for left loudspeaker.

Step 7

Select the left speaker lower woofer cabinet (marked with the label A in figure 8) and then using two people, carry it to the loudspeaker and carefully lower it on to the locating block on the right side of the base plate as shown in figure 9.



Figure 9. Fitting the left loudspeaker lower woofer cabinet.

Step 8

Find one of the inter-cabinet locating blocks, and place it on top of the woofer cabinet you have just fitted as shown in figure 10. Make sure that it sits squarely in the recess in the top of the cabinet.



Figure 10. Inter-cabinet locating block.

Step 9

There are two colour-coded sockets on the top of the woofer cabinet you have just fitted – figure 11. You will need to fit jumpers between these and the corresponding sockets on the underside of the upper woofer cabinet that you will fit next. In crate 9, find the pack of jumpers labelled as being for use between the upper and lower bass cabinets. Take out two jumpers that match the colour coding of the sockets and fit them so that they lie below the top of the inter-cabinet locating block.

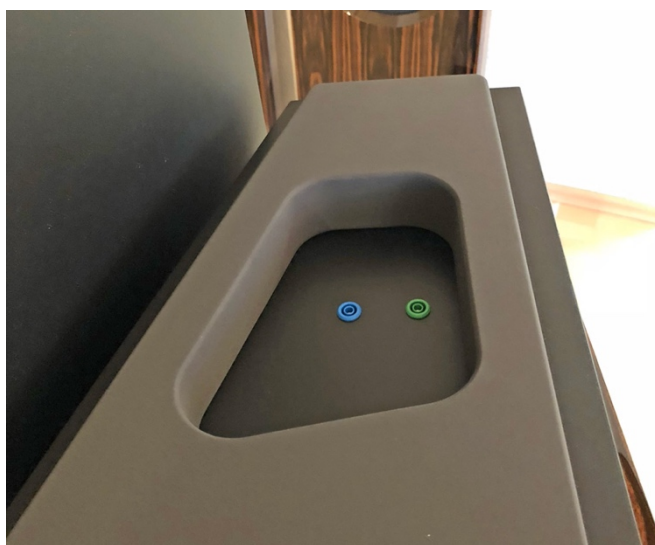


Figure 11. Jumper sockets on top of woofer cabinet.

Step 10

Figure 12. Fitting the lower woofer cabinet.

Select the left speaker upper woofer cabinet (marked with the label B in figure 8) and using two people carefully place it on top of the lower woofer cabinet so that it sits squarely on the inter-cabinet locating block as shown in figure 12.

Step 11

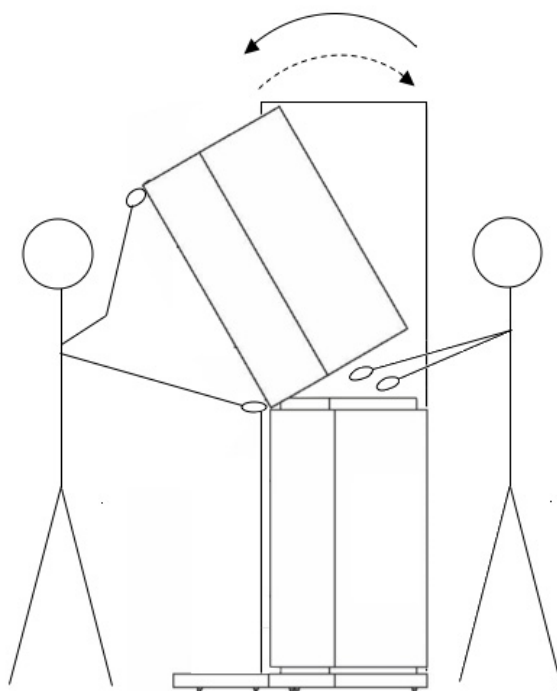


Figure 13. Connecting the jumpers between the woofer cabinets.

With one person at the front of the loudspeaker, as shown in figure 13, tip the upper woofer cabinet forward on its front edge, taking great care that it does not slip off the top of the lower woofer cabinet. A second person at the rear of the loudspeaker can now connect the jumpers to the sockets in the underside of the upper woofer cabinet.

IMPORTANT: Make sure that the same colour sockets are connected together.

Step 12

Select the left speaker lower sub-woofer cabinet (marked with the label C in figure 8) and then using two people, carry it to the loudspeaker and carefully lower it on to the locating block on the left side of the base plate - A figure 14.

