Short manual converting Chord Dave DAC with the Farad modification module

Take care you are working on a clean scratch free surface and take care there will be no ESD discharges. Always first touch the housing, before anything else, preferable one hand touches (and keeps touching) the housing and the other does the work, this way there never can be any discharge on the device itself. Modifying the Chord Dave is completely at your own risk, we cannot take any responsibility for any damage to the DAC in any way.

1) Open the Dave housing. Remove the 6 red dot, 8 blue dot and yellow dot screws with Allen Key / imbus 2.5mm, according figure 1

2) Remove the upper part of the Dave carefully, and place it behind the DAV on the table, see figure 2.
3) Unplug the band cable (blue dot) from the upper part and put the upper part away in a save place.
4) Unscrew the 4 red dot Torx 10 screws on the original power supply module
5) Remove the Molex power connector (yellow dot) from the Dave mainboard
6) Remove the original supply with cables and AC inlet carefully and gently from the Dave.

7) Remove the original torx bolts of the Dave supply including the black plastic bases
8) Place these 4 bolts back on the Farad Voltage supervision PCB the same way they were mounted on the original supply, see figure 3

9) Mount the Farad voltage supervisor into the Dave and fasten the 4 red dot Torx screws (figure 4). Take care not to put and pressure or strain on the silver Farad wires, they should not bent at the PCB, so wires are not damaged or compromised in quality.
10) Slide in the backside module with cable glands in the slot of the original AC inlet. Tighten the gland nuts so the cables cannot be moved from their positions
11) Connect the Molex DC cable on the Dave mainboard, yellow dot
12) Check all solder connections on the power monitor if all cables are still attached and no cables are loose or damaged

13) Put the upper part of the Dave behind the main part again and reconnect the band cable connector (blue dot)
14) Screw the upper part back in the reversed order as the screws were removed in step 1

15) Connect the 3 Farad power supplies to the DC cables. Take care to mount the right cable on the right supply, so +5V on the +5v supply, +15V on the +15V supply and -15V on the -15V supply.
16) Double check this.

17) Connect the Farad supplies on the main AC power. It does not matter in which order. The voltage supervisor will only activate the voltages on the Dave when all voltages are ready and within their specific safe voltage range.
18) The Farad supply led will flash red and blue a few times and then start fading in and out red color (charging of the supercaps). When the supply is ready and all voltages internally are correct, the led will turn blue. Please note the -15V has a significantly longer startup time due to the different current protection circuit, this is normal.
19) After all supplies are ready (all leds are blue), the voltage supervisor will put the power through to the Dave and the Dave will start up, like before
20) Now the Dave is ready for music, enjoy!

When you want to make changes to the configuration, or shut the Dave down, we recommend resetting the 5V supply with the reset button (found under the DC output). This will trigger the Dave module to shut down all three voltage inside, the Dave will shut down nicely and then you can unplug the 5V supply while the led still is flashing or fading red. After this unplug the -15V first and last the +15V. You also can leave the +15V and -15V supplies on, and unplug the 5V supply only. The Dave module will only pass through the +15 and -15V when the 5V also is available. The +15V and -15V Super3 when they are standby will take about 1.5W each

