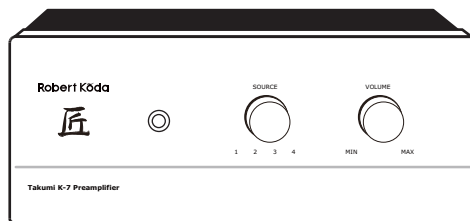


Robert Kōda



Takumi K-10 Owner's guide

Thank you

We extend our hand in deep gratitude, thanking you for selecting the Takumi K-10 pre-amplifier.

This pre-amplifier is easy to install and use but there are some precautions that need to be observed in order to attain maximum performance, safety and reliability. Please therefore read carefully thru this owner' s manual before installing your K-10.

If there any doubts in your mind or should you require any supplementary information, please do not hesitate to contact your distributor or Robert Koda directly.

Cordially,

Robert Koch.

Important safety information

This unit is designed to be earthed.

Please therefore ensure that the AC power cable you select to use with the K-10 is a three wire type that is earthed. Failure to do so may render a potentially dangerous situation.

There are no user serviceable parts inside. Please therefore do not attempt to open, adjust or modify this pre-amplifier.

Power up and power down sequence.

Due to the fact that the K-10 does not incorporate power up / down muting circuits, a large pulse may be emitted from the speakers if the pre-amplifier is not powered up or down in the correct sequence. This pulse may be objectionable or even damaging to your loudspeakers and in particular active bass systems so please:

On power up, turn the pre-amplifier on twenty seconds or more before the power amplifier(s).

On power down, turn off the power amplifiers before turning off the pre-amplifier.

Placement requirements

Owing to the substantial 27Kg weight of the K-10, this pre-amplifier should be placed on a firm, stable and solid surface. The use of a dedicated audio stand or plinth may provide some degree of increased performance.

Areas of high humidity, direct sunlight, exposure to flammable gas or possible exposure to liquids are not suitable for placing the K-10 in.

This pre-amplifier is not designed to stand directly on top of other audio components or have other audio components placed on top of it.

Feet

Four basic feet are installed onto the under-chassis of the pre-amplifier. Their purpose is to mainly provide "finger space" while lifting the unit. Five Sorbo Gell feet are provided for use on final installation. Typically one would place three of the feet on the left under-side area and two on the right. This is to compensate for the extra weight of the left hand portion of the pre-amplifier. It may be desirable to place a thin piece of grease proof paper or similar underneath each Sorbo Gell foot if the added sticky-ness of the foot is not desired. In addition the grease proof paper may prevent possible staining that the foot may leave behind on the component stand.

Connections

Inputs - Source 1

Any balanced source component may be connected to source 1. Best results will be generally obtained when the source component offers a moderate to low output impedance as most (but not all) balanced source components do. If your source component offers both balanced and unbalanced outputs, it may be worthwhile to undertake a listening test to determine which one sounds best.

Inputs - Source 2 thru 4

Source 2 thru 4 are supported by RCA type single ended inputs. These three sets are all electrically identical, offer a 50K ohm input impedance coupled with a very low input capacitance thus making them suitable for use with a wide range of source components.

If your source components have a variable or selectable output level, we suggest that you try between some of these settings and the fixed (or maximum) output level to see which one delivers the best sound quality and ease of use for your system.

Outputs

Two pairs of RCA's and one pair XLR's are used for output connection. When the Balanced / SE switch is set to SE, all three outputs function. The XLR's in this case output a single ended signal with pin 2 being signal and pin 3 becomes grounded.

When the Balanced / SE switch is placed in the Balanced setting, all three outputs function. The XLR sockets provide a full true balanced signal and the RCA's operate normally but with a reduced gain and output impedance.

It is possible to use any combination of output sockets simultaneously if required.

Output impedance

In SE mode the output impedance at all three pairs of outputs is 75 ohms.

In the balanced mode output impedances are 37 ohms per phase on the XLR with pin 2 being "Hot" and pin 3 being "Cold" while being 37 ohms on the RCA outputs.

