

# CITRONIC

---

*PD-1S mk3*

**Pro-Drive Direct Drive Turntable**

---

Ref. No: 170.510



---

**OWNER'S MANUAL**

---

## Safety Warnings:

All the safety and operating instructions should be read before the appliance is operated.

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

To reduce the risk of electric shock, do not remove the cover (or back). There are no serviceable parts inside. Always refer servicing to qualified service personnel.

## Cautionary Notes:

Care must be taken not to damage the power supply cord housing, which could expose line parts and cause electric shock. When removing from wall outlet, be sure to remove by holding the plug and not by pulling the cord.

In order to prevent electric shock; do not open the top cover. If a problem occurs, contact your dealer.

Do not place metal objects or spill liquid inside the mixer. Electric shock or malfunction may result.

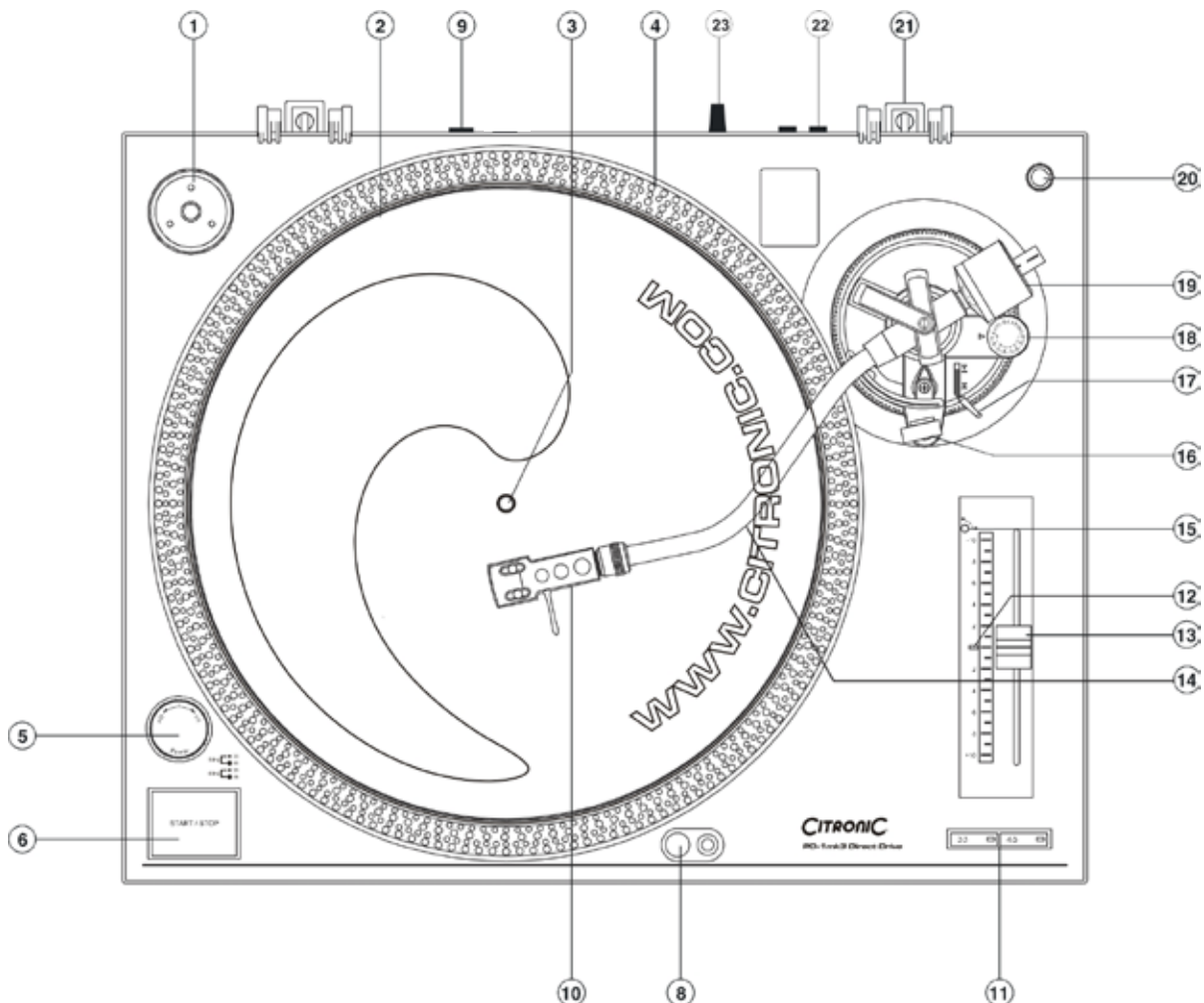
Any use of the controls, or any adjustment, or the performance of any procedure other than those specified herein may result in serious damage to your health.

