



L10 Dual Monaural Twin-Chassis Line Preamplifier

Quick Start Guide

Thank you for choosing the L10 Dual Monaural Twin-Chassis Line Preamplifier for your audio system. The L10, like all the other products designed by CH Precision, is highly versatile. Unlike many, more conventional preamplifiers, in order to achieve the best results from your unit, it is important to read the user manual that contains all the information needed to set up, configure and use your L10. The current user manual is included with your preamplifier and also stored on the USB stick in the accessory pack. The latest version of both the manual and the unit Firmware is also available to download at www.ch-precision.com.

This guide will help you get started with your preamplifier.

You will need a box cutter and somebody to help with the lifting. Both of the L10 chassis are quite heavy and we strongly recommend that they each be moved and placed by two people.

1. Open the boxes carefully (they're heavy!)

They should contain:

- The two preamplifier units, one in each carton. The L10 power supply (with captive cables) is especially heavy, so handle it with considerable care and ensure that you do not crush or trap the captive umbilicals.
- The accessory box and manual.
- Eight CH composite Titanium spikes (located in the bottom piece of foam).
- Eight CH polymer footer discs.
- Eight CH small, dimpled polymer stacking caps.
- One C15 mains power cord.
- A suction cup (located in the top piece of foam) and other tools.
- The small, hand-held remote.
- A CH Precision USB stick.

If anything is missing or if the units present cosmetic damage due to transportation, please contact your dealer immediately.

2. Place your units (remember – they're heavy!)

- Check that the voltage selector located on the IEC socket at the back of your Power Supply unit is displaying the voltage in use at your location. If different, do not continue with this procedure and contact your dealer for assistance.
- If using the integral ground/support spikes:
 - Remove the unit's four Top Covers using the provided suction cup.
 - Insert the CH Spikes into the wells and start them in the threads in the base, ensuring you don't insert them too far so that the spikes show and might damage the supporting surface.
- Place the preamplifier in its final position, ensuring there is sufficient airflow around, above and below it. If installing the CH Spikes, locate the four footer discs beneath the unit's feet. Now, using the short screwdriver provided, wind the spikes down until they lift the unit clear of the support discs. Ensure that all four spikes are in even contact and that the unit is level. Replace the top caps.

- If you are stacking CH units you need to remove the top-caps (using the suction cup provided), replace them with the small, dimpled top caps provided in the accessory pack **and place the preamplifier unit (carefully!) on top of its power supply**. The spikes should locate directly into the dimples in the caps. Level as above.
- If your unit is cold due to transportation, let it warm up to room temperature before powering it up.

3. Power Connections

- Before attempting any electrical connections, set the power switch at the back of the power supply unit to OFF (the 0 on the switch should be depressed).
- Connect the two umbilicals between the power supply and the preamplifier chassis. The leads are color-coded (red or blue).
- Connect the unit to the mains grid using the provided power cord.
- **Never connect or disconnect the umbilicals that link the power supply to the preamplifier chassis with the units switched on.**
- **Always complete the power cord and umbilical connections before connecting any signal cables.**

4. Audio Connections

Never attempt to make or modify audio connections with your preamplifier powered on. The power supply unit's back panel switch must be in the OFF position while making audio connections. The mains power cords should be plugged into the wall socket so that the unit is grounded.

- Consult the included unit topology diagram before starting.
- Connect the Left and Right channels of your source components to the inputs of the L10. **Note which source is connected to which input.** The interconnection can be XLR, RCA or BNC.
- Connect the L10 preamplifier Left and Right channel outputs to the corresponding inputs on your power amplifier(s). Try to keep signal cables away from AC power cords. If they must cross, try to space them and cross at right angles.
- If you wish to use the CH Control App (and we strongly recommend that you do, as this allows direct remote access to the L10s full functionality) use a Cat 6 Ethernet cable to connect the Ethernet Control socket to the system network. The Control App can be downloaded from the L10 product page at www.ch-precision.com.

5. Switch On

Once you have made all of the power and audio connections, you can turn on your L10. First, power up the power supply unit using the rear switch. You will see the red LEDs in the front-panel CH logos (top left) blink a few times and then illuminate. Now, press the central control knob on the pre-amplifier once. The power LEDs will start to flash and the main display will indicate that the power supply is charging. Once the power supply has charged, the display will switch to show the input status. You are now ready to operate/configure your L10.



6. Configuring The Inputs

The L10 allows you to configure each input individually.

