

## Mounting of CIOKS DC10, AC10 or TC10 power supply underneath a Pedaltrain pedal board

Version 1.1 of 22.04.2011

This document treats the issue of mounting a CIOKS 10 professional power supply like the DC10, AC10 or TC10 underneath a Pedaltrain pedal board. It should help you to make the needed considerations before you start drilling holes or maybe to decide which pedal board to purchase. Then it shows how to make the attachment with a step-by-step guide with pictures and notes.

### Is there enough space?

The first question is whether there is enough space to mount a CIOKS 10 power supply underneath a Pedaltrain board? Well, it depends on which model of the Pedaltrain you've got or planning to get.

PT-PRO – no problem at all, there is plenty of space and height under this big pedal board.

PT-JR, PT-1 and PT-2 (the new models with two holes in the back) – there is nearly enough space to mount a CIOKS 10 power supply underneath these models. You'll have to replace at least two of the original feet with new higher ones. Depending on the dimensions of the new feet you get, you can replace just the two in the back or all four. CIOKS Pedaltrain mounting kit available as additional accessory includes two feet with a diameter of 24.5mm and a height of 25mm. These dimensions are just fine to make enough clearance between the floor and the attached power supply.

PT-JR, PT-1 and PT-2 (older models with no holes in the back) – the back part of these profiles is approx. 10mm lower compared to the new models with holes. You'll have to rise the whole board significantly ex. by replacing all four original feet with higher ones to fit the power supply underneath. Otherwise the whole board will tip on the power supply mounted below it. Mounting in detail with these older boards is not treated in this document.

### Considerations before you start

#### The top facing up or down?

The power supply's top with LED status indicators can either face up or down when mounted. Each power supply includes a mounting pad which gives the possibility of both ways of attachment. With the face down all LED status indicators are fully visible but only when you lift the board. With the top up you'll have restricted view to the indicators if your pedal board is crowded with pedals on it. The table below shows pros and cons the different ways of mounting.

#### *Face up attachment with PT-JR, PT-1 or PT-2*

The power supply's settings switch is accessible through one of the holes in the back part of the board. The mains voltage selector switch and mains power cord are accessible from below. We recommend this way and show it in detail in this document.

#### *Face down attachment with PT-JR, PT-1 or PT-2 to the 3<sup>rd</sup> bar counting from the front*

Replacement of mains power cord and therefore access to the settings switches only possible by demounting of the power supply. We only recommend this method for musicians not making changes to

CIOKS DC10, AC10 or TC10 underneath Pedaltrain.

their set up and not travelling to countries with different mains voltages. Replacement of a broken mains power cord will also need a demounting of the power supply.

### *Face down attachment with PT-JR, PT-1 or PT-2 to the 2<sup>nd</sup> bar counting from the front*

Replacing all 4 feet with taller ones makes enough space to mount the power supply to the 2<sup>nd</sup> bar counting from the front. In this case everything is easy accessible and all the LED indicators are fully visible from below. This way is also recommended.

### *Face down attachment with PT-PRO to the 4<sup>th</sup> bar counting from the front*

The power supply's settings switch and mains voltage selector switch are easily accessible through the space between the two bars forming the back of the pedal board. Replacement of the mains power cord is also made from the back. All the LED indicators are fully visible from below.

### *Face down attachment with PT-PRO to the 3<sup>rd</sup> bar counting from the front*

Everything is easily accessible and all the LED indicators are fully visible from below.

### *Face up attachment with PT-PRO*

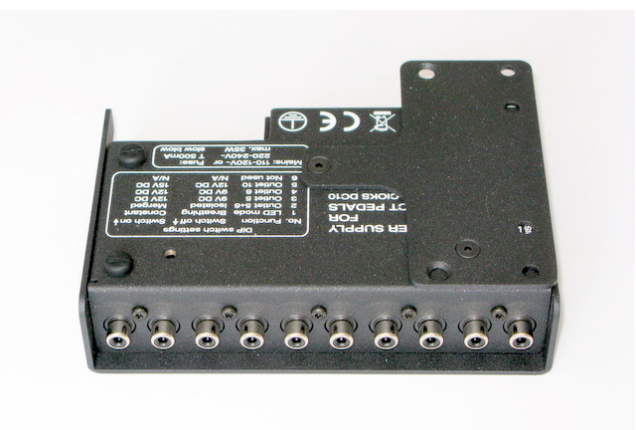
Not treated here.