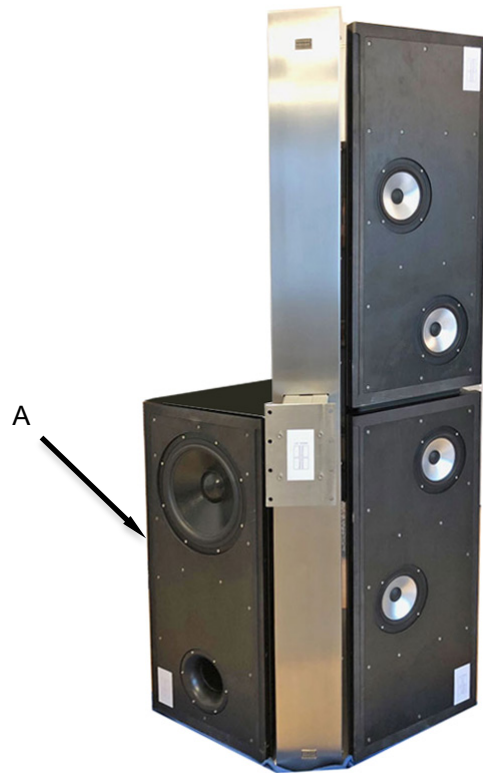


Figure 14. Fitting left loudspeaker lower sub-woofer cabinet.

Step 13

Fit an inter-cabinet locating block into the recess on the top of the sub-woofer cabinet you have just fitted. Make sure that it sits squarely in the recess.

Step 14

Take a pair of jumpers from the pack you used for the lower woofer cabinet, making sure that their colour coding matches that of the sockets in the top of the sub-woofer cabinet you have just fitted. Fit the jumpers to these sockets and push them down so that they lie below the top of the inter-cabinet locating block. The other ends of these jumpers will be connected to the sockets on the underside of the upper sub-woofer cabinet that you will fit next.

Step 15

Select the left speaker upper sub-woofer cabinet (marked with the label D in figure 8) and using two people carefully place it on top of the lower sub-woofer cabinet so that it sits squarely on the inter-cabinet locating block.

At this stage the loudspeaker should look as shown in figure 15.



Figure 15. Left loudspeaker with all four bass cabinets fitted.

Step 16

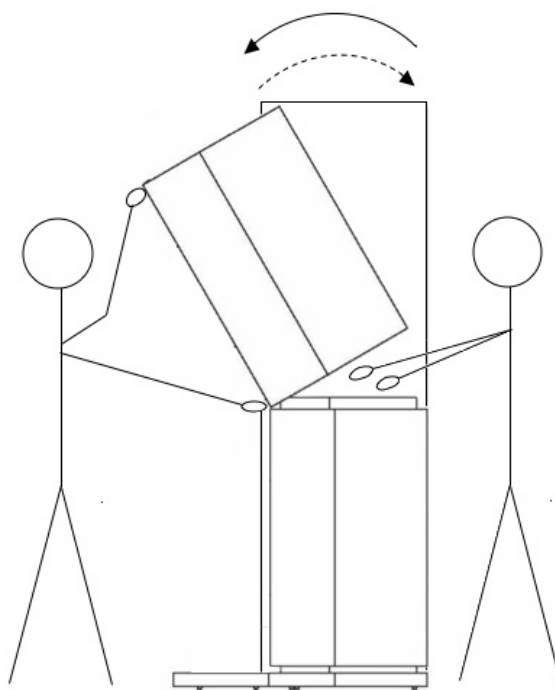


Figure 16. Connecting the jumpers between the woofer cabinets.

With one person at the front of the loudspeaker, as shown in figure 16, tip the upper sub-woofer cabinet forward on its front edge, taking great care that it does not slip off the top of the lower sub-woofer cabinet. A second person at the rear of the loudspeaker can now connect the jumpers to the sockets in the underside of the upper sub-woofer cabinet.

IMPORTANT: Make sure that the same colour sockets are connected together.

Assembling the right loudspeaker

To assemble the right loudspeaker, repeat steps 3 to 16 using components marked for use with the right loudspeaker.

Note, on the right loudspeaker, the woofer cabinets are fitted to the left of the centre section as shown in figure 17.

