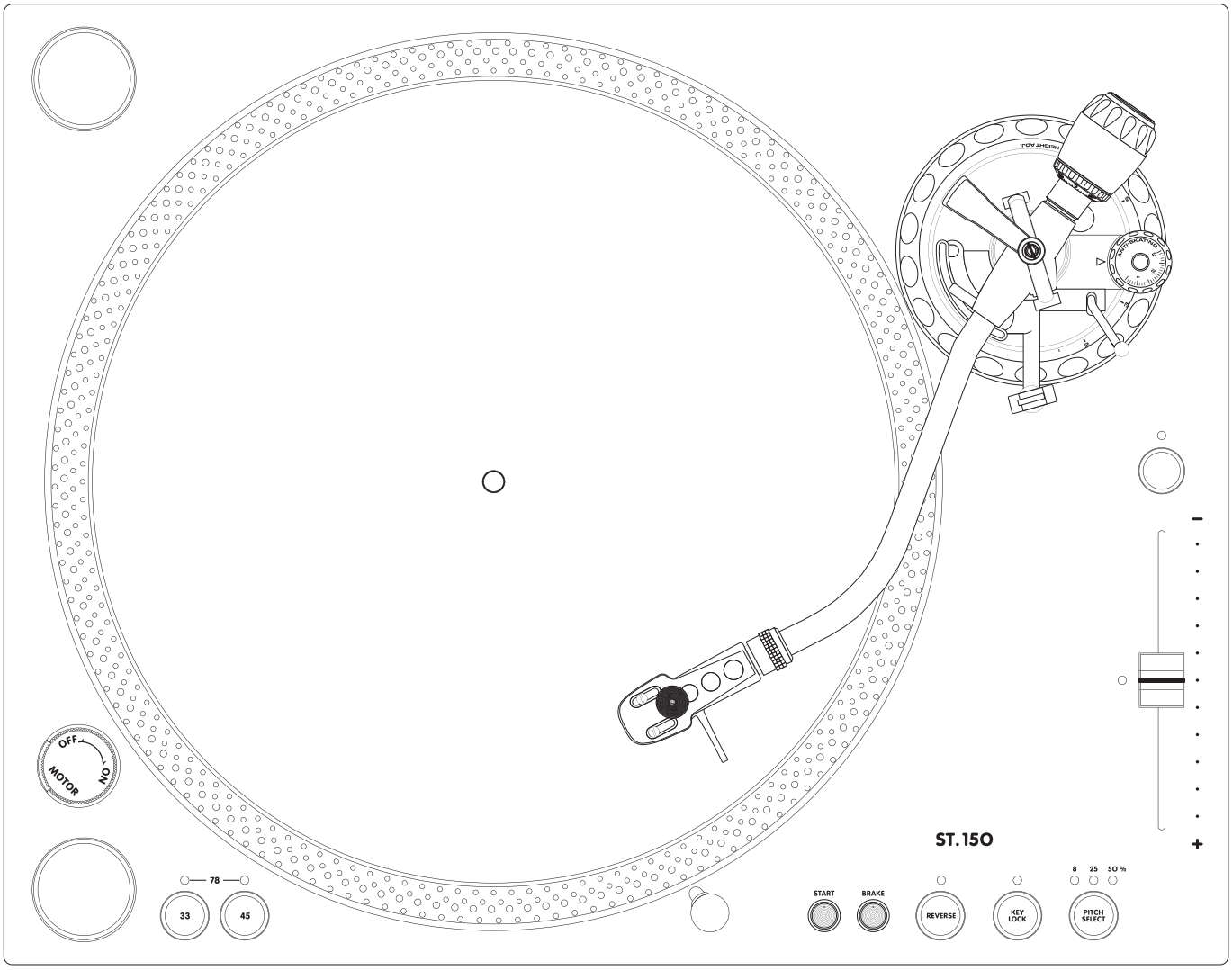
ST.150 DIGITAL TURNTABLE



OWNER'S MANUAL

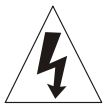
IMPORTANT SAFETY INSTRUCTIONS

1. Read these Instructions – All the safety and operating instructions should be read before this product is operated.
2. Keep these Instructions – The safety and operating instructions should be retained for future reference.
3. Heed all Warnings – All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow all Instructions – All operating and use instructions should be followed.
5. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturer.
   An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

7. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
9. ***Power Sources – This product should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer the operating instructions.***
10. Grounding or Polarization – This product may be equipped with a polarized alternation-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
11. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the cord in correspondence of plugs, convenience receptacles, and the point where they exit from the appliance.
12. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
    Clean by wiping with a cloth slightly damp with water. Avoid getting water inside the appliance.
13. For AC line powered units – Before returning repaired unit to user, use an ohm-meter to measure from both AC plug blades to all exposed metallic parts. The resistance should be more than 100,000 ohms.
14. Non-use Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
17. Servicing – The user should not attempt any service to the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.
18. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is the manufacturer's instructions have been adhered to.
19. Attachments – do not use attachments not recommended by the product manufacturer as they may cause hazards.
20. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

IMPORTANT SAFETY INSTRUCTIONS

21. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: To reduce the risk of electric shock, do not remove any cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.

The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the use to the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

CAUTION
To prevent electric shock, do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

- This device complies with Part 15 of the FCC Rules Operation is Subject to the following two conditions (1) This device may not Cause harmful interference, and (2) this device must accept any Interference received. Including interference that may cause Undesired operation.
- This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
- Unauthorized modification of this unit may cause it to no longer comply with FCC regulations and void your authority to use this device.
- Cet appareil numérique de la classe B respecte toutes les exigencies du Rèsur le materiel brouilleur du Canada.

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) Platter
(2) Slip mat
(3) Counterweight
(4) 45-rpm adapter
(5) 680HP Cartridge and Headshell
(6) AC cord
(7) RCA cable
(8) Target light
(9) Operating instructions

CONNECTIONS

1. Connect the power cord to an AC outlet.
2. Connect the RCA cable to the PHONO input of your mixer. You can also use a line input by setting the phono/line switch at the rear of the turntable to Line.

Note: This turntable has separate analog and digital circuits. If you are looking for a purely analog signal, use the Phono output. For access to the Key correction feature use the Line output or S/P DIF output.

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 ST-150 has several adjustments to correctly position the needle to the vinyl.

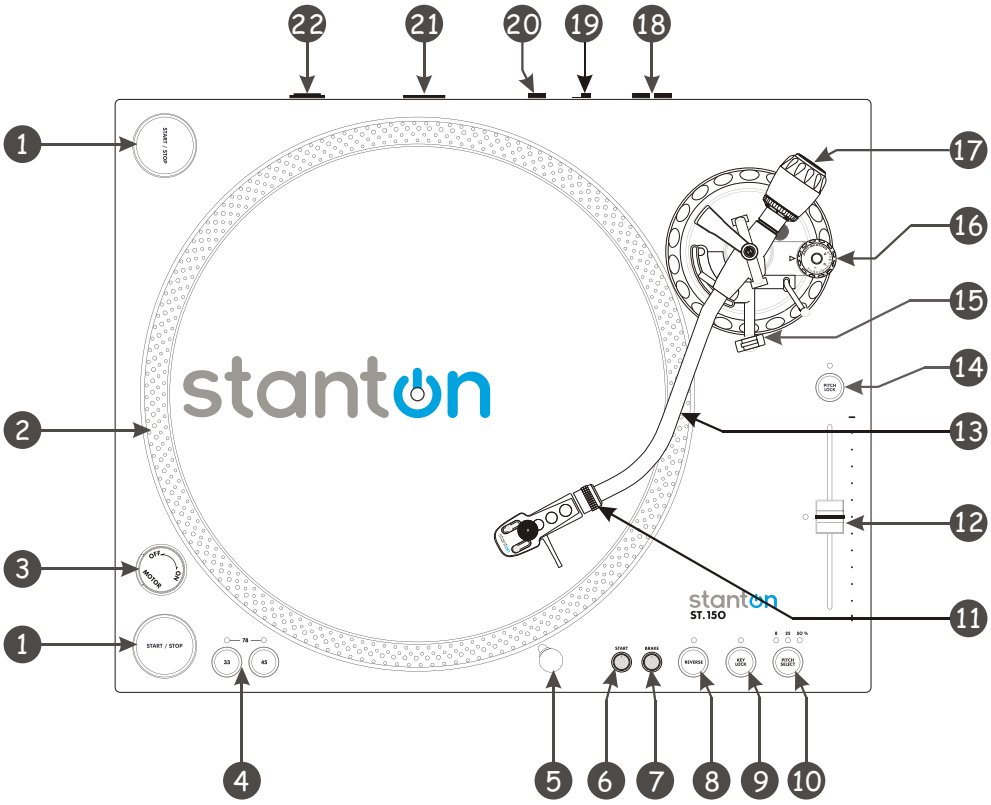
The first adjustment is the correct installation of the cartridge.
Your cartridge is to be mounted into the headshell as pre the mounting instructions included with the cartridge. The Stanton 500,680 and 890 series of cartridges require the use of the two screw mounting into the headshell. For your convenience, 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 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) START/STOP
Press this button to start or stop the platter.