The available options are listed in the main manual but include:

- Display color (a 'global' setting for all inputs).
- Input name (up to 12 characters).
- Input Status (active, bypass, hidden).
- Input gain.
- Coupling (direct or capacitor coupled).

You can set or adjust the parameters using either the CH Control App or the dual-concentric control, however integrating the L10 into the system network/Control App may require you to set the correct network settings by using the dual-concentric control and the instructions in the main manual (p19, Section 3.3.5).

You can also choose between local or global feedback and select absolute polarity. These choices will often be program dependent and should be made on a disc-by-disc basis.

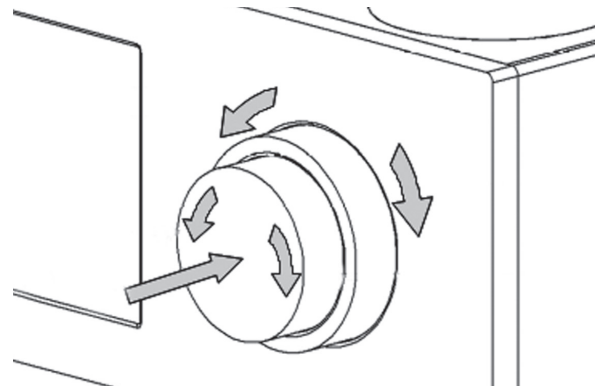
7. Advanced Settings

There are a number of advanced/global settings and connections that can be applied to your L10. These include:

- The ground switch located on the back of the pre-amplifier unit.
- Choice of default display settings and power LED status.
- Firmware updates.
- Network remote control of any CH Precision component.
- Start-up and maximum levels.

Please see the full manual for information on these important options.

Rotary Control Operation



From Standby -

Push centre knob to switch on.
Rotate center knob to set level.
Turn outer ring to select input.

In Operational Mode -

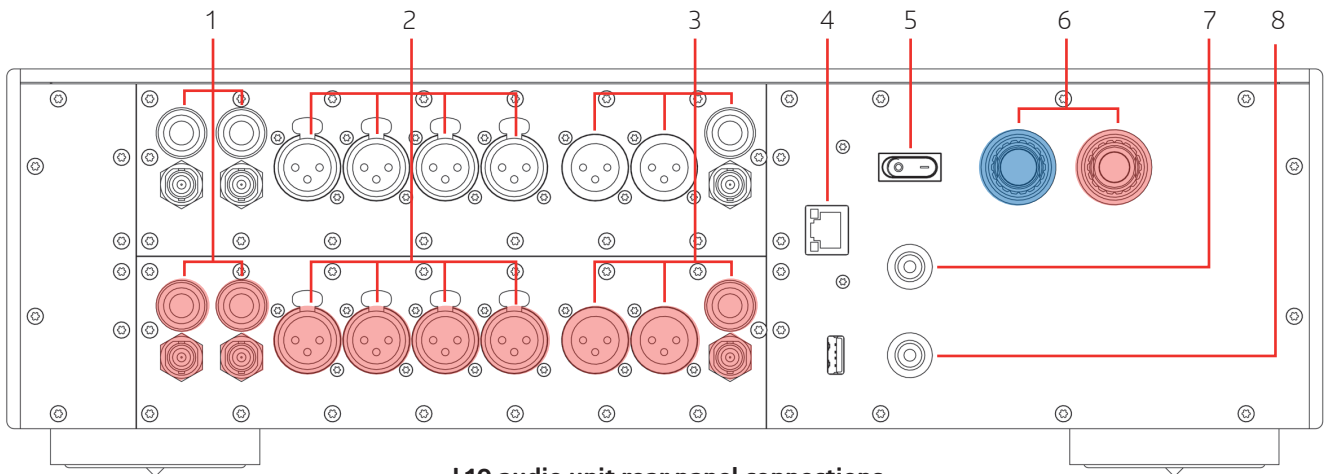
Push centre knob to select short-cuts (Mute, Phase) or menus (Detailed Setup).
Turn knob to alter status (Mute Phase) or enter menus.

In Detailed setup Mode -

Turn centre knob to navigate up/down.
Push centre knob to select.
Push centre knob to save.
Turn centre knob anti-clockwise to exit.

To Power Down -

Push centre knob and keep pressed.



L10 audio unit rear panel connections

- | | |
|-----------------------|-------------------------------------|
| 1. Inputs (RCA + BNC) | 5. Ground Lift Switch |
| 2. Inputs (XLR) | 6. DC Inputs from PSU (Color-Coded) |
| 3. Outputs | 7. Signal Ground |
| 4. Network Connection | 8. Chassis Ground |



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