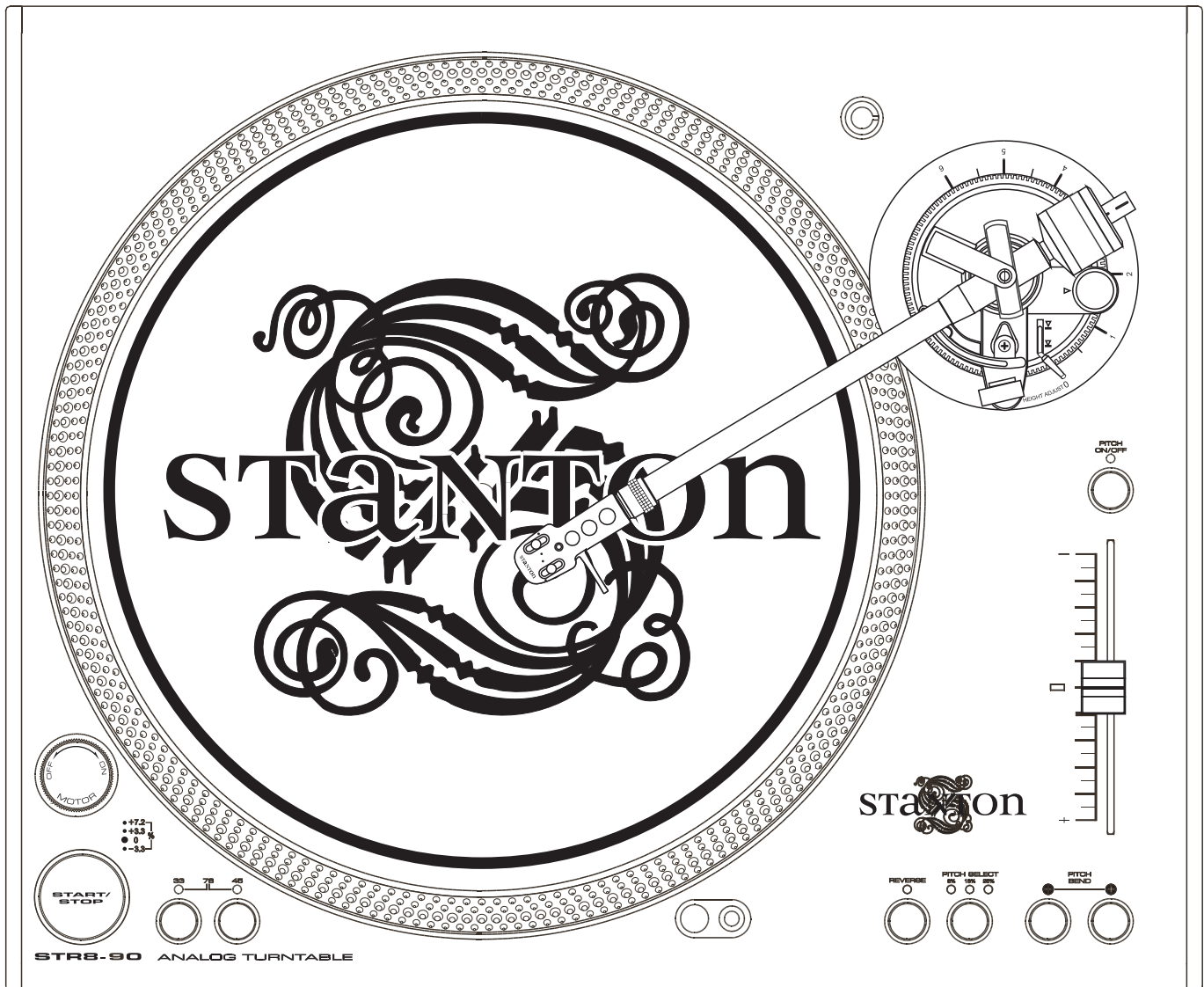


STANTON

STR8-90

Professional DJ Turntable



OWNER'S MANUAL

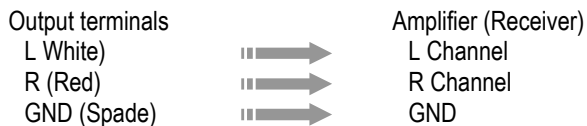
ASSEMBLY

Remove all the parts from the box. Please check to make sure the following items are included with the main unit in the carton:

- (1) Operating instructions
- (2) Platter
- (3) Slip mat
- (4) Counterweight
- (5) 45-rpm adapter
- (6) Headshell
- (7) AC cord
- (8) Connecting cord
- (9) Cartridge

CONNECTIONS

1. Connect the power cord to the auxiliary power outlet on the rear panel of your amplifier or receiver or to a household AC outlet.
2. Connect the unit output terminals to the PHONO jack of your amplifier or receiver.



NOTE:

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

TONE ARM AND CARTRIDGE SETTINGS

The major cause of problems in sound and skipping on the vinyl is the lack of proper set up of the needle and turntable adjustments. The needle is designed to operate at a specific angle to the vinyl. The str8-90 has several adjustments to correctly position the needle to the vinyl.

