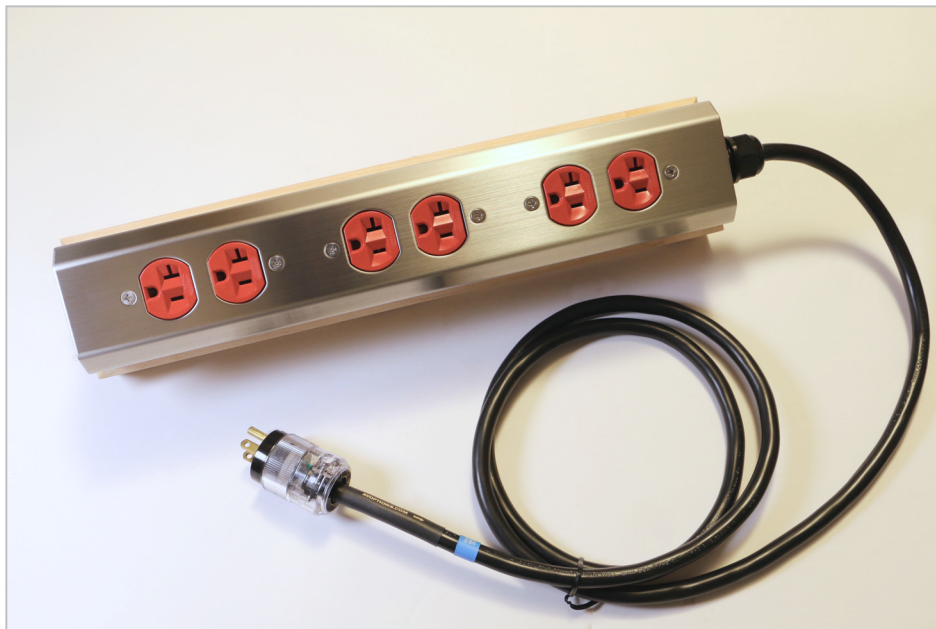




AV Options ULTRA-HBL Deep-Cryo 6 outlet 120V AC Power Strip Owners Manual

Congratulations on your purchase of the ULTRA-HBL Deep-Cryo Power Strip.

This product was developed by AV Options using a variety of Naim & Rega audio systems as a listening reference. However the benefits of this product and our other AC Products are not limited to the needs of Naim and Rega equipment alone. We've also tested it with brands such as Linn, Spectral, Project, Music Hall, PrimaLuna, Cambridge, Quad, McIntosh and many others. It is assembled and performance verified under strictly defined conditions at our own facility. We strongly recommend the ULTRA-HBL Deep-Cryo Power Strip (and all of our AC Power products) for use with any quality Audio or Video-Home Theater system.



FEATURES

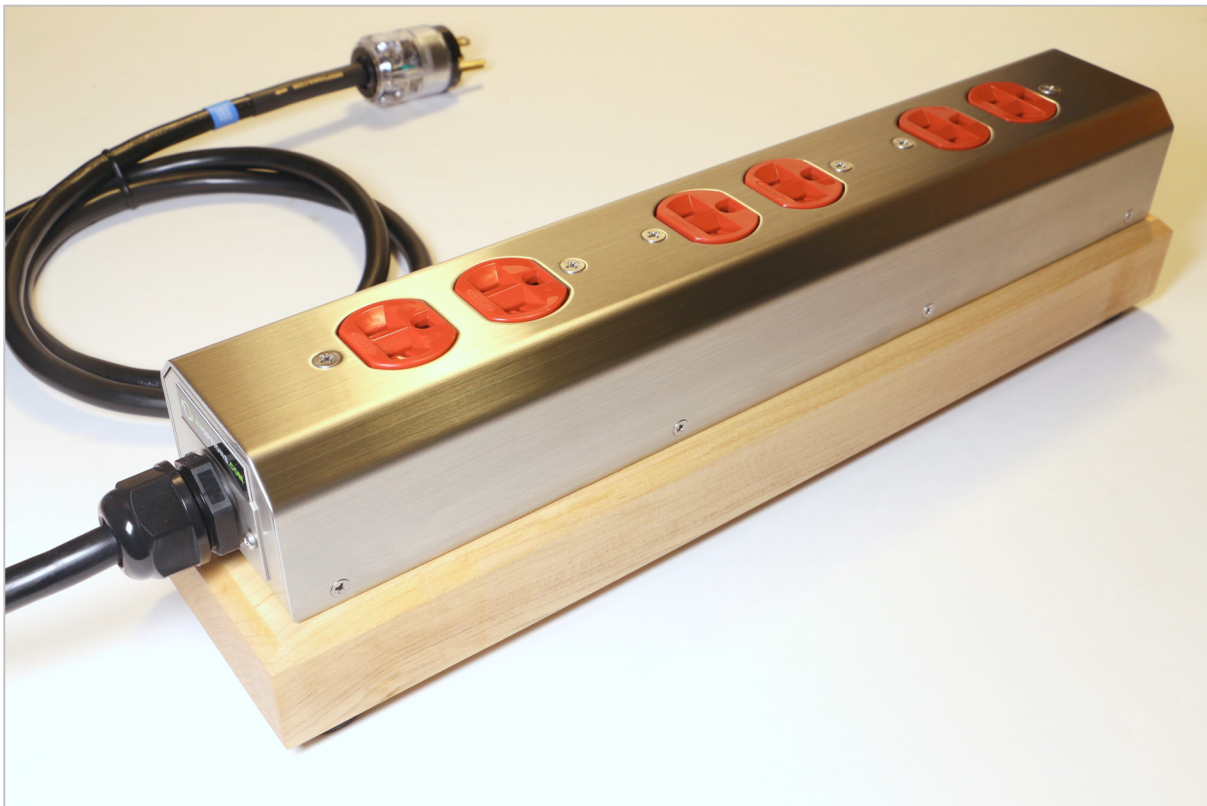
- o 304 Stainless Steel non-magnetic chassis
- o Three Hubbell Extra Heavy Duty Industrial Grade series (HBL5362R) duplex outlets with Deep-Cryo treatment (120V AC - 6 outlets total)
- o No switches, filtering, cheap MOVs, etc: Wired for best possible current flow!
- o Hardwired AV Options TibiaPlus12 Deep-Cryo AC cable (6 foot - 12 gauge)
- o All internal wiring with the same 12 gauge wires (Live-Neutral-Ground) used in the TibiaPlus12 AC cable, with Deep-Cryo treatment
- o High quality solid Maple plinth provides ergonomic stability and isolation from vibration
- o Fully tested and quality assured - 5 year warranty. Assembled in our US workshop by Chris West