The K-10 is capable of output levels in excess of 20V RMS and is comfortable with loads as low as 1K ohm.

A Note on the RCA sockets

Great care should be taken, especially with cables that fit too tight or use of locking systems that might not be in sufficiently released before removing the cable from the pre-amplifier. Any un-due twisting of the RCA sockets may cause them to loosen and possibly damage the fragile wires connected to them on the inside of the pre-amplifier.

AC Inlet

Unless otherwise specified, the K-10 is designed for 240V use. AC voltage is marked on the back of the K-10, just above the AC receptacle. This pre-amplifier will function to specification on any AC voltage between 210 and 245V.

The power requirement is 30W when the unit is on and 0W when turned off.

Please ensure that your power cord remains earthed at all times. If this pre-amplifier is not earthed via the AC power cable the pre-amplifier may constitute a dangerous electrical shock hazard under certain fault conditions.

Power switch

Rear mounted above the power receptacle, the power switch combines the switching function with a circuit breaker function. Press the rocker switch so the "1" becomes indented to power the K-10 up. Push the switch so the "0" becomes indented to turn the unit off.

Sometimes it may appear that the switch is giving a little "bounce back" at the moment of turn on. This is normal and simply indicates there was considerable momentary current draw. It is possible that the switch may automatically click over from the on state to the off state. Such instances could indicate a severe fault condition. The circuit breaker may be reset by pushing it back on but if it flips over back to off then the pre-amplifier should be disconnected from the mains supply immediately and returned to Robert Koda for inspection.

Note: The rear power switch does not illuminate.

Ground terminal

To aid system fine tuning, a chunky ground terminal is provided. This terminal connects internally to the K-10's chassis and AC inlet earth.

Front panel description

Orange neon indicator

This indicator becomes illuminated when the power is on.

Volume control

Adjust as required. Please note that compared to other pre-amplifiers, you may need to turn the control to a higher setting that you are accustomed to. The specific setting needed is however not relevant to system performance and the K-10's volume is so designed.

Input selector

Use this to select the required input 1 thru 4.

General use

Burn in time

If your K-10 has not been used for some months, relocated or is brand new, it might require two or three days of power on state to "bed in the components". Such may be done by simply leaving the pre-amplifier on for a couple of days. It is not specifically required for the K-10 to be passing thru a music signal during this process.

Warm up time

Upon power up the K-10 will become functional after about twenty seconds or so. After a further twenty minutes, optimal sound quality will be available.

Please note: The K-10 is not designed to be left on permanently. Please turn it off when there is no intended use for some time.

Cleaning and maintenance

The K-10 may be dusted down with a soft cloth. A cloth dampened in a mild solution of soap and warm water may be effective at removing grease.

If you live in a corrosive environment it may be worthwhile to keep the K-10 covered with a large cloth when not in use. To keep the K-10 looking brand new it may also be beneficial to guard any un-used input and output sockets with a suitable masking tape or similar.

Servicing

Servicing should only be undertaken when there is a fault condition within the pre-amplifier. Please contact your distributor or alternatively Robert Koda for advice and we will provide prompt assistance.

There are no user serviceable parts inside this pre-amplifier.

Technical specifications

Weight	27Kg unpacked.
Dimensions	169mm high with feet installed, 380mm wide and 380mm deep excluding knob and socket protrusions.
Input impedance	50K Ohm (Single ended)
Output impedance	2X37 ohm balanced, 1X 75 ohm single ended.
Input equivalent noise	3.5 millionths of a volt A weighted
Typical mid-band distortion	Less than 0.0005% driving 10K ohm load at 4V RMS
Voltage gain	Plus 6 dB
Frequency response	Less than 3Hz to greater than 150 KHz, minus 3dB
Power consumption	Thirty watts.



The meaning of "Takumi"

The meaning of the Japanese character "Takumi"
can be translated as "Maestro".

Our brand endeavours to build a product in the
spirit of Maestro.

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