### **Flex cables length**

When planning where to place the power supply under your Pedaltrain board in terms left, middle, right you must take into consideration the lengths of the Flex cables, both those which were included with your unit and those you can buy additionally. Make sure they all can reach from the right outlet of the power supply to the input socket of the particular pedal. This consideration is crucial with the bigger models PT-2 and especially the PT-PRO. All Flex cable types are available in 50cm length and the most standard type 1 is also obtainable in 80cm length.

### **Step-by-step guide with a PT-2**

The first thing you should do is to fasten the new taller feet to the back bar of the pedal board and attach the mounting pad to the power supply.

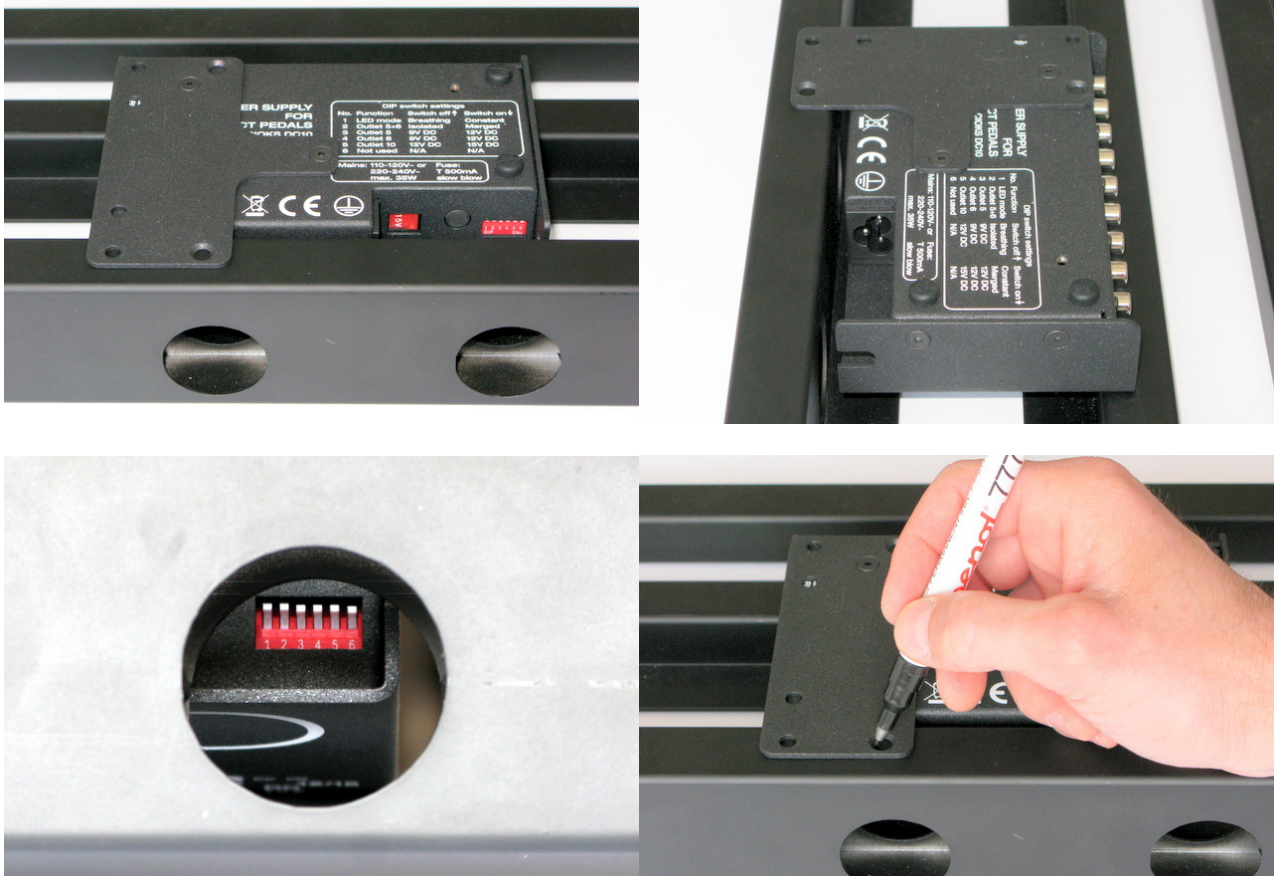


If you've got our PT mounting kit both the feet and appropriate rivets are included. If you drill out the original rivets you'll find the remaining holes being approx.  $\varnothing 6\text{mm}$ . The supplied rivets in the kit need a hole diameter of  $\varnothing 5\text{mm}$  and therefore we recommend you just leave the original feet and drill new  $\varnothing 5\text{mm}$  holes and attach the new taller feet just next to the original ones as shown on the picture.

CIOKS DC10, AC10 or TC10 underneath Pedaltrain.

The mounting pad is included with each power supply with the needed screws. For the middle hole use the shorter 6mm screw and the longer 8mm one for the side hole. The hex key is also included in the small zip-bag.

Place the power supply in a way so that the settings switch is visible through one of the big holes in the back part of the pedal board. The space left between the back bar of the board and the unit should be around 6mm to make it possible to slip the mains power cord through it. Now mark the positions of the two holes as indicated on the picture below and drill with a  $\varnothing 4\text{mm}$  drill.



