



Art Dudley of **Stereophile** reviewed our **AV Options Ultimate NAIT 2** in his Listening column #161 in the May 2016 issue:



*(Click cover image to read full review)*

*“AD loved listening to the AVO-upgraded Nait 2, praising its "profoundly excellent sense of momentum and timing" and offering special praise for its great-sounding MM phono section. Bonus points for being able not only to drive Quad ESLs but to make them sing.”*



## Naim Audio NAIT2 integrated amp (Chrome Bumper & Olive versions)

### AV Options Rebuild Service (incl. MM phono stage)

#### Parts List

4	Rubber foot w/screw
1	Volume Potentiometer (50K $\Omega$ )
2	4mm PCB mount socket, red
2	4mm PCB mount socket, black
1	T2A Fuse
4	R22 Wirewound Resistor
2	12R Wirewound Resistor
14	10 $\mu$ F 35V tantalum bead capacitor
2	47 $\mu$ F tantalum bead capacitor
2	10,000 $\mu$ F /40V reservoir capacitors
1	3300 $\mu$ F /25V reservoir capacitor
4	47 $\mu$ F / 35V Radial Capacitor
7	Capacitor, Axial, Bipolar, CO31, 40V, 47uF
2	$\mu$ 22 polypropylene cap for Zobel network
2	1K $\Omega$ Trim Pot
2	Bias circuit transistor - ZTX384C
4	BC239C Input transistor (matched pair)
2	Driver transistor- PNP Med Power- ZTX652
2	Driver transistor- NPN Med Power- ZTX752
4	BD743A NPN output transistor

- ALL 64 components are sourced from the Naim factory. Those highlighted in green are a higher grade than originally fitted.
- We do a thorough cosmetic cleaning and restoration as needed
- Completed rebuild is subjected to rigorous testing plus all necessary alignments.
- AV Options Certificate included.
- **Standard Rebuild Service for NAIT2: \$1595**
- **With Neutrik PowerCon AC socket upgrade & TibiaPlus12-PowerCon Deep-Cryo AC Cord: \$1995**
- **Free NACA5 speaker cables inspection**
- **Includes One Year Parts & Labor Service Warranty \***

*\*Normal use: We reserve the right to void our guarantee if we find modifications, or if the equipment has been used outside the limitations specified by Naim or AV Options. Naim NACA5 or AV Options TW-56 speaker wires with a minimum length of 3.5m (11 ft) must be used or our warranty is v*

## **AV Options Ultimate Upgrade package option for NAIT2 (requires Standard Rebuild Service)**

- AVO Deep-Cryo treatment for the transformer and it's wiring loom. More about our Deep-Cryo treatment here <https://www.avoptions.com/about/deep-cryo>
- Selected parts upgraded to Texas Components TX2575 naked Z-Foil resistors that are AVO Deep-Cryo treated:
  - 47kΩ input load resistors for MM phono stage input (2)
  - All gain resistors for amp and preamp (8)More about Z-Foils here: <https://www.avoptions.com/about/z-foil-resistors>
- Premium Nichicon Muse acoustic series caps for Preamp (4)
- WBT Nextgen RCA chassis-mounted sockets for the phono input (2)  
Connected to board with purest quality UP-OCC wire. All AVO Deep-Cryo treated.
- Neutrik PowerCon AC chassis mounted socket with AVO Deep-Cryo
- Internal AC power loom upgraded with AVO Deep-Cryo treated 14-Gauge wire
- TibiaPlus12-PowerCon AC cord with AVO Deep-Cryo
- Alps "Blue Beauty" front panel mounted volume pot  
Connected to board with purest quality AVO Deep-Cryo treated UP-OCC wire
- Additional burn-in, bench testing & listening test time (5 days)
- Brand new Naim Factory carton-packing set is an optional upgrade at \$175 if no original carton, or if the original carton is in bad condition

