

# TC-7510 MK6 Instruction Manual

## 2-Channel 24-bit/96-kHz Audio Digital-to-Analog Converter

### SYSTEM OVERVIEW:

The TC-7510 is a high quality, 2-channel 96-kHz 24-bit audio digital-to-analog converter. The TC-7510 is designed for maximum transparency and is well suited for lossless WAV and FLAC, as well as WMA and MP3 files.

### FRONT PANEL:



### STATUS DISPLAY:

**Power** - (Red LED) indicates the presence of power within the TC-7510.

**INPUT** - (Yellow LED) indicates a digital audio signal can be received through that input.

### INPUT SELECTOR BUTTONS:

**Coaxial** - Selects the digital signal from the RCA coaxial input

**Optical** - Selects the digital signal from the TOSLINK optical input

### STEREO HEADPHONE SOCKET:

There is one stereo headphone socket. The front-panel gain control adjusts the headphone output level. The headphone amplifier is able to drive headphones from 32 ohms to 300 ohms and is fully protected against short circuits and overloads.

### VARIABLE GAIN CONTROL:

The front-panel gain control always controls the output level of the headphone socket. It also controls the output level of the VARIABLE analog output at the back.

## REAR PANEL:



If directly connecting the TC-7510 to amplified speakers or power amps, use the “Variable” mode.

### **ANALOG OUTPUTS:**

Number of Analog Outputs: 2

Output Connector: RCA

Output types:

**Fixed** – suitable for direct connection to integrated amplifiers

**Variable** – suitable for connection to power amplifiers and powered speakers

### **Variable(Amp) Analog Output:**

The Left and Right outputs are provided on standard RCA style sockets. The left channel output connector is white, and right channel output connector is red. The output level is controlled from the front panel.

### **DC POWER INPUT CONNECTOR:**

The DC power input uses a mini DC connector. A power supply is included with each TC-7510 converter and is based on country specific configurations available in your locality, or on the universal 2 pin plug.

The AC input has a very wide input voltage range and can operate over a frequency range of 50 to 60 Hz. All the TC-7510 power supplies are able to operate normally over a range of 90 to 285 VAC, irrespective of which type of mains plug is fitted.

### **DIGITAL INPUTS:**

Number of Digital Inputs: 2 Coaxial, 2 TOSLINK

## **SAFETY INFORMATION:**

Do NOT service or repair this product unless properly qualified. Only a qualified technician should perform repairs.

Do NOT substitute parts or make any modifications without the written approval of Beresford. Doing so may create safety hazards and void the warranty.