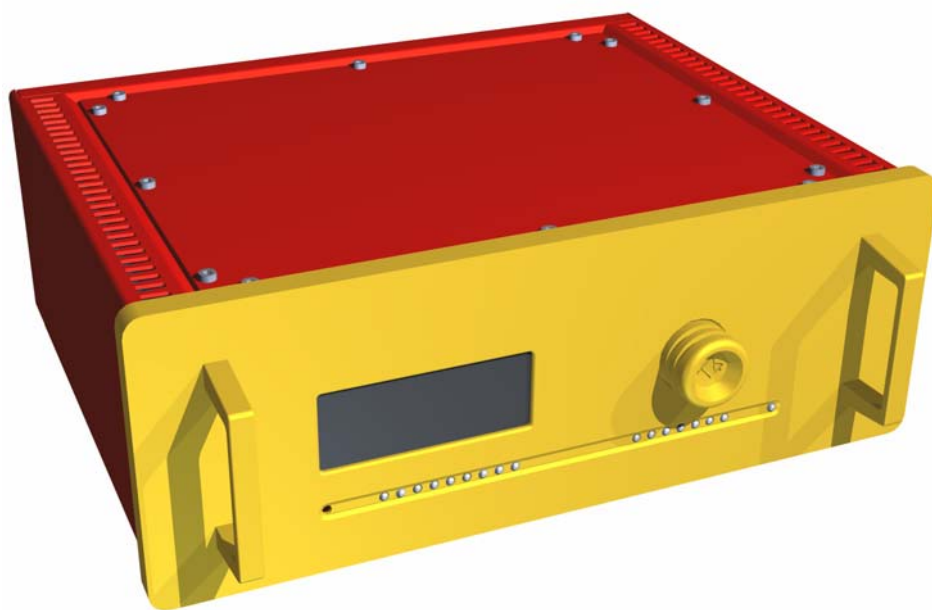
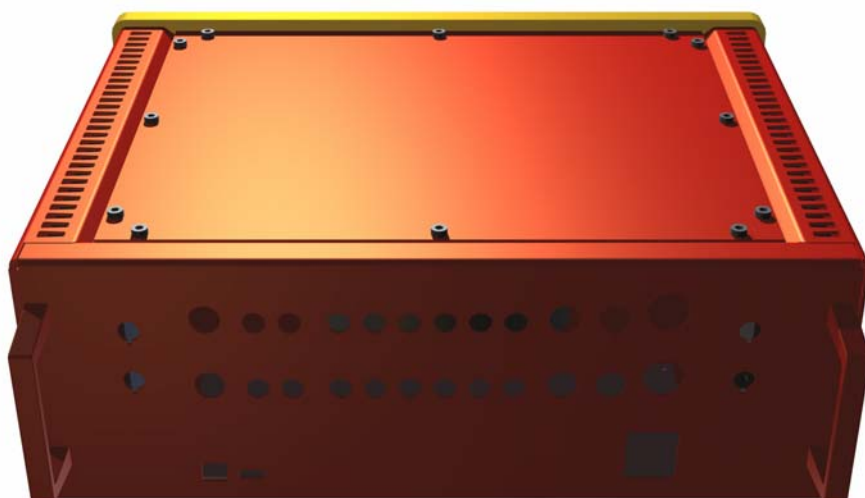


# darTzeel

**CTH-8550 – NEW integrated amplifier**



**No compromise « all in one » musical machine**



After having successfully introduced the award winning NHB series, darTZeel is now very proud to announce the new CTH-8550 full featured integrated amplifier. This new product combines in one casing most of the good things musical lovers found in our flagship series.

The CTH-8550 features a newly designed power output stage - one per channel - which includes on board regulated power supplies for a very compact global layout. This new circuit brings outstanding transparency, speed, yet delicacy, giving a maximum listening pleasure.

With no less than nine inputs in total, the preamplifier section is dual-mono - one circuit per channel - with a minimal footprint which allows for very short signal paths.

No doubt that this newcomer is a true darTZeel machine.

