



Dear customer thank you for purchasing a New Horizon record player which will give you an endless listening pleasure!

Please read this page carefully before operating your unit.

The deck is supplied partially disassembled and carefully packaged for safe transport.

Carefully remove all parts from the transport packaging. Please keep the packaging for future transport.

**WARNING: DON'T TURN UPSIDE DOWN THE TURNTABLE !**

**Package contents:** turntable, owner manual (this one), cartridge alignment sheet, platter, silicone belt, power supply, interconnection signal cable, three counterweights, anti-skating weight, dust cover, two specific accessories for the tonearm tuning.

**Footpads:** gently remove the turntable from the packaging, place the turntable in the chosen location. Use the adjustable footpads to check that the turntable is perfectly level.

**Dust Cover:** Remove the protective plastic films slowly and gently. Use only a smooth cloth to clean the surface. Do not use abrasive and/or aggressive cleaning products.

**Platter:** pull out the platter from the bottom of the box and remove the protective plastic films by hands, slowly and gently, to avoid any damage to the methacrylate platter.

**Transmission belt:** switch the motor off. Fit the drive belt around the platter and the smaller diameter part of the motor pulley (33 1/3 rpm) or the bigger diameter of it (45 rpm).

**Interconnection Cables:** the record player has gold plated female RCA phono sockets. Take care to connect the left and right channels correctly. The right channel is usually marked red, the left channel black or white. The naked earthing wire should be connected to the earth terminal on your amplifier. **Note: your amplifier should be able to connect to a MM pick up cartridge.**

**Main Power:** switch Off the turntable. Check the label above the power supply before connecting it to ensure compliance with the mains rating in your house. Connect the low voltage plug from the power supply to the socket on the rear of the record player and then connect the power supply to the mains.

**AT-3600L cartridge:** The supplied cartridge is already aligned for the best performance, just set the right reading weight. (downforce adjustment) Use the counterweight number 02. and set the weight at 3 gr.  $\pm 0,5$ .

**Cartridge downforce adjustment:** The counterweights supplied are suitable for cartridges weighting between 2 - 14g. Take the counterweight and, pushing carefully, turn the counterweight onto the rear end of the tonearm tube so that the downforce scale shows towards the front of the player. If you need to change it, turn the counterweight out of the rear end of the tonearm and pull gently. Cartridge has to be already fixed correctly on the headshell, don't install the anti-skating weight. Lower the armlift and position the cartridge in the space between arm rest and platter. Remove the cartridge protection cap if fitted. Carefully rotate the counterweight until the armtube correctly balances out. Take your time.

Hold the counterweight without moving it, and gently revolve the downforce scale ring until the zero is in line with the anti-skating stub. Check whether the arm still balances out. Rotate the counterweight counter clockwise (seen from the front) to adjust the downforce according to the cartridge manufacturer's recommendations. One mark on the scale represents 1 mN (= 0,1g / 0,1 Pond).

**Tuning tonearm and cartridge:** The full sound quality of the record player can only be achieved if the tonearm and the cartridge are correctly adjusted. Following instruction may help. Take the greatest care in order to avoid damaging the cartridge. If you are, in any way, unsure of the necessary steps and precautions to be taken or not well acquainted with the adjustment, please you are advised to call upon the willing help of your New Horizon dealer to accomplish this task for you.

**Fixing and connecting the cartridge:** All cartridges with standard 1/2 inch mounting holes can be fitted. Leaving the needle's protection cover on, fix the cartridge to the headshell using the screws supplied with the cartridge. Do not tighten the nuts yet.

Connect the tonearm wires to the cartridge pins as follows:

° white wire - left channel positive (L+)                      ° red wire - right channel pos. (R+)  
° blue wire - left channel return (L -)                         ° green wire - right channel return (R -)

**Cartridge Alignment:** Please use the New Horizon alignment tool in order to accomplish this job properly.

**Vertical Tracking Alignment:** Place a record on the platter and place the stylus on the record. The metal ring at the base of the arm accommodates two grains that secure the support of the arm itself. Loosen them with the supplied hex wrench and adjust the height of the support until the barrel of the arm is parallel to the surface of the disc. Remember to re-tighten the screws applying finger force only.

**Anti-skating force adjustment:** The anti-skating force must be adjusted following the suggestion of the characteristics provided by the cartridge manufacturer, corresponding to the downforce as follows:

Downforce Groove in the stub

**10 - 14 mN 1st groove** from bearing rings                      **15 - 19 mN 2nd groove** from bearing rings                      **> 20 mN 3rd groove** from bearing rings

To set the correct anti-skating force, slip the loop of the anti-skating weight's thread over the groove of the stub and then feed the thread through the loop of the wire support.

**Adjusting the azimuth:** The cartridge needle must be vertical in the record groove in order to trace the groove wall modulations correctly. With the aid of a good magnifying glass, put the cartridge on the grooves and have a look. (Correct: your needle has to be exactly perpendicular to the cartridge body and perpendicular to the record's surface) There's a small screw at the bearing end of the arm, with the proper tool, slacken off the screw just enough to be able to revolve the arm tube without applying force. Do not remove the screw completely! When you are satisfied that the needle is vertical retighten the screw carefully.

Please note: Under no circumstances should the arm tube be adjusted with the needle still in the record groove! Irreparable damage may be caused to the cantilever suspension! The arm must be lifted to make each adjustment and lowered afterwards to check it.

**Playing a record:** place the vinyl disc on the platter, start the turntable then engage the tonearm lift by lifting its lever, position the pick-up cartridge over the run-in groove or the desired track and lower the tonearm lift.

**Enjoy your listening!**