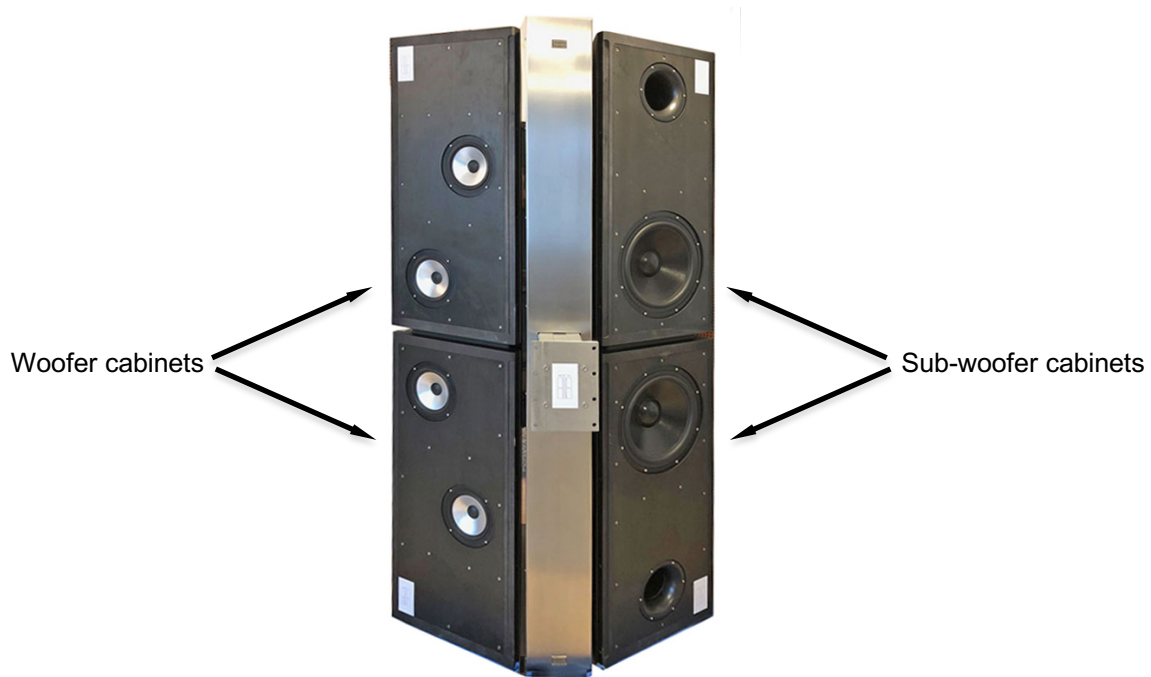


Figure 17. Right loudspeaker with all four bass cabinets fitted.

FITTING THE FRONT PANELS

Step 17

Identify crate 8, which contains the front panels. These have a high-quality veneer on one side and are also quite heavy, so need to be handled with great care to ensure that the veneer is not damaged. We strongly recommend that two people are used to move these.

Remove the top of the crate and carefully remove each front panel and initially place them against a wall. Remove the protective wrapping from around each panel and use it to make an area on the floor where the panels can be laid face down as shown in figure 18.

IMPORTANT: The panels must not be left leaning against the wall for more than 48 hours otherwise there is a risk that the panels' weight will cause them to sag and deform.



Figure 18. Front panels.

Each front panel has a label on its rear face to show which loudspeaker it is intended for and on which side of the loudspeaker it is to be fitted. These labels are shown in figure 19.

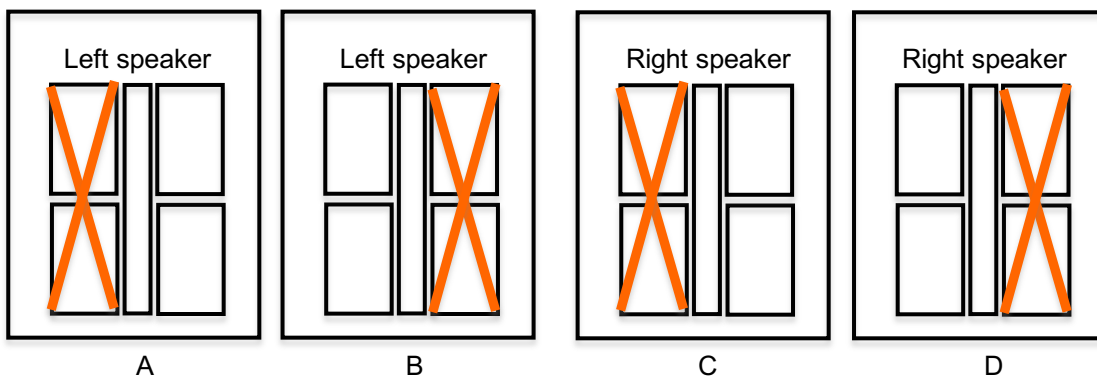


Figure 19. Front panel labels.

Step 18

We will fit the front panels to the left loudspeaker first.

