

Parabolica Turntable Documentation

Index	Pg. 1
Contents	Pg. 2
Warnings	Pg. 3
Unpacking	Pg. 3
Set up	Pg. 4-5
Pre Set up Notes	
Tone Arm Installation	
Placement and Leveling	
Connecting the Power Supply	
Operation	Pg. 6-8
Initiating Rotation	
Changing Speed	
Adjusting Speed	
Clamping Records	
Using the Quick Change Arm Mount	Pg. 8
Cleaning and Maintenance	Pg. 8
Troubleshooting	Pg. 9

Contents

- 1) Parabolica Turntable
- 1) Tone arm mount
- 1) Power Supply
- 1) Power Cord
- 1) Record Clamp
- 2) Record Damper, Low Compression
- 2) Record Damper, Medium Compression
- 2) Record Damper, High Compression
- 2) Cover, Record Damper
- 2) Feet, Front, adjustable
- 1) Foot, Rear
- 1) Wrench, Level adjustment
- 1) T-Handle Allen Key, 3/16" Arm Mount Bolt
- 1) T-Handle Allen Key, 5/32", Clamp Block, Arm Mount
- 1) Tool, Platter Plug Removal, Clamp Block, Arm Mount
- 1) Gloves
- 1) Cleaning Cloth
- 1) Operation manual
- 1) Warranty Certificate
- 1) Warranty Registration Form

Warnings

THE PLATTER IS NOT REMOVABLE!

Attempting to remove the platter will not only void the warranty it will also damage the system which measures and maintains speed.

DO NOT LIFT UPWARD ON THE PLATTER OR SPINDLE POST.

Cables:

Any tone arm cable used must have high quality ground and shielding. Unshielded cables anywhere in your system may act as antenna and add noise to playback and are functionally unacceptable for any proper playback system.

Proper ground and shield throughout your system are especially necessary with this sophisticated design.

Caution:

When you are changing arm boards care should be taken around the encoder and its mount. Do not disconnect the wiring. Do not disturb, bump or otherwise tamper with the encoder or its mount.

Disconnecting the wiring or disturbing the encoder can change the accuracy of the unit. Disturbing, removing, or in any way tampering with the encoder and its mount will void the warranty.

UNPACKING

Before unpacking we suggest you chose and prepare your set up and final usage location. We recommend that you use any well lit horizontal surface for initial installation of the tone arm and cartridge as well as initial set up. This can be done in place on the stand but you may find it much easier to work on the unit in a different location and then move it to the stand afterward. After having prepared your clean open space for set up follow the directions to begin using your new turntable.

Check your contents against the included list on the "**Contents**" page and proceed to set up.

SET UP

Pre set up Notes

Your Parabolica has been broken in at the factory prior to shipment. It has no less than 48 hours run in time with a minimum of 25 on/off cycles. After passing this burn in phase it was inspected for proper operation and performance and packaged for delivery.

You will need to remove the transport oil plug from the spindle before doing any set up. The black plastic acorn nut on top of the spindle must be removed. Then the nail with custom miniature o-ring needs to be withdrawn from the spindle. **Save these items!** These two items must be in place when shipping the table to prevent oil from leaking out of the bearing assembly.

Tone Arm Installation

Your Parabolica has been shipped with the correct mount bracket required for your choice of tone arm. You will need to insert the mount and tighten the holding mechanism. Mounting and correct tone arm and cartridge set up will be your primary set up task. Your dealer can provide you technical support as needed however, any information you may require which is not contained in this manual will most likely be found in the documentation for the tone arm and or the cartridge.

We have done all the engineering to ensure the tone arm mount is absolutely accurate to levels well beyond the standard requirements of the manufacturer or a common installation. Our installation obviates any need to inspect the mounting location or pivot point of the arm. Follow the directions for the set up of your tone arm. Having completed the basic tone arm installation steps you can move straight to cartridge installation and alignment.

The specifics for installation of your cartridge are covered in its documentation. You will require a high tolerance alignment tool of some type. Some method should have been supplied with the tone arm. It is critical to get your cartridge aligned to a high level of precision.

CARTRIDGE ALIGNMENT WILL GREATLY AFFECT THE SOUND THEREFORE NO AMOUNT OF TIME IS TOO MUCH. PATIENCE AND PERFECTIONISM ARE THE ORDER OF THE DAY. IT IS NOT "OK" UNLESS IT IS PERFECT AND YOU ARE CONFIDENT OF THIS AS A FACT.

Placement and Leveling

We recommend for best final sound you use some type of well engineered isolation stand. This can be an individual stand or one for your entire system or perhaps a wall shelf. The Monaco Turntable is not designed to act as an isolation device itself but instead to be a high frequency structure which cannot be excited when used atop of a proper isolation stand or platform. If used atop of a poorly performing stand, much like all of your gear, it will not realize its full potential.

Placement:

Place the two front feet in the approximate location for use.

Place the rear foot in the approximate location for use.

The surface must be level. If it is not we have some adjustment with the turntable feet but it is best if the shelf is level.

Place the Parabolica upon its feet.

Leveling:

Place a level across the front of the platter. Note which side of the bubble is low and select the foot beneath this side. Use the supplied blue wrench to turn the adjuster on this foot anti-clockwise until the bubble centers.

Rotate the platter 90 degrees so that the level is now in a fore aft plane.

The bubble should display the front of the table as low. (This assumes the table is placed upon a flat and level surface.)

Adjust both front feet equally, anti-clockwise rotation, until the bubble centers.

Repeat both positions and adjust as needed to confirm the platter is perfectly level.

DO NOT RUN THE TABLE CONTINUOUSLY AS IT MAY CAUSE UNDUE WEAR TO THE THRUST BEARING.