SETTING UP ADVICE

Because of the advantage of being able to control the order in which the components are plugged in, using our ULTRA-HBL strip is far superior to plugging components directly into a quad or double-quad receptacle.

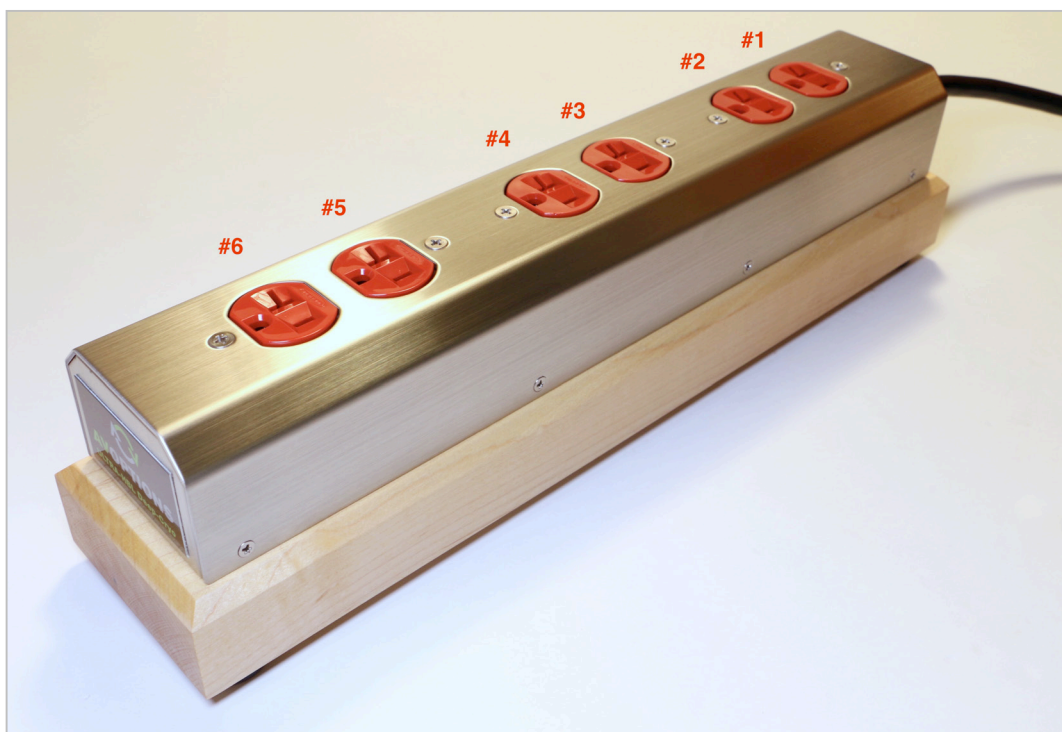
The order in which the components are plugged into the strip is critical. If you plug the power amplifier in closest to the end where the strips power cord enters (Outlet #1), and work your way back to the source component, you will get a much better sound.