2) 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.

3) MOTOR ON/OFF SWITCH
As opposed to fully 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.

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) TARGET LIGHT
Insert target light to the deck and it will light up..

6) START
The Start time is adjustable from 0.2~6 sec.

7) BRAKE
The Brake time is adjustable from 0.2~6 sec.

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

9) KEY LOCK
Press to enable key lock. When key lock is on, the pitch slider will only affect the speed of the platter. The key (tone) will remain at 0%
Note: Key lock processing is only available when the LINE output is used.

10) PITCH SELECT
Press the button to switch between +/-8%, +/-25%, or +/-50% pitch range.

11) HEADSHELL LOCKING NUT
Attach the headshell by inserting into the front end of the tone arm. Turn the locking nut clockwise with the head shell firmly held horizontally.

12) PITCH SLIDER
The pitch slider is used to speed up or slow down the turntable platter.

13) 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.

14) 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%.

15) TONE ARM BASE
The tone arm base includes the height adjustment and tone arm rest. See ìtone arm and cartridge settingsî for proper adjustments.

16) ANTI SKATE KNOB
When a record is playing, a force is generated drawing the stylus towards the center of the record. Set this knob to the same value as the stylus pressure to offset this force.

17) COUNTERWEIGHT
Use this to balance the tone arm and to adjust the stylus pressure. See ìtone arm and cartridge settingsî for proper adjustments.

18) LINE OUT L & R
This is the standard analog output (RCA jacks) which can be connected either to a phono or line input on any DJ mixer, depending on the setting of the phono / line selector.
Note: Key lock processing is only available when the LINE output is used.

19) PHONO/LINE SWITCH
Note: Key lock and Digital output processing is only available when the LINE output is used.

20) DIGITAL OUT
Use this output to connect your ST-150 to any SPDIF in equipped digital device such as a CD-R or Computer.

21) POWER CORD CONNECTOR
Used to connect the included power cord.

22) POWER SWITCH
This switch turns the power on or off, including the motor and audio signal.

SPECIFICATIONS

TURNTABLE SECTION

Starting Torque:	More than 4.5kgf.com
Motor:	16pole, 3phase, brushless DC motor
Platter:	332mm dia. Aluminum diecast
Pitch:	+/-8%,+/-25%,+/-50%
Brake:	Electronic Brake

TONE ARM SECTION

Tone arm type	Static balanced S -shaped tonearm straight with detachable headshell
Effective Arm Length	230mm
Tracking Force Adjust Range	0-3g
Applicable Cartridge Weight	13-18g
Frequency Response	20 - 20 KHz
Channel Separation	More than 15 dB
Channel Balance	Within 2.5dB at 1 KHz
Wow & Flutter:	Less than 0.1% WRMS (JIS WTD) with 33 1/3rpm
S/N ratio:	More than 60dB (DIN-B)
Needle Pressure range	2-5g

GENERAL SPECIFICATIONS

Dimensions:	450(W) x 353 (D) x 146 (H)mm
Weight:	16.4Kg
Power supply:	Single Voltage: AC 100V, 50Hz (For Japan) AC 110V, 60Hz (For Taiwan) AC 120V, 60Hz (For U.S.A.,Canada,Mexico) AC 220V, 50Hz (For United Arab Emirates,Chile,Argentina) AC 220V, 60Hz (For Philippines) AC 230V, 50Hz (For Europe,New Zealand,South Africa,Singapore,Israel) AC 240V, 50Hz (For Australia,U.K.)
Power consumption:	14W

