

# SPECIAL INSTRUCTIONS FOR EXTERNAL TONEARM CABLES WITH 4 EARTH WIRES

Origin Live external arm cables come in variants which are all covered below.

If you have a separate 5 Din Pin version then first connect the 5 Din pin into the base of your tonearm. The plug is designed to be a tight fit onto the pins so may need a little force but make sure everything is correctly lined up to avoid bending pins.

Now for all external cables (including those which are permanently attached to the base of the arm) plug the RCA phono plugs of the arm cable into your phono stage / Pre-amp / amp. Avoid twisting the plugs more than a quarter of a turn back and forth if the plug is a tight fit.

## Earthing arrangements

Optimal earthing arrangement is largely a matter of trial and error as it depends on your phono stage / amplifier design. Most vinyl systems hum slightly at high volume levels, especially valve amplifiers. This can be reduced sometimes by changing the earthing arrangement.

Our external tonearm leads have a different number of earth leads so please read the section below that relates to your case.

### Single earth wire on tonearm lead-outs

If your arm has a single earth lead, try connecting the blue tonearm earth wire to the **first** component in the chain from the arm. For example if you have a phono stage connected to an integrated amp, then connect the arm earth wire to the phono stage. On some amplifiers it's best to leave the arm earth disconnected to reduce hum.

### For 3 Blue Earth wires and a Black signal return earth wire on tonearm lead-outs

If your arm has the configuration shown opposite, try the following and settle for the configuration with least hum.

A) Connect only the wire denoted “arm earth” and leave the “screen earths” and “black wire” disconnected.

B) Connect all 3 blue earth wires to earth.

Connect “2 blue screen earths” only and leave arm earth disconnected.

If hum still persists disconnect blue wires from earth and connect only the thin black wire sprouting from the “white RCA plug” to the phono earth.

Then try the options A to C but with the black wire connected.

This process does not take long and is only necessary if you experience hum.

