



VTV Amplifier Custom Input Buffer

The VTV Amplifier Custom Input Buffer is designed to provide a buffered input signal for the Hypex NC500, NC1200 or NC2K amplifier modules. The module provides sockets for a single DIP8 style dual discrete opamp such as the Sparkos SS3602 or Sonic Imagery 994Enh-Ticha or using “PRO” API style 6 pin sockets, single modules (two required) such as the Weiss OP2-BP, Sonic Imagery 995FET or Sparkos SS2590. In this way, different modules can be used depending on sound preference.

The default closed-loop gain is fixed at 7db. Given the high level of many digital sources, this is usually preferable. However, 14db gain is set by soldering a wire in location “JP1”.

Connection to NC500OEM or Purifi 1ET-400A:

Insert NC500 into J4. Connect SMPS power supply to J6 and ten pin to 14 pin ribbon connector from SMPS power supply to J1 on buffer. Connect input signal to J2.

Connection to NC1200/NC2K:

Connect ten pin to 14 pin on buffer and on amplifier module using a ribbon with two 14 pin IDC connections. Note: both amplifier module and buffer board need to be connected to the ribbon cable. Connect input signal to J2 and connect output J3 to amplifier module input using a cable with two Molex 2x2 Microfit connectors.