The unit should not be opened or repaired by anyone except properly qualified service personnel.

Double insulated - when servicing, use only identical replacement parts.

## Check List

- Check that the following parts are included in the package with the main unit:
  - 1) Turntable platter
  - 2) Slip mat
  - 3) Dust cover
  - 4) 45-rpm adapter
  - 5) Counterweight
  - 6) Headshell
  - 7) Operating instructions
  - 8) Phono lead



## Illustration and Main Features

- 1) 45-rpm Adapter
- 2) Slip Mat
- 3) Center Spindle
- 4) Strobe Dots
- 5) Power Switch/Strobe
- 6) Start/Stop Button
- 8) Target Light
- 9) Remote Start Socket: This jack can be connected with an external switch to perform the Start/Stop operation.
- 10) Headshell
- 11) Speed Select Buttons
- 12) Quartz lock LED
- 13) Pitch Control Slider
- 14) Static Balanced Tonearm
- 15) Trim control
- 16) Arm Rest
- 17) Cueing Lever
- 18) Anti-skating Knob
- 19) Counterweight
- 20) Spare Cartridge Holder
- 21) Hinge For Dust Cover
- 22) Phono Sockets L+R
- 23) Phono Sockets Earth (GND)

## Assembly Instructions

1. Remove the main unit with the packing from the box and take off the packing.
2. Insert the 45-rpm adaptor in the slot on the turntable.
3. Place the turntable platter onto the center spindle.
4. Place the slip mat on the platter.
5. Installation of cartridge:  
When installing a cartridge, refer to the operating instructions of that cartridge.  
During installation, attach the stylus protector to guard the stylus tip from damage.
6. Insert the headshell into the front end of the tonearm, then turn the lock nut clockwise with the headshell firmly held horizontally.
7. Slide counterweight onto tonearm.  
Twist it lightly and it will screw onto the rear shaft of the tonearm.
8. Adjustment of horizontal zero (0) balance and stylus pressure:
  - (a) Remove the stylus protector, do not touch the stylus tip during the adjustment.
  - (b) Set the cueing lever to the lower position.
  - (c) Release the arm clamp and lift the tonearm from the arm rest to free it.
  - (d) While holding the Headshell lever rotate the counterweight until the tonearm is approximately balanced horizontally (floats freely).
  - (e) Refasten the tonearm with the arm clamp.
  - (f) Hold the counterweight stationary with one hand and rotate only the stylus-pressure ring to bring the number "0" of the ring into alignment with the center line on the tonearm rear shaft.
  - (g) Rotate the counterweight clockwise until the scale shows the value corresponding to the pressure of the used stylus, typically 4 grams.
9. Set the anti-skating control knob to the same value as the stylus pressure.
10. Install the dust cover to the main unit.

## Placement

- Do not place the unit in a location where it will be exposed to direct sunlight or near a heating appliance.
- Do not place the unit in a location where there is high humidity or a lot of dust.
- Cartridge may pick up sound pressures or vibrations from the speakers coming along the floor or through the air resulting in howling. Find a location, which is very stable, and vibration free.
- The legs have functions for adjusting the height of the unit itself. Adjust the legs to stabilize the main body horizontally.

## Connections

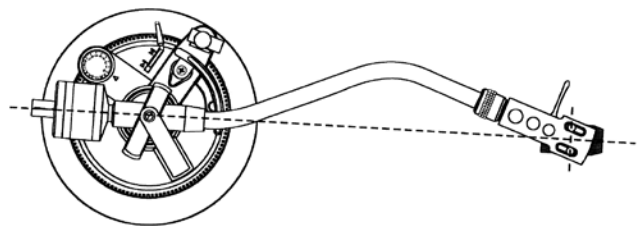
1. Connect the power cord to the household AC outlet.
2. Connect the unit output terminals to the PHONO inputs of your mixer.