Using two of the included self tapping screws with spring washers fasten the mounting pad to the back part of the board. Do not use too much force since the pedal board bars are made of rather thin aluminium. Be careful not to damage the thread cut by the screw.

\*\*\* Please read the update on the last page of this document \*\*\*

Now place two of the plain washers in a position between outlets 1 and 2 and just touching the edge of the power supply and the other in the same way between outlets 9 and 10. Make the marks and drill the other two  $\varnothing 4\text{mm}$  holes. Using a sandwich of a large  $\varnothing 20\text{mm}$  washer on top then a  $\varnothing 10\text{mm}$  spring washer and a  $\varnothing 10\text{mm}$  plain washer at the bottom fasten the top edge of the power supply to the pedal board's bar. Again be gentle with the screwdriver.

CIOKS DC10, AC10 or TC10 underneath Pedaltrain.



Now you're done and the final result should look like shown on the next 4 pictures. From the top if your pedal board isn't totally overcrowded with pedals you should be able to see both CIOKS logo and the name of the power supply. In a slightly bigger angle from behind the LED status indicators are also visible. The lower two pictures show the side view also with the Flex cables and mains power cord attached.

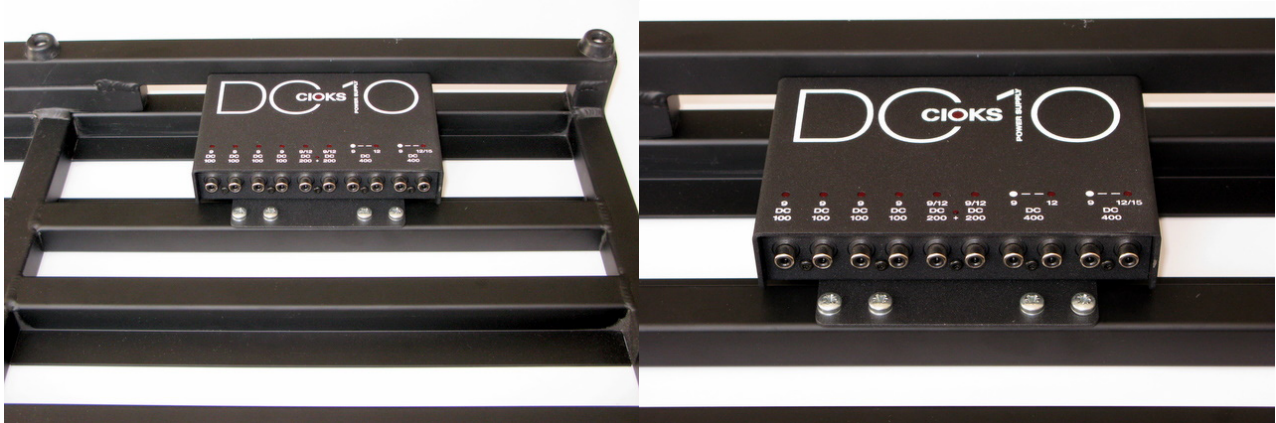


If you find the combination of thin aluminium and self tapping screws too weak we'd recommend replacing the back two screws with either rivets or machine screws with nuts. The nuts can be attached through the large hole from the back of the pedal board.

