



P10 Dual Monaural Twin-Chassis Phono-Stage

Quick Start Guide

Thank you for choosing the P10 Dual Monaural Twin-Chassis Phono-Stage for your audio system. The P10, like all the other products designed by CH Precision, is highly versatile. Unlike many, more conventional phono-stages, 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 P10. The current user manual is included with your phono-stage 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 phono-stage. It will help you unpack, position and connect the two units, but you will need to refer to the manual (Chapter 10) in order to access and optimize the input settings for your cartridge(s).

You will need a box cutter and somebody to help with the lifting. Both of the P10 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 phono-stage's two units, one in each carton. The P10 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 blue suction cup (located in the top piece of foam) and other tools.
- The small, hand-held remote.
- A CH Precision USB drive.

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 each 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. The manual contains further advice regarding anti-seize treatment for the spikes, but we strongly advise greasing or using CopaSlip on the threads.
- 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. Once positioned, we normally recommend removing the support discs. There is more information on optimum spiking/support in Section 3.4 of the manual.

- If you are stacking CH units you need to replace the top-caps with the smaller, dimpled caps provided in the accessory pack and **place the phono-stage audio unit (carefully!) on top of its power supply**. Please note that this is not the optimal arrangement for the phono stage and that we recommend leaving as much room as possible between the P10 audio unit and its (any) power supply. The spikes should locate directly into the dimples in the caps. Level as above.

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 audio chassis. The leads are color-coded (red or blue).
- Connect the unit to the mains grid using the provided power cord.
- **If your units are cold due to transportation, let them warm up to room temperature before powering them up.**
- **Never connect or disconnect the umbilicals that link the power supply to the audio chassis with the units switched on.**
- **Always complete the power cord and umbilical connections, but ensure that the P10 is turned off, before connecting any signal cables.**

4. Audio Connections

Never attempt to make or modify audio connections with your phono-stage 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.

- Note that inputs to the P10 can be made using RCA or XLR connectors. Never connect both connectors on a single input at the same time!
- Outputs from the P10 are on RCA, XLR and 50Ω BNC connectors.
- Connect the Left and Right channels of your tonearm(s) to the selected input. Note that there are four phono inputs of two different types.
 - The current-mode inputs (MC1 and 2) are best used with low-output cartridges with an internal impedance of less than 5Ω.
 - The voltage-mode inputs (MM/MC 1 and 2) are best used with low or high output cartridges with internal impedance greater than 20Ω.
 - More guidance on matching your cartridge(s) to the P10's outputs can be found in Chapter 10 of the main manual.
 - Connect the tonearm(s) ground wire(s) to the signal ground using the removable 4mm post with its butterfly nut.
- Connect the P10 phono-stage Left and Right channel outputs to the corresponding inputs on your line-stage pre-amplifier. Try to keep all 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 P10s 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 P10 product page at www.ch-precision.com or the Android Play Store.

5. Switch On

Once you have made all of the power and audio connections, you can turn on your P10. 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 top button on the audio chassis 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 P10.

Configuring The Inputs

The P10 allows you to configure each input individually.

You will need to set:

- MC1 and/or 2 – Input gain
- MM/CC 1 and/or 2 – Input gain and cartridge loading
- Input name (up to 12 characters)
- Input Status (active or hidden)

You can set or adjust the parameters using either the CH Control App or the front-panel buttons, however integrating the P10 into the system network/Control App may require you to set the correct network settings by using the front-panel buttons and the instructions in the main manual (Chapter 8).

You can also choose between local or global feedback, select absolute polarity and the high-pass (rumble) filter. These choices will often be program dependent and should be made on a disc-by-disc basis.

7. Advanced Settings

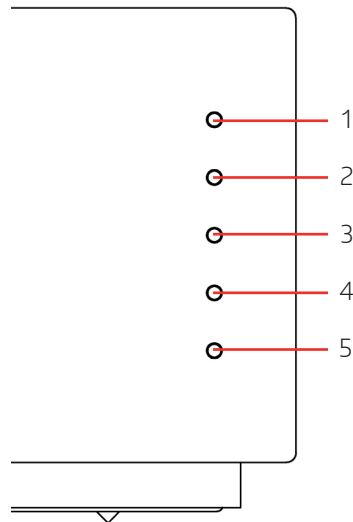
There are a number of advanced/global settings and connections that can be applied to your P10. These include:

- The ground switch located on the back of the pre-amplifier unit.
- Choice of default display settings and power LED status.

