

# Multi Ratio MC StepUp Dual Mono Version



Also available as single mono version.  
(See back of this flyer.)



Consolidated Audio builds customized MC StepUp Transformers (SUTs) since 2018. Over the years, while discussing SUT configurations with our customers, we collected a set of wishes/requirements which were not met by our standard SUT. Of these the most important were:

- Flexible ratio – adapt SUT to MC cartridges with a wide range of output voltages.
- Flexible primary inductance – match SUT with a wide range of MC cart internal impedances.
- Eliminate potential hum problems with unbalanced input connections.
- Make mono / dual mono version of SUT available.

We thus decided to develop a new SUT design to meet all of the requirements listed above and called it the **Multi Ratio SUT**. It will be available in mono and dual mono versions.

## Ratio/Inductance Selection



1:0,5 x N (H)



1:1 x N (H)



1:1 x N (L)



1:2 x N (L)

The ratio/primary inductance selection is accomplished by four jumpers with gold plated sockets and pins. This totally avoids the problems common to other solutions, namely mechanical switches or relays, which are prone to degraded contact quality over time. In addition it is guaranteed that regardless of selected ratio all SUT windings will always be engaged.

Starting from a middle ratio  $N$  (let's assume  $N=20$ , other values of  $N$  are possible) the SUT is configurable for ratios 1:10, 1:20 and 1:40.

Two levels of primary inductance are available: High (H) with ratios 1:10 and 1:20 and Low (L) with ratios 1:20 and 1:40.

Hence a single Multi Ratio SUT is equivalent to four standard SUTs each with only a single ratio / inductance configuration. Please see the images above, where the four different jumper configurations are shown.

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