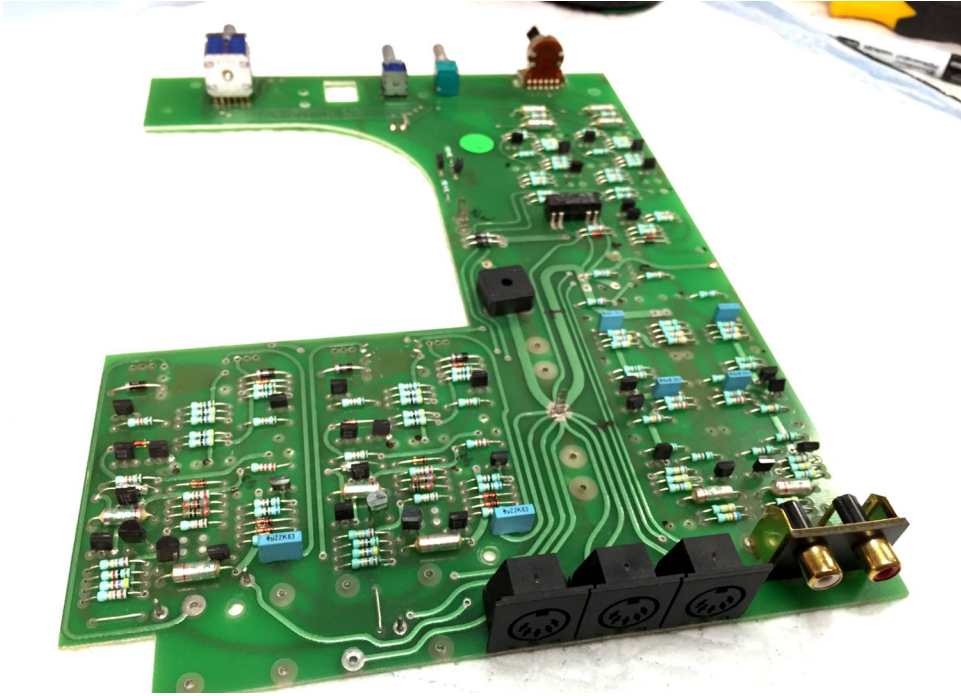
### **AV Options Ultimate Upgrade for NAIT2 incl. standard rebuild service: \$3495**

- **includes Three Year Parts & Labor Service Warranty \***

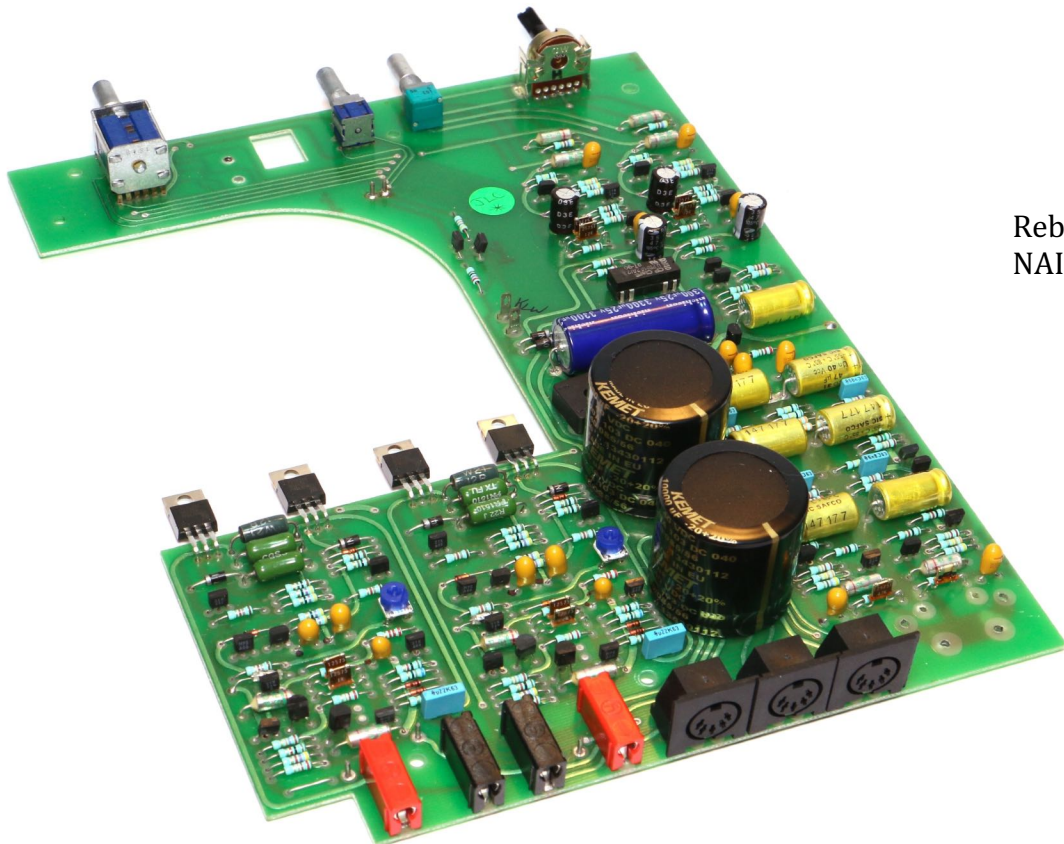
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### **Recommended System Upgrades:**