Example 1: A Naim system using TibiaPlus12 AC cables with AVO Deep-Cryo

Outlet #1: NAP 250-DR Power Amp
Outlet #2: XPS-DR Power supply (for NAC 272 preamp)
Outlet #3: CDX2 CD player



Example 2: Non-Naim audio system using TibiaPlus or TibiaPlus12 AC cables with AVO Deep-Cryo

Outlet #1: Power Amplifier
Outlet #2: Pre-amplifier
Outlet #3: Phono Preamp
Outlet #4: Streaming Player
Outlet #5: CD Player
Outlet #6: Turntable



NOTES

Burn in time: While the ULTRA-HBL will perform well out of the box it will benefit from the process of burning in (as will all the AC products and cables we sell). It takes a few weeks powered up and playing music to get the best possible results.

About Deep Cryo: <http://avoptions.com/about/deep-cryo>

Advice for Tibia C7 AC cord: This cord has a non-polarized C7 plug to suit devices with “figure-8” shaped non-polarized “C8” power input sockets. Hence there are two positions the plug will fit into the socket. The device being powered will work fine either way. However, with audio devices the sound will be better one way than the other. So we recommend you try the plug in both positions to see which sounds best. Mark the plug position so that the device can be easily re-connected the best way!

Beware of power conditioners and built in power filters: For a number of reasons power conditioners are well known for doing more harm than good in a Naim system! Minimal voltage and current restriction or modification is the rule of thumb. This is also why Naim components with linear power supplies purposefully *don't* have RLC filter networks in line with their 120V power inputs like many Hi-Fi components do. It's important to note that when plugged into the same power strip, certain non-Naim items will introduce their own input filter across the 120V power rails, which has implications for the Naim gear. It may be advisable to put non-Naim equipment on a separate strip.

Audio components with hard drives & PC logic boards Most of these devices employ Switch Mode Power Supplies by necessity, which are not as sensitive as linear power supplies are to power arrangements. They employ some inductive filtering at the input to restrict noise emission on to the 120V power circuits. However, ideally we recommend putting on a different power strip than the rest of your audio system.

For any computer based device like these we would also advise use of a good quality True RMS Voltage Regulation & Uninterruptible 120V Power Supply (UPS) from a vendor like Furman. At a minimum their P-1800 AR provides a true voltage regulated power source and used with their F-1000 UPS you get the best of both worlds. This will help prevent software corruptions that lead to unreliable or non-functional operation, and also premature hard drive failures.



AC POWER - TIPS FOR GETTING BEST SYSTEM PERFORMANCE

- Keep power wires separated from signal wires
- Do not bunch your power wires together, but keep them flowing as gracefully as possible avoiding sharp corners and bends.
- Upgrade to AV Options Deep-Cryo TibiaPlus and TibiaPlus12 AC cables.
- Use our high quality Deep-Cryo treated Hubbell 120V wall duplex receptacle (15A or 20A available). A very HIGHLY recommended upgrade over stock wall outlets!
- Also consult with a local licensed electrician to consider adding a dedicated AC circuit for your audio system. The combination of a dedicated AC circuit, and our Deep-Cryo treated AC products (Hubbell duplex wall outlet, ULTRA-HBL power strip & TibiaPlus/TibiaPlus12 AC cables) will provide your audio system with a solid power foundation with low noise and excellent current delivery. For Naim systems in particular this low impedance unrestrictive 120V sourcing we have been refining for decades is very important for getting the very best performance from your system.





SPECIFICATIONS

AV Options ULTRA-HBL Deep-Cryo 6 outlet 120V AC Power Strip

Chassis: Stainless Steel Type 304 (non-magnetic)

Plinth: Hand finished solid Maple

3 Duplex AC outlets – type: Hubbell HBL5362R - NEMA 5-20R

Rating: 60Hz, 15A, 120V AC

Attached cord type: AV Options TibiaPlus12 - 12/3 SJT

Cord Length: 6ft

AC Plug type fitted: Wattgate 5266i

Deep-Cryo Treated parts: Hubbell outlets, TibiaPlus12 AC cable, Wattgate Plug and all internal wires.

Feet: 4 Acoustifeet (Silicone)

Overall product length, width, height: 16" x 3-1/2" x 4"

Weight: 7 lbs

WARRANTY

For the original owner with proof of purchase, AV Options LLC will repair or replace, at our discretion, any ULTRA-HBL Deep-Cryo 6 outlet 120VAC Power Strip that proves to be defective up to five (5) years from the date of purchase