From crate 9 take the pack that contains the screws marked to be used for securing the front panels. It will also contain a tool to be used to tighten these screws and a felt packing piece.

Step 19

Place the felt packing piece on the upper surface of the left loudspeaker base plate, in front of the sub-woofer cabinet. See that it is placed centrally as shown in figure 20. The length of the strip supplied may be different to that shown in the picture. The front panel will be rested on this when it is offered up to the sub-woofer cabinets so that the front panel screws can be more easily inserted. It also protects the front panel from being damaged at this stage.



Figure 20. Felt packing piece placement.

Step 20

Identify the left front panel of the left loudspeaker – it will be marked with label A in figure 18.

One person should pick it up by its edges and offer it up to the loudspeaker, while the second person guides the bottom edge on to the felt packing piece as shown in figure 21.



Figure 21. Offering up a front panel.

Once the lower edge of the front panel has been securely located against the front of the lower sub-woofer cabinet, the panel's top edge can be carefully guided back against the upper sub-woofer cabinet.

Step 21

While one person holds the front panel in place, the second person should start inserting the securing screws. There are 8 on each edge.

IMPORTANT: You must start on the edge of the panel nearest the centre section.

IMPORTANT: If a screw will not go in easily, do not force it. Adjust the position of the front panel and try again.

Do the screws up by hand as far as you can. Only then should the supplied tool be used to fully tighten the screws. This requires patience, so take your time.

To fit the right front panel

Place the felt strip on the base plate in front of the lower woofer cabinet and repeat the process described in steps 20 to 21.

Step 22

Repeat steps 19 to 21 to fit the front panels to the right loudspeaker. The left panel will be marked with label C in figure 18 and the right panel with label D in figure 18.

FITTING THE TOP PLATES, CABLES AND IR SENSOR

Step 23

We will start with the left loudspeaker

Take one of the top plates – either of the two remaining plates from crate 6 may be used – and place it on top of the loudspeaker so that the locating blocks sit squarely in the respective recesses in the tops of the bass cabinets.

Step 24

Take 3 of the screws and washers from the pack you used for the base plates, insert these into the three holes in the top plate – figure 22 – and do them up by hand as far as you can.



Figure 22. Top plate screws.

IMPORTANT: If a screw will not go in easily, do not force it. Adjust the position of the top plate and try again.

Use the tool supplied with these screws (see figure 5) to fully tighten them.

Step 25

From crate 9 remove the pack of jumpers labelled for use between the top bass cabinets and centre section. Take out four that are colour coded to match the sockets in the tops of the bass cabinets.

Connect the two sockets in the top of each bass cabinet to the adjacent sockets in the centre section – figure 23.

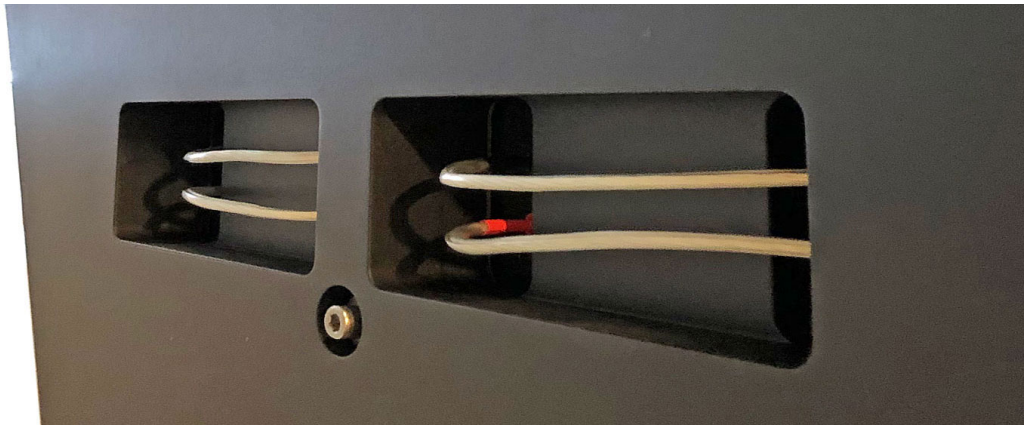


Figure 23. Bass cabinet to centre section connection.

IMPORTANT: Make sure that the same colour sockets are connected together.

Step 26

Find the IR sensors in crate 9. Take one from the pack and noting the orientation from figure 24, feed it through the hole in the top plate and plug it in to the socket in the top of the centre section.

IMPORTANT: If it does not go in easily, check that that you have it around the right way and that the connector on the sensor is properly aligned with the connector on the top of the centre section.