- AV Options SuperWiremold Power Strip + Hubbell wall outlet with AVO Deep-Cryo
- AV Options Twisted-56 or Naim NACA5 speaker cables with AVO Deep-Cryo



NAIT2 board  
with parts  
removed

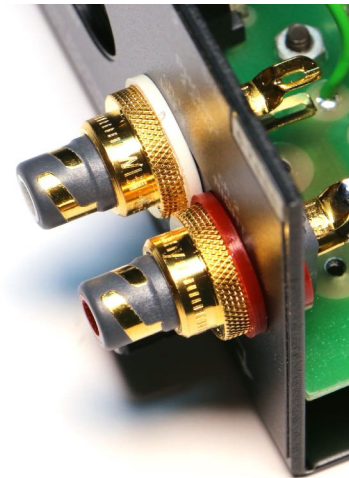


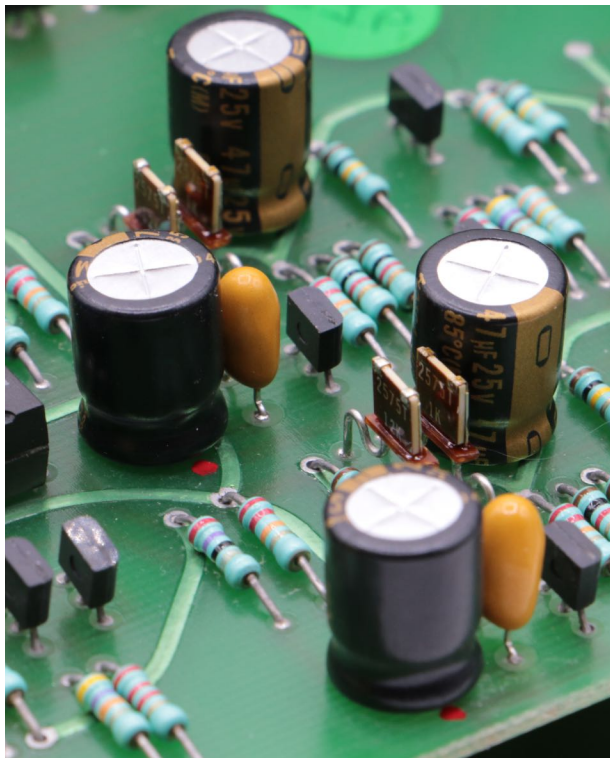
Rebuilt  
NAIT2 board



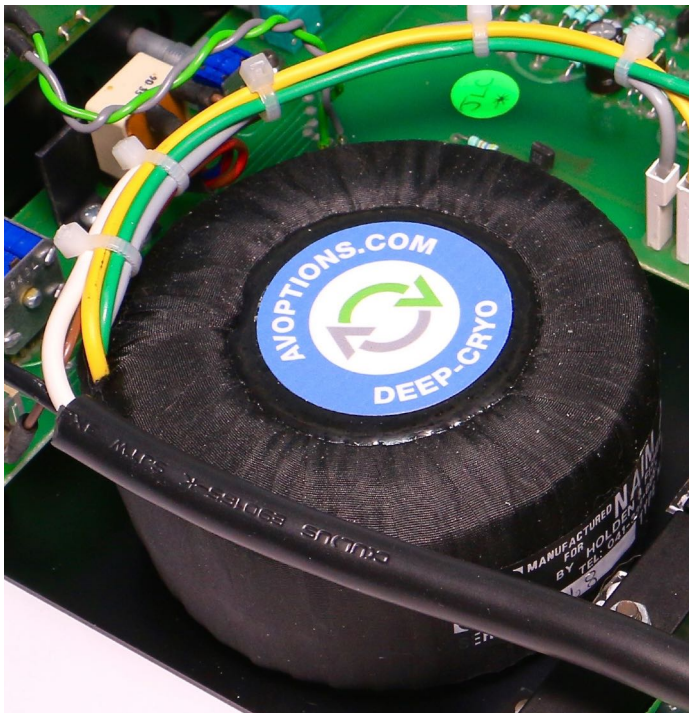
Parts ready for reassembly in an **AVO Ultimate Upgrade NAIT2** ... including rebuilt circuit board, AVO Deep-Cryo treated transformer, PowerCon