The first adjustment is the correct installation of the cartridge.

Your cartridge is to be mounted into the headshell as per the mounting instructions included with the cartridge. The Stanton 500,680 and 890 series of cartridges require the use of the two screw mounting into the headshell. For your convenience, some of these products can be purchased already mounted and pre-adjusted from your local Stanton dealer. If you are using these 1/2" mounted products with a headshell in a mobile application or you are doing heavy scratching, May want to use an extra shell weight. The Master series of products (Trackmaster, Groovemaster, etc.) are designed with their own mounting that eliminates the need for a separate headshell and the wiring to the cartridge.

The body of the cartridge should be parallel with the centerline of the headshell-tone arm, when viewed from the front to the back.

The second adjustment is at the installation of the cartridge-head-shell assembly into the tone arm tube lock.

Holding the tone arm tube in one hand, insert the cartridge-headshell into the tube lock with the other hand. Turn the lock ring clockwise (when viewed from the rear) until the headshell is locked tightly into the tone arm. Remove the needle protector from the cartridge and place the needle on record. View the needle from the front and insure that the needle is perpendicular to the record surface. If some adjustment is needed, simply loosen the lock ring and rotate the cartridge-headshell until the needle is perpendicular to the record surface. Then re-tighten the lock ring.

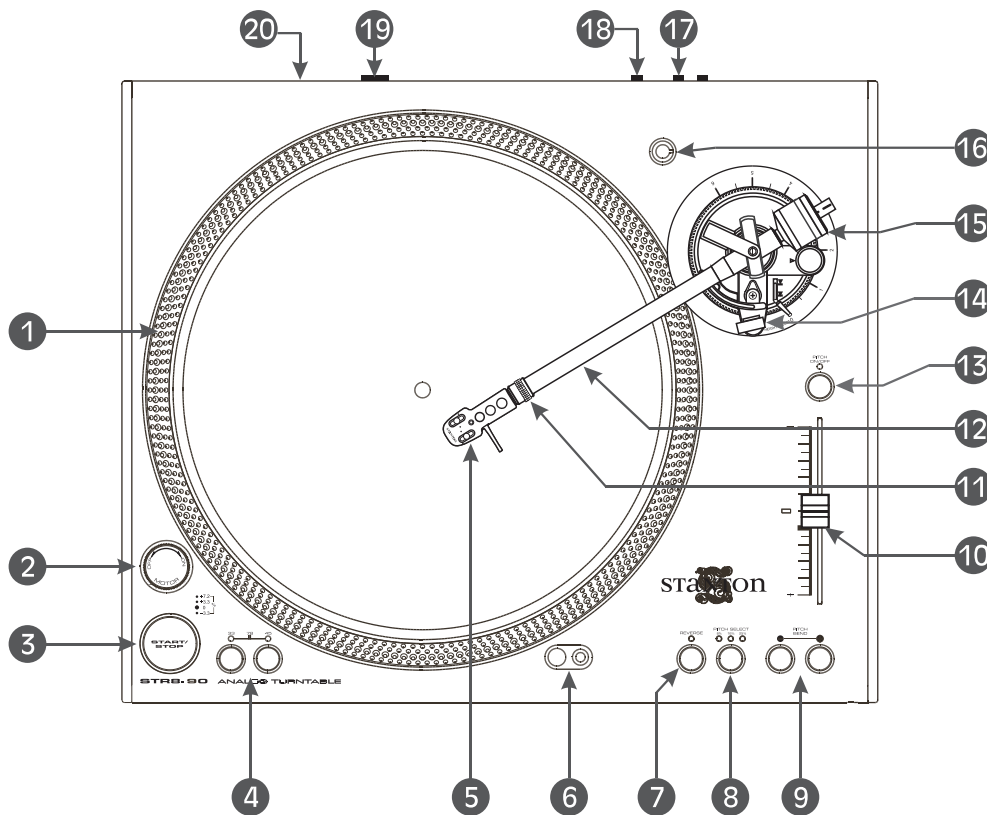
The third adjustment is the needle (or stylus) pressure.

Start with the cartridge-headshell assembly mounted into the tone arm. Remove any needle protectors provided. With tone arm free, adjust the tone arm counterweight by rotating the rear section until the tone arm floats in a balanced condition above the record or mat. Do not allow the needle to drop onto the mat or the turntable platter during this adjustment. You might damage the needle tip. Now, carefully hold the tone arm in one hand while rotating the numbered ring on the front of the counter-weight with the other hand to the "0" setting. Next, without touching the numbered ring, Rotate the rear counterweight until the desired needle pressure reading is next to the line on top of the tone arm tube, See the instructions. Included with your cartridge for proper settings.

The fourth and last adjustment is that of the tone arm height.

This will set the tone arm pivot and needle relation with the vinyl. Unlock the tone arm base located in the base of pivot assembly. Rotate the height adjust ring in the pivot base to read the correct setting for the height of the cartridge that you are using. Check the cartridge/arm height table for the correct setting. Be certain to re-lock the pivot base when adjustment is completed.