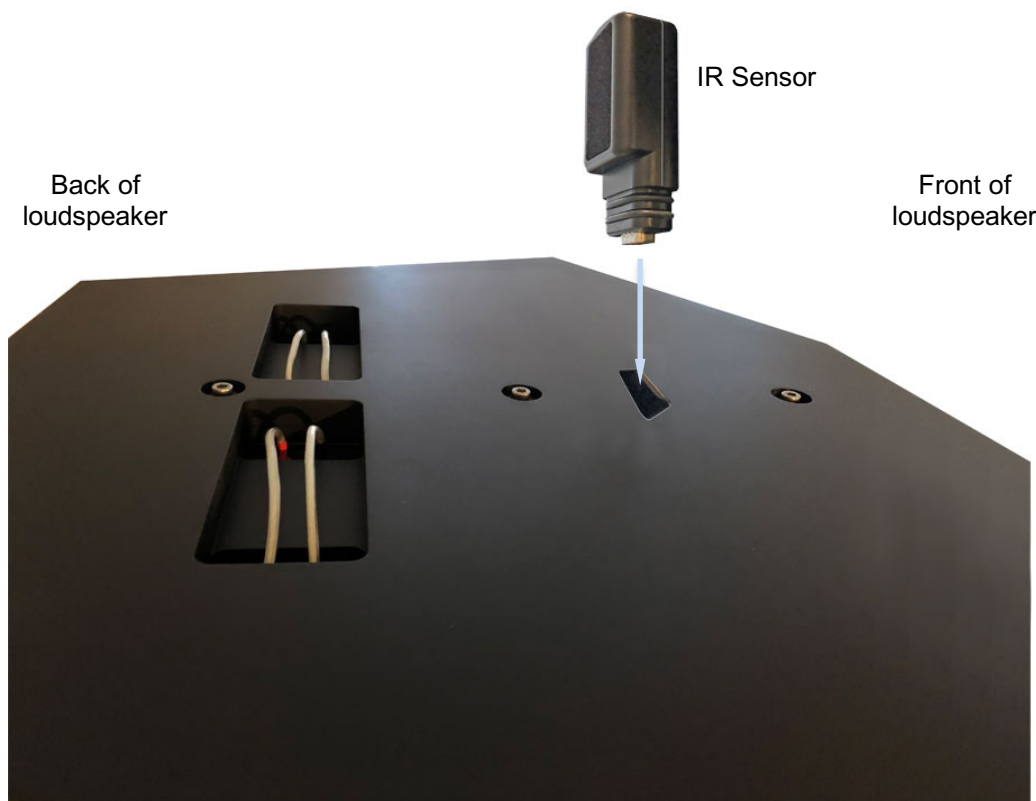


Figure 24. Fitting IR sensor.

To fit the top plate and IR sensor to the right loudspeaker

Repeat the process outlined in steps 23 to 26.

CONFIRMING OPERATION OF THE DDD DRIVER ACTUATORS**Step 27**

In crate 9, find the two loudspeaker power cables and the IR remote control – figure 25. Connect a power cable to the power inlet on the rear of the left loudspeaker centre section – figure 26. Connect the other end of the cable to a power outlet and confirm that it is switched on.



Figure 25. IR remote control.



Figure 26. Power cable and audio input connection.

IMPORTANT: There are no batteries inside the IR remote control. It generates the power it needs from an internal generator that is driven whenever the remote control is handled.

Step 28

Point the IR remote control at the sensor on the top of the left loudspeaker – see inset in figure 25, then press the buttons marked **↑** and **↓** and confirm that the actuator arm moves back and forwards.

IMPORTANT: Leave the actuator arm fully extended. This will make it easier to insert the screws that attach the DDD driver section to the plate on the end of the actuator arm.

To confirm operation of the right loudspeaker actuator

Repeat the process outlined in steps 27 to 28.

Why does the DDD driver section move?

Because the DDD driver covers almost the entire audio range – in the case of the Emperor 180Hz to 24kHz – moving the DDD driver section is effectively the same as moving the entire loudspeaker. This makes fine-tuning the loudspeaker position at set-up very much quicker and easier than it would be if the whole loudspeaker had to be moved.

FITTING THE DDD DRIVER SECTIONS

Step 29

In crate 9, find the pack of jumpers to be used to connect the DDD driver sections to the binding posts on the fronts of the centre sections. Also find the pack containing the screws to be used

to attach the DDD driver sections to the actuator arms. This pack will contain a tool to be used to tighten these screws.