connector and WBT RCA sockets. The photos following show where the upgrades are fitted, including the Alps Blue Beauty volume pot and Muse caps that have been added to the latest version of our Ultimate upgrade.

WBT Next Gen RCA  
chassis-mounted sockets  
for phono input

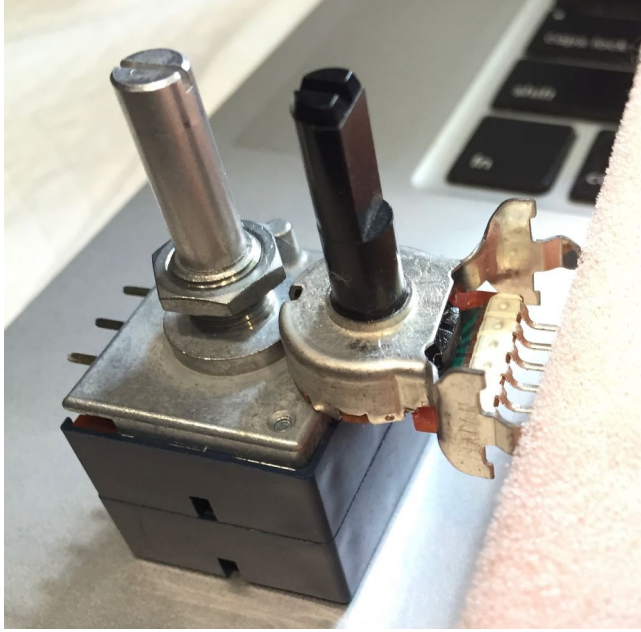




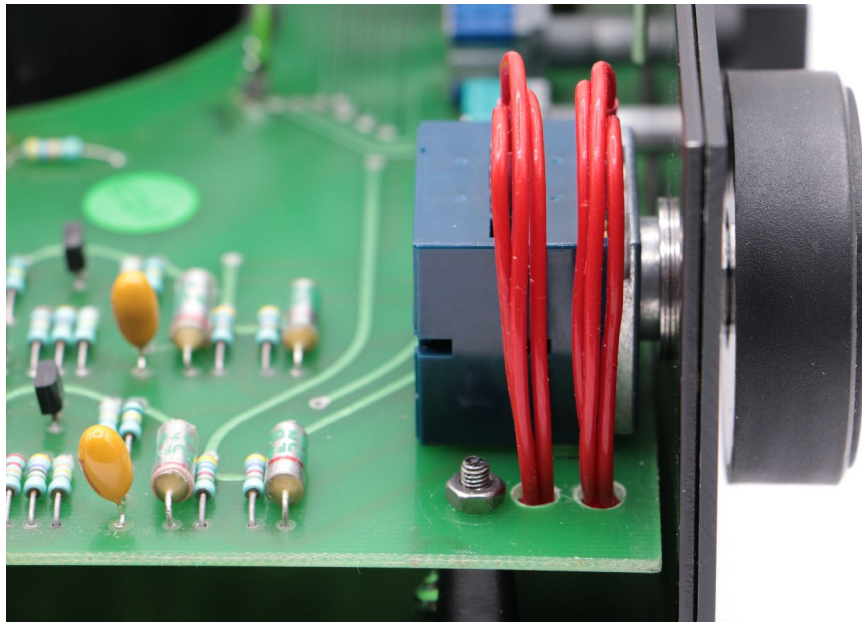
Close-up of Nichicon Muse acoustic series caps (4) and TX2575 Z-Foil resistors (4 out of the 10 fitted)