Stanton Magnetics, Inc. – Warranty Provision – Returns for Repairs or Replacement

WARRANTY

Through Stanton's authorized dealers around the World, Stanton, or one of Stanton's authorized distributors outside the U.S., will, without charge, repair or replace, at the sole discretion of the entity responsible for making the repair or providing the replacement, any Stanton merchandise proved defective in material or workmanship for a period of one (1) year following the date of original purchase. Exceptions to this warranty are as noted below:

The warranty for mechanical parts which are subject to wear and tear are limited to the earlier to occur of thirty (30) days following the date of original purchase or the following number of cycles: Faders - 15,000; Rotary potentiometers - 10,000; and Switches - 10,000.

Stanton will warrant all replacement parts and repairs for ninety (90) days from the date of original shipment. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

RETURNS

Authorized Stanton dealers are only authorized to sell and distribute merchandise within a specific country. All goods requiring warranty repair or replacement must be returned (freight prepaid if not hand-delivered) to the authorized Stanton dealer from whom the merchandise was purchased and in the same country where the merchandise was purchased. For purposes of purchases made via the Internet, the merchandise must be returned to the authorized Stanton dealer in the country where the authorized Stanton dealer which sold the merchandise to purchaser is located and not the authorized Stanton dealer in the country where the purchaser is located or the country in which the merchandise was received. Any returns to a non-authorized dealer or to an authorized Stanton dealer not in the same country as the merchandise was intended to be sold or as set forth above will void this warranty.

To initiate a warranty repair, you must contact the authorized Stanton dealer from whom you purchased the merchandise, and follow such authorized Stanton dealer's return policy.

Stanton assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the merchandise. Stanton's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party, or product liability, and relating to the merchandise shall not exceed the price received by Stanton from your purchase of such merchandise. In no event will Stanton be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Stanton or otherwise. To the extent permitted by law and except as otherwise provided above, Stanton disclaims any express or implied warranties of merchantability or fitness for a particular purpose.

The above warranty provides you with specific legal rights. You may also have additional rights, which are subject to variation from state to state and country to country.

If there is a dispute regarding the warranty of merchandise that does not fall under the warranty conditions stated above, please include a written explanation with the merchandise when returned pursuant to the terms and conditions set forth herein.

Please register your product online at www.stantondj.com or mail your completed warranty card to:

Stanton Magnetics, Inc, 3000 SW 42 St. Hollywood, Florida 33312.

Ground lift Operation

Due to the variety of power sources available to the DJ, Stanton has included a ground lift switch to be used on the ST- 150/STR8-150 turntables. This will allow the DJ to have the capability of changing the grounding scheme of the phono cartridge to avoid ground hum that may occur when using the turntable. The ST-150/STR8-150 Turntable has been designed to operate with third pin safety ground, and should always be used when available. NEVER REMOVE THIRD PIN GROUND FROM THE POWER CORD PROVIDED, IF NECESSARY, USE THE APPROPRIATE ADAPTER FOR PLUGGING INTO OUTLETS WHICH DO NOT PROVIDE THIRD PIN GROUND TERMINALS.

For best operation of the ground lift, the following rules should be applied

When third pin safety ground is used, set the ground lift switch to the lift position. This position will isolate the cartridge ground from connection to earth ground.

When third pin safety ground is unavailable, set the ground lift switch to the connected position. This will place the cartridge ground in connection with the chassis ground, but since third pin grounding is not used, the cartridge ground will not be in connection with earth.

cut along dotted line

STANTON WARRANTY REGISTRATION CARD

If you have internet access, please register your product at www.stantondj.com. Otherwise, return this card completely filled out in order to validate your warranty.

PERSONAL INFO

Name

Address

City **State** **Zip**

Country

Telephone

PRODUCT INFO

Model Number

Serial Number

Date of Purchase

Where did you buy this product?

PLACE
STAMP
HERE

Stanton Magnetics, Inc.
3000 SW 42nd Street
Hollywood, FL 33312
U.S.A.