Step 30

Identify crate 7, which contains the two DDD driver sections. This is actually two individual cardboard cartons strapped to a pallet, with each carton containing a DDD driver section. The DDD driver sections are identical and each may be used on either loudspeaker.

Remove the banding and any cling film from around the cartons. Select a carton, then using a sharp knife carefully cut the tape securing the carton's top flaps along the centre line and at their ends.

IMPORTANT: Ensure that the knife does not intrude more than 1 cm into the carton.

Using discarded packing from the carton or other suitable soft material, make a pad approximately 45 cm square. Place this on the floor in front of the left loudspeaker just ahead of the actuator arm. You will rest the DDD driver section on this once it has been removed from the crate.

Step 31

Using two people, carefully lift the DDD driver section from the carton by supporting it from underneath and then place it on the pad you have just put in front of the left loudspeaker.

Remove the protective covers.

Look at the mounting block fitted to the centre of the DDD driver section and orientate it so that the black and red banana sockets are on the lower edge.

IMPORTANT: If you do not orientate the DDD driver section as directed, you will not be able to fit the DDD driver section cables.

Step 32

Rotate the DDD driver section so that the mounting block faces directly back towards the matching plate on the end of the actuator arm.

Step 33

While one person lifts the DDD driver section and offers it up to the actuator arm as shown in figure 27, so that the holes in the two sets of mountings align, a second person can insert and hand tighten the 8 mounting screws. At this stage it may be useful to use the bit from the wrench provided with these screws as a hand-tool.

IMPORTANT: If a screw will not go in easily, do not force it. Adjust the position of the DDD driver section and try again. The loudspeaker was assembled in order to test it and all the screws will fit.

IMPORTANT: When lifting the DDD driver section take care not to touch any of the DDD driver diaphragms, surrounds, suspensions or lead wires.

Only when the screws have been tightened by hand as far as possible, use the tool provided to tighten the top and bottom two screws sufficiently to secure the DDD driver section, but do not fully tighten them yet.



Figure 27. Fitting the DDD driver section.

Step back from the loudspeaker 2 or 3 metres and check that the DDD driver section is aligned vertically. If it needs adjustment, slacken off the top and bottom two screws, make any re-alignment necessary, then tighten these screws sufficiently to secure the DDD driver section, but do not fully tighten the screws until you are satisfied with the alignment.

When you are satisfied with the alignment, fully tighten all 8 screws.

Step 34

From the DDD driver section cable pack, take one red colour coded cable and one black colour coded cable.

Connect the cables between the sockets on the DDD driver section and the binding posts on the centre section as shown in figure 28.



Figure 28. DDD driver section connection cables.

IMPORTANT: Make sure that the same colour sockets are connected together.

To fit the DDD driver section to the right loudspeaker

Repeat the process outlined in steps 29 to 34.

CONNECTING THE AMPLIFIER CONNECTING BOX

The amplifier connecting box – figure 29 - takes the outputs from the three power amplifiers driving the Emperor and channels this into a single multi-core umbilical cable that connects to the back of the loudspeaker's centre section.



Figure 29. Amplifier connecting box.

Step 35

We will start with the left loudspeaker.

In crate 9, find the connecting boxes and umbilical cables.

Place a connecting box close to the rear of the left loudspeaker as shown in figure 30.



Figure 30. Amplifier connecting box and umbilical cable.

Step 36

Insert one of the umbilical cable's plugs into the socket on the rear of the centre section as shown in figure 30. Make sure it latches properly.

Step 37

Insert the plug on the other end of the umbilical cable into the socket on the rear of the amplifier connecting box. Make sure it latches properly.

IMPORTANT: If it is necessary to remove an umbilical cable plug, the latch on the top of the plug body must be pressed first. If you attempt to remove the plug without depressing the latch you risk damaging both the plug and the socket.

To connect the amplifier connecting box to the right loudspeaker

Repeat the process outlined in steps 35 to 37.

DSP-X ELECTRONIC CROSSOVER AND AMPLIFICATION

For details of how to connect and configure the Emperor DSP-X digital crossover and the power amplifiers to the Emperor Mk II, please consult the separate Emperor DSP-X user manual.

LOUDSPEAKER BREAK IN

Like all audiophile equipment, German Physiks loudspeakers require a break in period from new before they reach their optimum level of performance. Initially the sound may seem harsh. Please do not be concerned. The sound will become more relaxed and smooth, as the break in progresses. The music used for the break in should be dynamic in order to properly exercise all the components of the loudspeakers.