NAIT2 Holden & Fisher Transformer, with AVO Deep-Cryo treatment



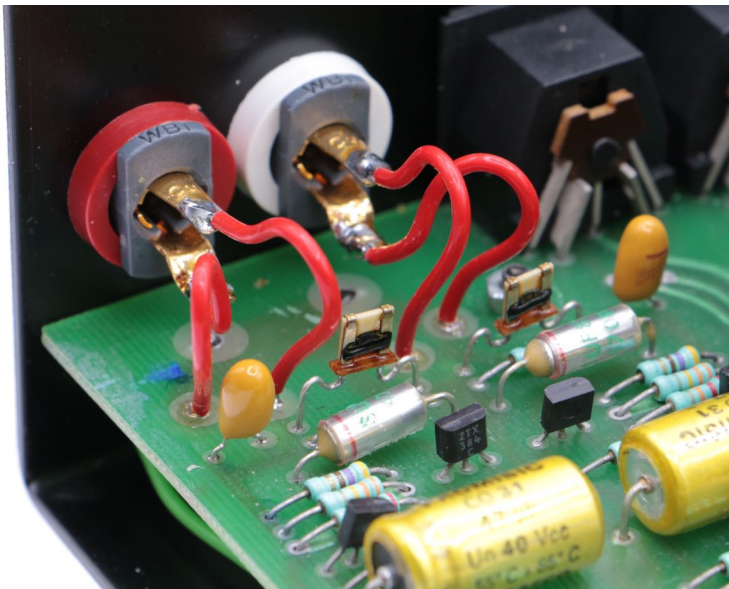
The very basic original NAIT2 volume pot (right) is upgraded to a far superior Alps “Blue Beauty” volume pot (left)



The Alps Blue Beauty pot is precisely mounted to the front panel using shims, and is correctly aligned so that the Naim volume knob fits in it's original position.



Purest quality AVO Deep-Cryo treated UP-OCC wire is used to connect the pot to the circuit board (above), and also to connect the WBT RCA jacks at the Phono Input (below).







AVO Ultimate Upgraded NAIT2 – Completed Chassis



Rear panel of AVO Ultimate upgraded Olive NAIT2



AVO TibiaPlus12 PowerCon Deep-Cryo AC power cord  
(included with AVO Ultimate NAIT2 upgrade)



Front panel of Olive NAIM NAIT2 after restoration



Front panel of Chrome Bumper NAIT2 after restoration

## NAIT2 Specifications

### Input sensitivities:

Phono: (RCA jacks)	2.5mV	47 K ohms
Aux, Tuner, and Tape (DIN)	75 mV	47 K ohms
Tape output level and impedance	75mV	1K ohm (source impedance)

**Output power:** 18 Watts per channel with both outputs loaded (into 8 ohms)

Note: low continuous power output is balanced by a very large peak current capacity, so there are no restrictions in the size or type of speakers that may be used (within reason with regards volume level)

### Speaker wires must be compatible:

For the amplifier to operate safely and within its limits for stability, the correct type and impedance speaker wires must be used with a minimum length of 3.5m

For our warranty to be valid a minimum of 3.5m Naim NACA5 or AV Options Twisted-56 speaker wire must be used. If you already have NACA5 speaker wires, send them in for a free inspection and advice about the terminations we can do that will be best for your speakers. AVO Deep-Cryo treatment is also strongly recommended.

### Controls:

Select switch (for input selection)

AC Power switch

Normal /Mute / Monitor Switch

Balance control

Volume control