Output terminals		Mixer input
L (White)	>>	L Channel
R (Red)	>>	R Channel
GND (Spade)	>>	GND

NOTE: Be sure to connect the separate ground terminal firmly to the Mixer. If this connection is not made or is loose, a power source "HUM" will result.

## Scratch Mixing Tip

If you are using the deck for scratching the cartridge can be adjusted to give better traction as follows:  
Align the cartridge in a direct line to the back of the tone arm.



NOTE: this is not advisable to use during normal play.

## Operation

The following instructions assume that the counter balance weight has been set.

1. Rotate the power switch to turn on the power, the speed indicator and the strobe-illuminator will light up.
2. Place a record on the slip mat, when playing a 45rpm record with a large center hole; place the 45-rpm adaptor on the center spindle.
3. Set the speed to match the record.
4. Remove the stylus protector, release the arm clamp.
5. Set the cueing lever to the up position.
6. Press the Start/Stop button, the turntable platter will start to rotate.
7. Move the tonearm over the desired groove.
8. Set the cueing lever to the down position, the tonearm will descend slowly onto the record and play begins.
9. When play is finished, raise the cueing lever, move the tonearm to the arm rest, secure the tonearm with the arm clamp.
10. Press the Start/Stop button to stop the platter rotating, push the power button to turn off the power.
  - Suspend play  
Set the cueing lever to "UP" position during play, the stylus tip of the cartridge will be lifted from the record.
  - Target light  
This unit is provided with a target light for illuminating the stylus tip during play. Push the target light button, the target light will be raised into position for illuminating the stylus tip.

## Remote Start

The remote start jack socket is located at the rear of the deck. When a jack plug is inserted and connected to a compatible mixer. The deck will be able to be started automatically from the mixer remote start control.

## Changing the Speed

As long as the pitch control (13) is in center click position, the turntable is operated with quartz- controlled speed.

The Blue LED (12) will then be lit.

The speed can be increased or decreased by 10% via the pitch control (13). The Blue LED (12) will then be off.

The Trim control (15) can be used to provide an increased range of pitch control adjustment in order to have the turntable rotate extremely slow or fast.

For DJ Mixer operation, the start/stop function can be remotely controlled by a separate switch. Use the jack remote socket (9) to connect this to the mixer option.

## Maintenance

- Clean the stylus periodically with a soft brush to prevent the accumulation of dust.
- When the sound becomes distorted or noisy, check the stylus. If worn out, replace it with a new one.
- From time to time, the dust cover and turntable cabinet should be wiped with a soft, dry cloth.

## Installing a Cartridge

To install a cartridge into the headshell provided, refer to the installation instructions supplied by the manufacturer of that cartridge. During installation, attach the stylus protector to guard the stylus tip from damage.

Attach wires as follows:

White (L+)	Left Channel +
Blue (L-)	Left Channel -
Red (R+)	Right Channel +
Green (R-)	Right Channel -

## Technical Specification

Motor	.8 pole 2 phase brushless DC
Drive	Direct Drive
Pitch	+/- 10%
Starting Torque	More than 1kgf.cm
Braking system	Electronic brake
Braking Time	Less than 1 sec.
Starting Time	Less than 1 sec.
Braking Time	Less than 1 sec.
Tracking force adjustment range	0 - 4g
Effective arm length	230.5mm
Power supply	AC 115 - 230V, 50/60Hz
Power consumption	12 Watts
Dimension (WxDxH)	450 x 350 x 146 mm
Weight	9.6 Kgs

## CE Markings

### EMC Conformity

The PD-1s Professional Direct Drive Turntable, have been tested to demonstrate compliance with the EMC 89/336/EEC directive, under which the following harmonised standards apply:

i)	EN55020	Electromagnetic Immunity
iv)	EN55013	Electromagnetic Compatibility

### Electrical Equipment Safety Regulations (1994)

The PD-1 Professional Direct Drive Turntable, have been designed and tested to demonstrate compliance the LVD 73/23/Eec directive, using the following standard.

i) EN60065 Safety requirements for mains operated electronic equipment for household and similar general use.

For other products in the Citronic range, visit . . .

**[www.citronic.com](http://www.citronic.com)**