Connecting the Power Supply

The power supply is a transformer which supplies low voltage DC current to the computer and 3 phase AC to the motor. The computer has internal self resetting fuses. It is surge protected and should the fuse break upon disconnection from power it will reset.

Plug the socket into the back of the turntable.

Plug the power cord into a power outlet.

Your Parabolica is now ready for operation. Proceed to the next section for guidelines in use and operation.

OPERATION

Initiating Rotation:

The Parabolica is designed with a unique type of operation switch interface and indicators lights. These features are hidden. The switch and indicators were purposely designed to be visually hidden. The switch can be found in the middle of the front surface on the table. If you look carefully you will see a ½” black spot in the carbon fiber weave. This is the switch. The indicator lights are under the front of the table and will shine a pool of light onto the surface below the table. There is a blue LED for 33 rpm and a white LED for 45 rpm.

To power up your Parabolica simply touch this area once for 33 rpm and touch it again within 20 seconds and it will go to 45 rpm. Touching it again will shut off the table.

Each touch of the switch will cause a flash from one of the LED indicator lights.

When the platter has reached the speed selected an LED light will come on solid, blue for 33 rpm and white for 45 rpm. This light is calibrated to approximate the speed accuracy level of the design and thus will waver or go out should any speed error occur. It is normal for the light to blink repeatedly as the table is reaching correct operating speed.

NOTE: The platter must be still to start the turntable.

If the platter is moving the turntable will not start correctly. You can simply stop the platter with your hand and the turntable will then start correctly.

You can accelerate the platter by hand for faster start up.

NOTE: The Parabolica is equipped with an auto off feature. The auto shut off is programmed for 60 minutes. If the table is left running it will automatically shut off after 60 minutes. If the table is not started for 60 minutes the computer will automatically power down.

Changing Speed:

Pressing the touch switch once will initiate rotation and select 33 rpm pressing it again within 20 seconds will select 45 rpm.

Adjusting Speed:

The Parabolica does not feature speed adjustment. This feature has been deemed unnecessary.

Clamp Usage:

Install the correct rating record damper around the spindle prior to placing a record upon the platter.

Twist the clamp into place until the record is pushed fully onto the platter. Proper clamping will be achieved when the center of the record near the label is firmly against the platter and the outside has positive pressure when flicked upward with the finger. Excessive clamping will lift the outer edge of the record.

Damper Usage:

Each damper requires a thin covering of clear plastic “damper cover”. This is to prevent the record from sticking to the damper. When changing dampers remove the clear plastic cover from the damper and install on the new one then place around the spindle.

The **Low Compression Damper** is for use with flat standard thickness records. This will create the lowest amount of deformation in the record. If used with thicker records it will result in less deformation or clamping force at the outer edge.

The **Medium Compression Damper** is for use with standard records which are warped enough to not achieve full clamping with a Low compression damper. It will generate more deformation and thus clamping force.

The **Medium Compression Damper** is also for use with 180 gram records.

The **High Compression Damper** is for use with 180 gram records which are warped enough to not fully clamp with a Medium compression damper.

The **High Compression Damper** is for use with 200 and 220 gram records.

This damper usage is a guideline and we encourage experimentation. Understand that the principle being employed involves deforming the record to achieve pressure at its outer edge while damping the energy in the record. The record can withstand this without yielding or permanently changing shape. However if you use the higher rate compression dampers on thinner records you may cause stress cracks to occur about the center spindle hole. This will be noted by a ticking or popping when clamping the record. These cracks are harmless and do not propagate. If you are concerned about this be careful when using the dampers to not combine a high compression damper with a standard record as cracking may occur.

Records should not be left clamped for any period beyond actual playback.

Using the Quick Change Tone Arm Mount

To remove and replace the tone arm mount you need to follow the steps defined below.

- 1) Remove one of the plugs in the platter. Use the supplied plastic straight blade tool.
- 2) Align this hole centered above the tone arm mount. Insert the 5/32" T-Handle wrench and loosen the fastener by turning counter clockwise. **THIS FASTENER CANNOT BE REMOVED.** It is designed to be loosened slightly (one turn) only and is spring loaded.
- 3) Remove the 2) fasteners behind the encoder cover, in front of your tone arm mount, using the 3/16" T-Handle provided.
- 4) Gently remove the arm mount by pulling straight out.
- 5) Gently install the arm mount by pushing straight in.
- 6) Perform steps 3 – 1 to secure the arm mount.

NOTE: The chamfers on the front of the arm mount indicate the top of the mount.

Cleaning and Maintenance

The Parabolica turntable can be treated as a fine automobile. Its carbon fiber plinth is coated with a PPG Industries automotive clear coat.

The plinth, platter, and feet can be cleaned with gentle soap and water, Enddust etc. they can also be waxed occasionally but this is not necessary.

The platter of your Parabolica should be cleaned with clean water or gentle soap and water. It can be cleaned during usage with a carbon fiber record brush same as a record.

If the platter becomes heavily covered with dust it should be gently wiped with a soft cloth (as supplied) or dusting accessory. Then wipe with a damp cloth and dry with a soft cloth.

There is no required maintenance to the Parabolica.

TROUBLESHOOTING

There are not many things that can go wrong with the Parabolica. This section will be updated over time and updates issued as technical bulletins. Your Parabolica's warranty registration form provides the mechanism to send these technical bulletins as they become available. Thus, please properly follow the warranty registration of the product to ensure receipt of all technical bulletins and update notices.

Symptom

Solution

Non operation

Power down the computer by unplugging the power supply. Disconnect the power supply cable. Reinsert the power supply cable taking care to ensure full insertion. Restart the turntable as normal.

The platter does not rotate.

Be sure the platter is not in motion when trying to start the unit.
OR
Repeat procedure above.