Figure 1 : Dave housing

Figure 2: Opening up the Dave

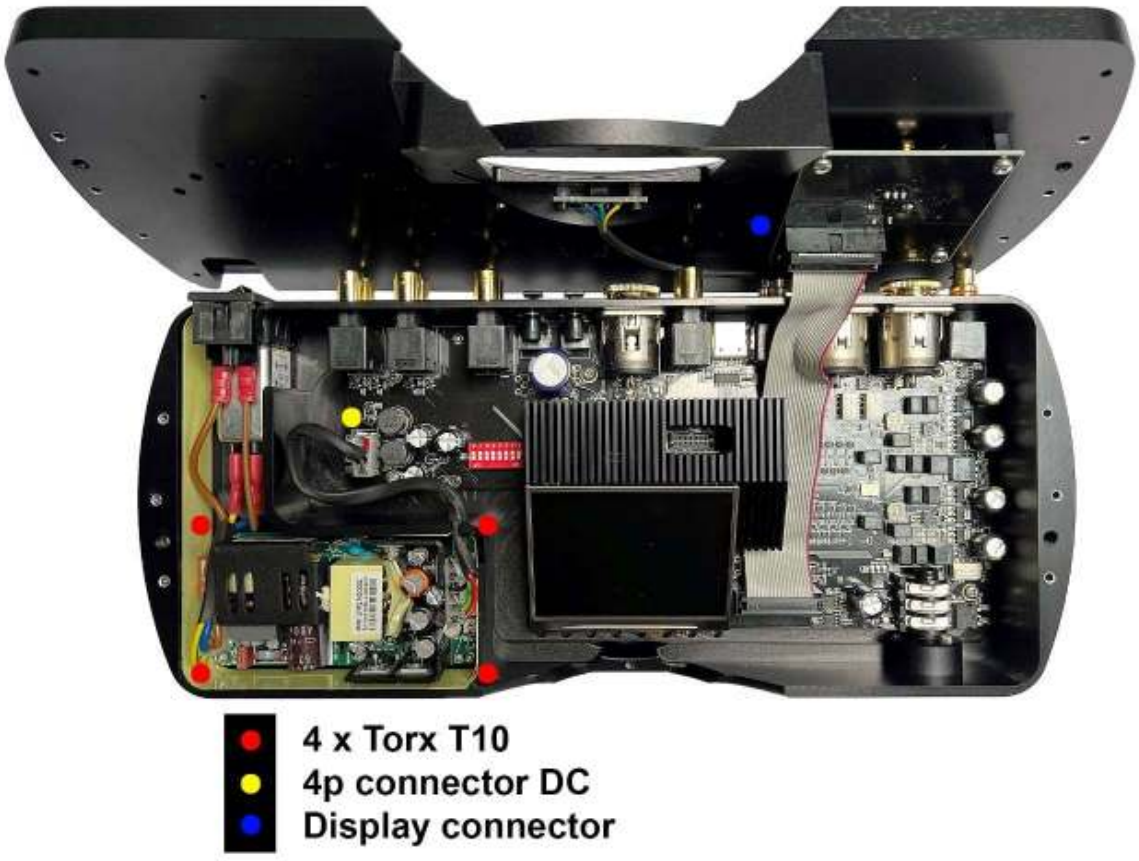

Figure 3: Mounting plastic supply bases

Figure 4: Installing the Farad voltage supervisor and cables

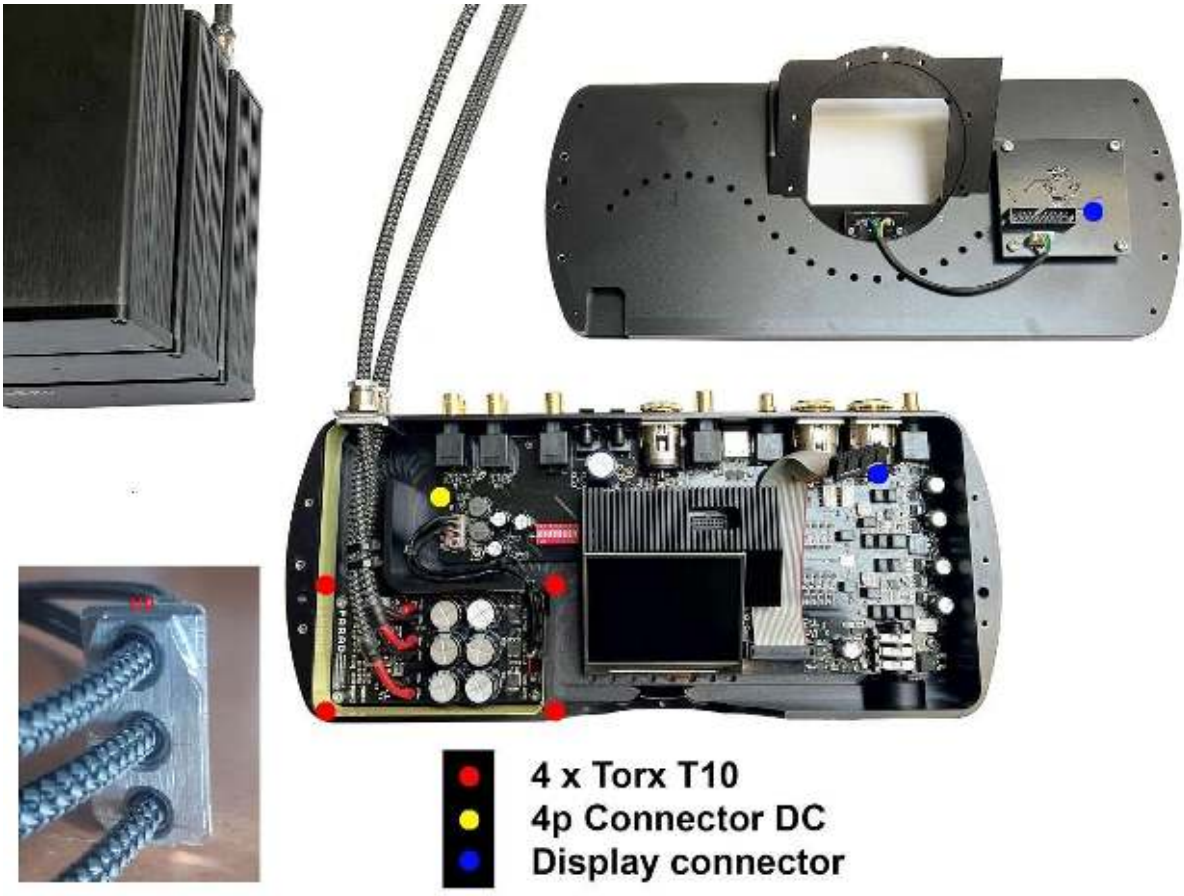

Figure 5: Farad / Dave setup

FARAD

power supplies

www.faradpowersupplies.com