PART NAMES & FUNCTIONS



1) STROBE DOTS

The dots around the edge of the platter are used in conjunction with the light located inside the motor ON/OFF switch. While the platter is in rotation, the dots help to indicate the speed of rotation. The speed is lower than the displayed speed (33,45,78) when the dots are flowing to the right. It is higher than the displayed speed (33,45,78) when the dots are flowing to the left. When the strobe is stopped, the platter is rotating at the displayed speed.

2) MOTOR ON/OFF SWITCH

As opposed to analog turntables, this is not the power switch. This switch only turns on or off the motor. Rotate clockwise to turn on the motor. The platter will not start spinning until the start/stop button has been pressed. Rotate counter-clockwise during playback (off position) for a slow winding down effect.

3) START/STOP

Press this button to start or stop the platter.

4) PLATTER REVOLUTION SPEEDS (rpm)

33 rpm – Press 33
45 rpm – Press 45
78 rpm – Press 33 and 45 buttons simultaneously. To return to 33 or 45-rpm play mode, just press the desired button.

5) HEADSHELL

When installing a phonograph cartridge, refer to the installation instructions supplied by the cartridge manufacture.

6) TAGRET LIGHT

Press the button to light up the stylus. To retract the light, press down on the light itself.

7) REVERSE

This button is used to reverse the direction of the platter rotation.

8) PITCH SELECT

Press the button to switch between +/-8%, +/-16%, or +/-25% pitch range.

9) PITCH BEND

The pitch will increase/decrease by up to 6% while the pitch bend minus button is pressed.

10) PITCH SLIDER

Use this to change the speed of the platter when the PITCH button is lit.

11) HEADSHELL LOCKING NUT

Attach the headshell by inserting into the front end of the tone arm, then turn the locking nut clockwise with the head shell firmly held horizontally.

12) TONE ARM

This is a fully manual tone arm. To start playback, gently place the stylus on the record using the headshell finger support. Do not drop the stylus onto the record as it may cause damage to the diamond tip and to the record.

13) PITCH ON/OFF

The ON setting will allow use of the pitch adjust. When set of OFF, the pitch control will be locked at 0%.

14) TONE ARM BASE

The tone arm base includes the height adjustment, tone arm rest. See "tone arm and cartridge settings" for proper adjustments. Note: No Anti-Skate is needed on straight tonearms.

15) COUNTERWEIGHT

Use this to balance the tone arm and to adjust the stylus pressure.

16) HEADSHELL HOLDER

This is used to place extra headshell during a performance for quick access.

17) OUTPUT

This is the standard analog output (RCA jacks) which can be connected to a phono input on any DJ mixer.

18) GND

Ground wire connection post

19) POWER SETICH

This switch turns the power on or off, including the motor and audio signal.

20) POWER CORD CONNECTOR

Used to connect the included power cord.

SCRATCH PROTECTION

The STR8-90 includes a pair of rubber protectors. These were designed to protect the turntable's rounded aluminum edges from the mixer while scratching. When the turntables are placed sideways, the round edges of the turntable may come in contact with the mixer's rack ears causing damage to the turntable body. Placing the rubber protectors on the mixer rack ears (see picture) will prevent the turntable from getting scratched.



WARRANTY

This unit has been designed and manufactured using quality components. Therefore, it is warranted to be free from defects in materials (limited as specified below), and workmanship for a period of twelve (12) months from the original purchase date. During this period, all service and parts necessary to repair a defect will be free of charge. This limited warranty applies to mechanical parts which are subject to wear and tear as specified: Faders, specified durability: 50,000 cycles; 10,000 cycles; Switches, specified durability: 10,000 cycles. Consequently, the parts listed above are warranted to be free from defects in materials and workmanship for a period of thirty days (30) days from the original purchase date.

Note: For the warranty to be valid, please complete the online warranty registration form found at www.stantonmagnetics.com.

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SPECIFICATIONS

TURNTABLE SECTION

Starting Torque:	More than 2.2kgf.cm
Motor:	16pole, 3phase, brushless DC motor
Platter:	330mm dia. Aluminum diecast
Pitch:	+/-8%, +/-16%, +/-25%
Brake:	Electronic brake

TONE ARM SECTION

Tone arm type	Static balanced straight tonearm with Cardan suspension
Effective Arm Length	191mm
Tracking Force Adjust Range	0-4g
Applicable Cartridge Weight	6-10g
Frequency Response	20 - 20 kHz
Channel Separation	More than 15 dB
Channel Balance	Within 2.5dB at 1 KHz
Wow & Flutter:	Less than 0.20% WRMS (JIS WTD) with 33 1/3rpm
S/N ratio:	More than 50dB (DIN-B)
Needle Pressure range	1.5-2g

GENERAL SPECIFICATIONS

Dimensions:	450(W) x 370 (D) x 140 (H)mm 17-3/4" x 14-5/8" x 5.5" (WxDxH)
Weight:	9.9Kg (21.8 lbs.)
Power supply:	AC 100V, 50/60Hz
Power consumption:	12W

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