For the first 10 hours play the loudspeakers a moderate level only. This is a level where you would easily be able to carry out a conversation without needing to raise your voice.

After this, the loudspeakers may be played at normal listening levels. The break in process will usually be complete after 40 to 50 hours.

CARE OF YOUR LOUDSPEAKERS

NOTE: NEVER attempt to open the cabinets. There are no user serviceable parts inside the loudspeakers.

NEVER touch the diaphragms on the DDD drivers, or allow any object to come into contact with the diaphragms.

NEVER attempt to clean dust off the diaphragms. Dust has no affect on their performance and may be safely ignored.

NEVER attempt to clean the loudspeakers with any abrasive materials or any cleaners containing ammonia, alcohol or other solvents, as these may damage the finish.

The only maintenance the loudspeakers will require is periodic dusting to remove dust and any fingerprints from the cabinets. Please use the cleaning cloth supplied with the loudspeakers. This cloth should be used dry. Do not use any form of liquid with it. Additional cloths may be obtained via your local German Physiks dealer, national distributor or direct from German Physiks.

WARRANTY

Guarantee – European customers only

Under EU law, the person who sells a new product to a customer, whether it is a dealer or manufacturer, is legally obliged to offer a 2-year guarantee. This is what is described as the Gewährleistung in Germany. During this period the customer must make any claim to the original seller.

Outside of this period, the German Physiks warranty described below applies.

Warranty – All other countries

German Physiks warrants this product to be free from defects in materials and/or manufacture if used under normal domestic conditions for a period of 5 years from the date of original purchase. To simplify any future warranty claim, we advise the buyer to register their purchase with German Physiks within 30 days of the purchase. This may be done by completing the registration form at the end of the user manual and returning it to German Physiks together with a copy of the sales receipt, or by using the product registration form on the German

Physiks web site. This may be found under the menu items *Contact/Product Registration*. Alternatively, scanning the QR code below with your mobile phone camera should take you to the product registration page on the German Physiks web site.



Figure 31. QR code for the product registration page on the German Physiks web site.

If this product is re-sold in the original country of sale, the remaining part of the warranty may be transferred to the new owner.

The new owner can register their purchase by using the product registration form on the German Physiks web site.

Please keep the original sales receipt, as it may be required in the event of warranty support being requested. Second and subsequent owners should request this from the seller.

Modifications or repairs performed by the factory, or by an authorised repair agent, shall be guaranteed for the remaining period of the warranty, or for 1 year, whichever is greater.

German Physiks offers no other express warranty on their products. This warranty shall not extend beyond the stated warranty period. No responsibility is assumed for incidental or consequential damage.

This warranty complements any obligations on national distributors or dealers imposed by national or regional law and does not affect your legal rights as a consumer.

Exclusions to the warranty

This warranty is only valid in the original country of sale.

This warranty is only valid for products initially purchased from an authorised German Physiks re-seller, or distributor.

This warranty does not cover damage caused by normal wear and tear.

This warranty will be invalidated if the serial number has been removed, defaced or altered.

This warranty will be invalidated if the product has been used otherwise than in accordance with the user manual.

This warranty will be invalidated if the product has been subject to an unauthorised modification, or repaired by someone other than a factory authorised repair technician, or company.

The warranty will be invalidated if German Physiks determines that the product has been subject to misuse including, but not limited to, exposure to excessive heat or humidity; liquid spills; use of inappropriate cleaning methods and in the case of loudspeakers, burnt out voice coils and dents or scratches on driver diaphragms.

This warranty does not cover any fault that is not due to defects in materials and/or manufacture.

This warranty will not cover any damage incurred as a result of failing to use factory approved shipping cartons/crates, and methods.

SERVICE AND SUPPORT

In all cases the customer should contact the seller and provide them with the following information:

- Model name or number
- Serial number
- Date of purchase
- Description of the problem

They will then contact German Physiks via the local distributor. We will liaise with them to diagnose the fault and decide the best way to affect a repair.

If the dealer/seller or local distributor is unable to assist you, please contact German Physiks using the contact form which may be found under the *Contact* menu item on our web site at www.german-physiks.com. If you scan the QR code below with the camera on your mobile phone, it should open the contact form on the German Physiks web site.

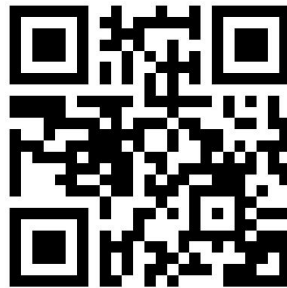


Figure 32. QR code for the contact form on the German Physiks web site.

