Support/Technical Tips – KLEI™Harmony RCA Socket

Installing the KLEI™Harmony RCA Socket

The KLEI™Harmony RCA Socket is designed to fit a chassis (ie. preamp, amp, cdp, etc panel) plate/panel with a thickness between 1~4.5mm (w/- Washer) or upto 6.0mm (w/o Washer).

Specs/Dimensions

- Overall length - 28.5mm, including solder tag
- Widest diameter - 16mm
- Panel/Chassis Hole/Cutout diameter - **10mm**
- Panel/Chassis Width/thickness – **1mm and up to 4mm with washer**
- Panel Washer - diameter **15mm**, width 1.5mm, fitted externally
- Panel Nut – M10, spanner size 12mm, width 3.5mm, fitted externally
- Connection – RCA Plug/Male

Mounting

- Mark the position the Harmony RCA Sockets and drill or punch an M10 diameter hole (ie. 10mm, 25/64"/inch).
- Install/Insert the Harmony RCA Socket through the hole and install the nut and washer to secure the Harmony RCA Socket to plate/panel but do not over tighten.

Soldering

- We recommend using Heatsink Pliers/Clips (such as Goot Heat Clip H-2SL, as shown) to prevent melting of the polymer Housing/Thread, where the Heatsink Pliers are positioned on the tag where the polymer Housing begins…

These Heatsink Pliers/Clips are made of aluminium, small in size, and are an effective small clip-on Heatsink for use when soldering the Signal Pin, or even the Ground/Return Pin, and can be found in two basic types. The 1st type is the straight reverse tweezer grip type. The 2nd type is the angled reverse tweezer grip type.

  - Do not use an RCA Plug as a Heatsink because the Soldering heat, when combined with the RCA Plug tension/s, can affect the position of the Signal pin in the RCA Socket Housing and even the position of the Ground/Return pin/collar in the RCA Socket Housing.
- A 60watt soldering iron with a broad tip that offers fast heat transfer and to assist the soldering process…
  - Tin your soldering iron tip by melting a small amount of solder on to the tip, to ensure/assist the conduction of heat and eutectic transfer/running of solder during the soldering process.
  - Tin the RCA Socket tag/platform and wire, as required/necessary.
- Solder the Ground/Return conductor, ie Ground, to the Ground/Return tag (-) and solder the Signal conductor to the Signal (+) tag, by applying heat (and solder as required) to generate solder flow. Once the solder has flowed over the connection/joint, remove the heat (soldering iron).

Enjoy better sound!

- Enjoy better sound! Take your time, prepare your conductors prior to connection, use good solder and benefit from the improved signal transmission the KLEI™Harmony RCA Socket connectors can provide.
- The objective is for the KLEI™Harmony RCA Socket to provide a firm and secure fit for all RCA plugs.

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Congratulations

- Congratulations, you have reached the end and hopefully been successful in installing the KLEI™Harmony RCA Sockets.
- Well Done  and we recommend the use of KLEI™Harmony RCA plug as the ideal partner with the KLEI™Harmony RCA Socket.

Further Interesting Technical Tips

- We would suggest you allow >100 hrs (preferably >200 hrs) of playing music through the SCs (Speaker Cables) to burnin/runin the KLEI™Harmony RCA Sockets.
- We have found when comparing ICs, due to the KLEI™Harmony RCA Sockets having extremely high resolution, that once the ICs are attached to the Harmony RCA Sockets that a period of at least 90mins (preferably 180mins) is required for the Harmony RCA Socket/Plug connections to settle before any serious listening comparisons are performed.

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