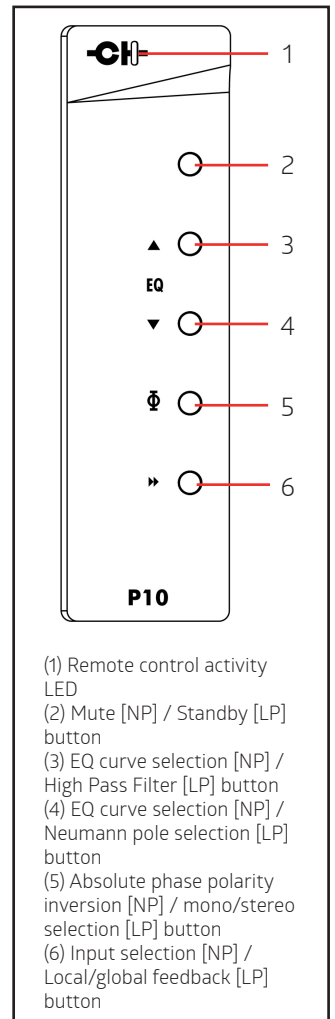
- Firmware updates.
- Network remote control of any CH Precision component.

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

8. Basic Operation (Front-Panel Buttons and IR Remote Control)

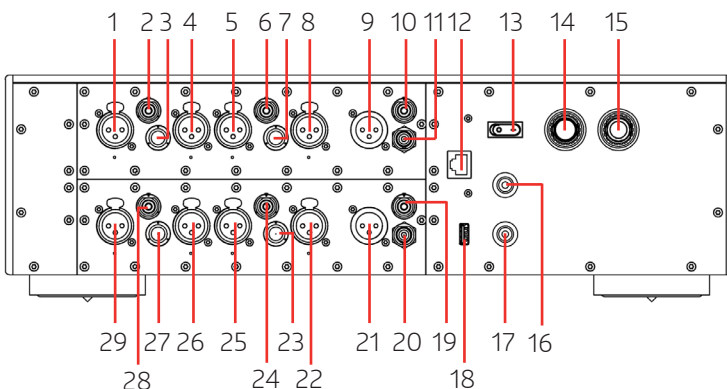


- Button 1. Mute (NP)
Operate/Standby (LP)
- Button 2. Up
- Button 3. Next/OK
- Button 4. Down
- Button 5. Cancel/Exit



- (1) Remote control activity LED
- (2) Mute [NP] / Standby [LP] button
- (3) EQ curve selection [NP] / High Pass Filter [LP] button
- (4) EQ curve selection [NP] / Neumann pole selection [LP] button
- (5) Absolute phase polarity inversion [NP] / mono/stereo selection [LP] button
- (6) Input selection [NP] / Local/global feedback [LP] button

P10 audio unit rear panel connections



- (1) MC 1 XLR left input
- (2) MC 1 RCA left input
- (3) MC 2 RCA left input
- (4) MC 2 XLR left input
- (5) MM/MC 1 XLR left input
- (6) MM/MC 1 RCA left input
- (7) MM/MC 2 RCA left input
- (8) MM/MC 2 XLR left input
- (9) XLR left output
- (10) RCA left output
- (11) BNC left output
- (12) Ethernet port for network connection/Control App
- (13) Ground lift switch
- (14) Multi pin socket for analog PSU connection (blue)
- (15) Multi pin socket for control PSU connection (red)
- (16) Signal ground connection
- (17) Chassis ground connection
- (18) USB port for firmware upgrades only
- (19) RCA right output
- (20) BNC right output
- (21) XLR right output
- (22) MM/MC 2 XLR right input
- (23) MM/MC 2 RCA right input
- (24) MM/MC 1 RCA right input
- (25) MM/MC 1 XLR right input
- (26) MC 2 XLR right input
- (27) MC 2 RCA right input
- (28) MC 1 RCA right input
- (29) MC 1 XLR right input



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