You can also contact us by email at service@german-physiks.com, by phone on + 49 6109 502 9823, or by fax on + 49 6109 502 9826. In each case you will need to provide the information listed above.

Should you need to phone us, please take into account time differences between Germany and where you are calling from. We can only take calls in German and English. Email is our preferred method of initial contact.

We may request a copy of the original sales receipt to determine if the product(s) is within their warranty period.

In the vast majority of cases, the repair will be dealt with by sending spare parts from the factory to the local distributor who will carry out the repair, or at their discretion authorise the dealer to do so on their behalf. Any costs involved in shipping the products(s) to and from the dealer, or distributor are the responsibility of the customer and the customer does so at their own liability.

Shipping products

The product(s) must be shipped packed in their original packing, or packing that has been approved by German Physiks.

Cartons must be securely strapped to a Euro pallet, or other suitable size pallet and then shrink wrapped. Consult German Physiks for advice.

Loudspeaker spikes, if fitted, must be removed and any transit screws securely fitted in their place. Do not over tighten them.

All jumper cables, remote controls and other accessories must be returned so that these can be tested if necessary.

If the spikes or any other accessories are being returned with loudspeakers, place them in the original packing, or a strong plastic bag, seal this with self-adhesive tape and then place it on top of one of the top packing pieces and secure it firmly with tape, so that it cannot move and damage the loudspeaker whilst in transit. Do not attach this to any part of the loudspeaker. Do not leave any loose items in the shipping cartons that might damage the drivers or cabinet. Any such damage will not be covered by the warranty.

Failure to follow these instructions may result in damage that will not be covered by the warranty.

Returning goods to the factory

In the event that it becomes necessary to return a product(s), or any part of them to the factory in Germany, we will issue a Return Authorization (RA) number. This number must be clearly marked on the outside of the packing. Returns made without a RA number will not be accepted. Any returned items must be shipped in the original packing, or packing approved by German Physiks. German Physiks will not be responsible for any damage that occurs as a result of the use of non-approved packing. Returns received in non-approved packing will have this replaced with new packing at the owner's expense. If you need new packing, please contact your German Physiks dealer, local distributor or the factory.

The customer is responsible for all costs involved in shipping the product(s) to and from German Physiks. German Physiks accepts no liability for any loss or damage to the product that may occur during shipping.

A shipping company approved by German Physiks must be used.

German Physiks reserves the right to make a charge for items returned to the factory under warranty if:

- The fault was due to mis-use
- No fault is found
- Approved packing was not used

Any components replaced by German Physiks at their factory become the property of German Physiks.

HOW TO CONTACT US

If you wish to get in touch with us, please use the contact information shown below. Please note that our office hours are from 9.30 a.m. to 5.00 p.m. Monday to Thursday, excluding public holidays and that we cannot respond to enquiries outside of these hours. We recommend that where ever possible you contact us by email, as this will allow us to give your enquiry more consideration and thus provide a more detailed reply.

Address	DDD-Manufactur GmbH Gutenbergstraße 4 D-63477 Maintal GERMANY
Telephone	+ 49 61 09 50 29 823
Fax	+ 49 61 09 50 29 826
Email	service@german-physiks.com
Web	www.german-physiks.com

EMPEROR MK II SPECIFICATIONS

Impedance	3 ohms
Frequency Response	21 - 24,000Hz
Power Handling	
Nominal	1,050W
Short term	1,550W
Amplification required with active crossover	3 power amplifiers per channel DDD section minimum power 200W/4ohms Woofers section minimum power 200W/4 ohms Sub-woofer section minimum power 250W/4ohms
Cross over frequency	180Hz & 70Hz
Maximum output level	120dB
Operating principle	3-way loudspeaker with 360° radiation using the DDD driver
Input connectors	3 sets of binding posts
Drivers	4 x carbon fibre DDD drivers 2 x 12-inch sub-woofers 4 x 6-inch woofers
Dimensions	1010mm (W) x 1960mm (H) x 810mm (D) - excl motor & DDD 39.8" (W) x 77.2" (H) x 31.9" (D) - excl motor & DDD
Weight	Approximately 425kg each Approximately 935lbs each
Warranty	5 years
As part of our process of continually improving our products, we reserve the right to change specifications without notice	

PRODUCT REGISTRATION

Title (Mr, Mrs, Dr. etc)	
Name	
Address	
Country	
Zip/Post Code	
Model	Emperor Mk II
Serial Number	
Finish	
Date of Purchase	
Where Purchased	
Address	
Country	
Zip/Post Code	