



## ***VTV AMPLIFIER***

### ***NCore Series***

The VTV Amplifier NCore Series amplifiers are based on the Hypex Ncore Series amplifier modules and highly efficient Hypex SMPS Power supplies. They are extremely revealing, reproducing in a completely neutral way all the nuances in recordings. They are also extremely efficient providing prodigious amounts of power output while dissipating minimal amounts of heat.

### **Input Buffer**

There are two buffers available for the Ncore series. The first is the factory Hypex buffer. This comes standard with 14db of gain and offers the excellent factory Hypex “house sound.” The VTV Custom Input Buffer offers flexibility in that numerous discrete OPAMP modules are supported. It also provides two levels of gain, 7db (standard) or 14db (set by jumper). Many find the discrete OPAMPS a significant improvement over the factory LM4562 in musicality. Please contact us for upgrades and compatible discrete OPAMPS.

### **Location**

In normal use the NCore series amplifiers generate minimal heat and can be located in most cabinets because the heavy aluminum, black anodized chassis are extremely effective at heat transfer. It is still important, however, to allow some air circulation around the units particularly if the installation involves stacking the amplifiers.

# Connection

## XLR

The NCore Series are fully balanced and as such have a high degree of common mode noise rejection. The wiring follows AES48 balanced wiring standards: Pin 1 is shield ground tied to chassis ground, Pin 2 is audio signal + and Pin 3 is audio signal - .

## RCA

Even though the NCore Series VTV Amplifier is fully balanced, the NCore amplifier can accept a signal from an RCA connection using a suitable RCA to XLR adapter such as the Neutrik NA2-MPMF or via an RCA to XLR male adapter cable. Note that gain will be slightly lower running RCA connections.

## POWER

Power connection is made through a standard IEC power cable, supplied. You can use any standard or upgraded cable but since the inlet has EMI-RFI filtering, major upgrades are probably unnecessary.

The Ncore is wired standard for 100-120 VAC power input. The SMPS power supply can also be set to run 200-240 VAC. Contact us for information should conversion be necessary.

**Power on the amplifier** by the switch on the rear of the amplifier.

## Trigger (optional)

The NCore Series has an optional power-on trigger available. If your unit has this feature as identified by the “Trigger In Out” on the back of the chassis, the amplifier will go into standby mode as soon as a 3.5mm jack is inserted into the “Trigger In” jack. The unit will remain in standby until a

12V signal is received from the source equipment.

## **Front Panel LED**

The brightness of the front panel LED can be set to off-med-bright via the switch under the front panel edge.

## **Warranty**

The Hypex module and associated SMPS within the VTV Ncore series are extremely reliable and is covered by a two year limited warranty. Please contact us via our website should you need support.

**[WWW.VTVAMPLIFIER.COM](http://WWW.VTVAMPLIFIER.COM)**