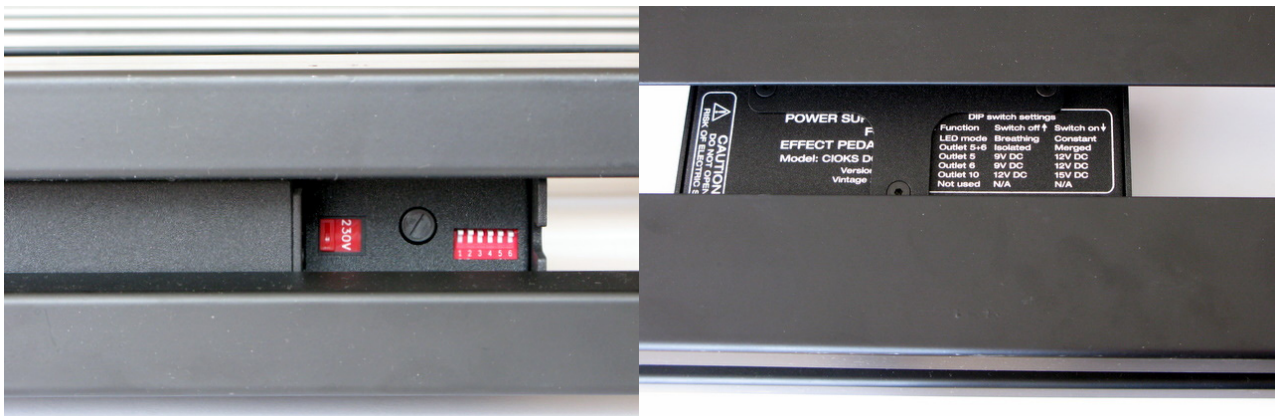
CIOKS DC10, AC10 or TC10 underneath Pedaltrain.

## Attachment to a PT-PRO

On the pictures below you see CIOKS DC10 power supply mounted underneath a PT-PRO pedal board. The attachment is made using the included mounting pad and 4 self tapping screws with spring washers which also are included with each PRO power supply.



The mounting pad is fastened to the 4<sup>th</sup> bar of the pedal board counting from the front. You can choose to mount the power supply to the 3<sup>rd</sup> bar if you rather want to access to all the setting switches and the mains power cord from below instead of doing this through the space between the two back bars of the pedal board.



PT-PRO which is the biggest Pedaltrain model allows mounting of more than one CIOKS 10 power supply underneath. There's plenty of space below this big pedal board and there are no restrictions regarding positioning of the units. It's simply up to you where you find it most appropriate.

## Final remarks

Mounting of any of the three CIOKS 10 power supplies being the DC10, AC10 and TC10 is the same since the outer mechanics are equal. If you still have some questions after have read this guide please just send an e-mail to [support@cioks.com](mailto:support@cioks.com).

Once the new DC8 and AC8 power supplies are released for sale we'll make a similar guide on how to attach these products to Pedaltrain pedal boards.

CIOKS DC10, AC10 or TC10 underneath Pedaltrain.

## Update per 22.04.2011

On page 3 we have:

*Now place two of the plain washers in a position between outlets 1 and 2 and just touching the edge of the power supply and the other in the same way between outlets 9 and 10. Make the marks and drill the other two  $\varnothing 4$ mm holes. Using a sandwich of a large  $\varnothing 20$ mm washer on top then a  $\varnothing 10$ mm spring washer and a  $\varnothing 10$ mm plain washer at the bottom fasten the top edge of the power supply to the pedal board's bar.*

We suggest following change:

After having done some drop testing we recommend to drill the holes for the two screws with the washer sandwich just below outlet 1 and just below outlet 10 and not as described in the first version between outlets 1 and 2 and between 9 and 10. This configuration results in a better fixture where the top part of the enclosure is locked in place by the two large washers.