Key features include:

- A newly designed fluorescent display for user-friendly operation.
- 7 standard inputs blended from a mix of Zeel, RCA and XLR sockets.
- 2 additional, optional Phono inputs (1 MC, 1 MM), easy to implement at any time.
- Full HT bypass function for all inputs.
- 1 darT preamp output for driving an external NHB-108 power amplifier.
- 1 RCA REC output, with independent record source selection.
- More than enough power & refinement for most demanding applications and difficult-to-drive speakers.
- A fully featured remote control, 100% darTZeel designed.
- A new kind of approach in mechanical housing design thanks to state of the art Laser cutting & welding technologies, ensuring unprecedented high rigidity and easier assembly procedures.

## Detailed Insights:

### Output power stage

darTZeel designed a new circuit allowing cool running behaviour for less power consumption and more environmental friendly operation.

Signal path has been carefully kept as simple as possible. The use of two paralleled output transistor pairs was chosen for hassle-free setup, whatever the kind of speaker used.

The additional power gain provided by these two output pairs allowed us to reduce the number of silicon junctions in driver stages, thus keeping all speed and transparency we were looking for.

There is now only three junctions in the power section, with an output power capability of 130 watts per channel under 8 Ohms.

### Preamplification stage

All regulated power supplies involved in the analog section are located on the audio circuits, ensuring best possible ripple rejection and low noise floor. Optional phono sections are implemented on same circuits for very short signal paths from the input RCA connectors.

Source selection and loudness level are controlled through very high performance, dedicated circuits.

All DC drift is now entirely compensated by digital means, allowing the compensation to be completely kept outside of the signal path, a world premiere in audio!

### Power supply transformer

Besides its unique, huge toroidal power transformer, the darTZeel CTH-8550 is a full dual-mono design. We chose to implement only one transformer in order to minimize magnetic fields induced to low level signals, yet over sizing it enough to deliver all power needed under any demanding circumstance.

### Pleasure Control again

The new Pleasure Control optical encoder, custom-made for darTZeel by Elma, offers extreme feelings and high precision. The volume control electronics involves high quality semiconductor devices for best reproduction accuracy.

### New display control panel

Extremely convenient and user friendly, the new display will allow you to fully operate your CTH-8550 in the most convenient way. Each parameter can be easily adjusted, such as the source level, the source name, the source balance, the record source, the illumination display, and so on...

### Security and customization

Each CTH-8550 is delivered with its own dedicated USB key which contains all customer information:

- Owner's name
- Serial number
- Firmware version
- Voltage range settings

The provided USB key will also allow for eventually updating either CTH-8550's firmware or software in the future.

### Casing

Entirely designed with a dedicated 3D-CAD software, the new cabinet is made from high quality, 2mm thick, Swedish Grade Steel.

Starting with a plain steel sheet, it is cut with a high precision Laser Beam, then all parts are laser-welded together, even hand welded in critical areas, then hand polished and finished before being painted in an industrial oven. The result is just breathtaking.

Aluminium heat sinks are sandwiched inside the steel structure, allowing for optimal thermal dissipation and extremely high global rigidity.

The front plate is CNC-machined from a plain, 15 mm thick, aluminium sheet, giving the darTZeel CTH-8550 its incomparable finishing.

### Colours

The darTZeel CTH-8550 is available in darTZeel standard colour.

On special request, it can also be delivered in full black, at no additional cost.

### Availability

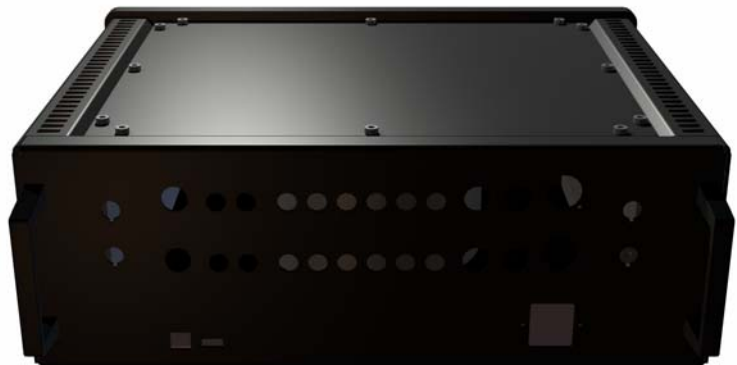
First units are scheduled to be shipped in the fall of 2008.

### Pricing

Prices will be announced during summer 2008.



**Available in full black on special request**



Your Authorized Dealer :



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