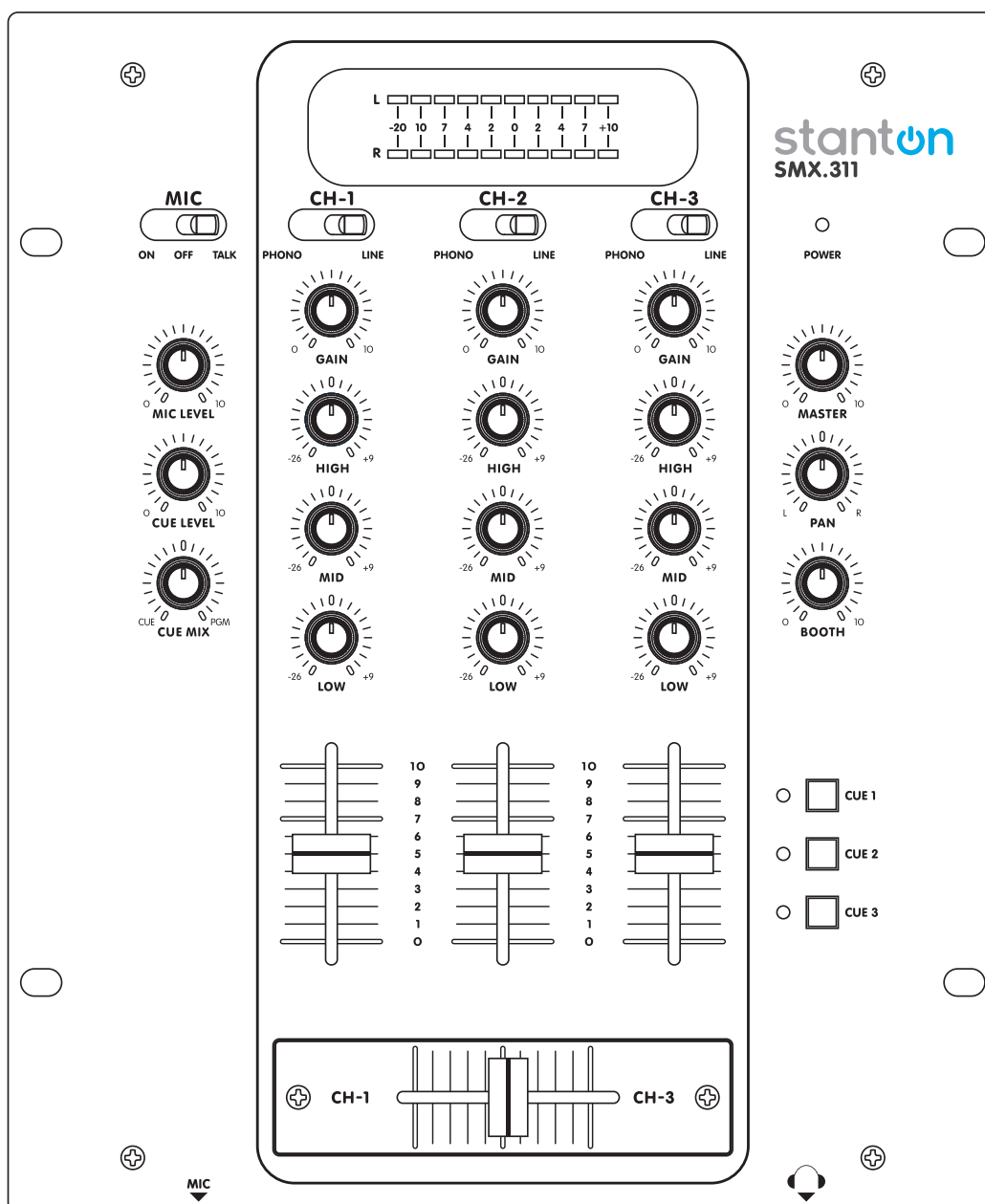


stanton

SMX.311

PROFESSIONAL TABLE TOP CD MIXER



Important Safety Instructions

1. **Read Instructions** – All the safety and operating instructions should be read before this product is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Water and Moisture** – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. **Heat** – Appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. **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.
8. **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.
9. **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.
10. **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.
11. **Non-use Periods** – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
12. **Object and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
13. **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.
14. **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.
15. **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.
16. **Attachments** – do not use attachments not recommended by the product manufacturer as they may cause hazards.
17. **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.
18. **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.
19. **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 conditions.
20. **This product is in compliance with EU WEEE regulations.** Disposal of end of life product should not be treated as municipal waste. Please refer to your local regulations for instructions on proper disposal of this product.
21. **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.
22. The appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



WARNING

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Ensure that the apparatus is not exposed to splashing and that no objects filled with liquids, such as vases, are placed on the apparatus.



CAUTION
DO NOT OPEN
RISK OF ELECTRIC SHOCK



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



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product enclosure that may be significant enough 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.

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1. Introduction

1.1 Welcome to the SMX.311!

Thank you for purchasing the SMX.311.

Before starting, please check that you have received the following items:

- SMX.311 unit
- AC Adaptor
- User Manual

Now that you have checked that everything was included in the box, let's talk about the SMX.311.

1.2 Overview

The SMX.311 is a compact 3-channel mixer that offers high-end performance at a low cost. With features like balanced outputs, booth out, replaceable crossfader, and microphone talkover, the SMX.311 is ready for duty in the club, studio, or mobile gig. In addition, the SMX.311's functionality is wrapped in a rugged, all metal inner chassis enclosure with a striking black and gray color scheme.

Let's summarize the main SMX.311 features:

- Individual Low, Mid, High
- Master, Booth Outs
- 3 Line, 3 Phono, 1 Microphone input
- Balance L + R Volume Control
- 20 Segment Bright LEDs
- Grounding terminal

Ok, now that we've covered the SMX.311 basics, let's get started!

2. Quick Setup Diagram

Review this setup diagram. (Figure 2.1) Make sure all faders are at "zero" and all devices are OFF. First, connect all input sources and processors. Next, connect your microphone and monitor headphones. Finally, connect the stereo outputs to the power amplifier(s) and/or audio receivers such as tape decks. Plug your mixer into AC power. Now you are ready to switch everything ON.

Important: Always switch ON your audio input sources such as turntables or CD players first, then your mixer, and finally any amplifiers. When turning OFF, always reverse this operation by turning off amplifiers, then your mixer, and then input devices.

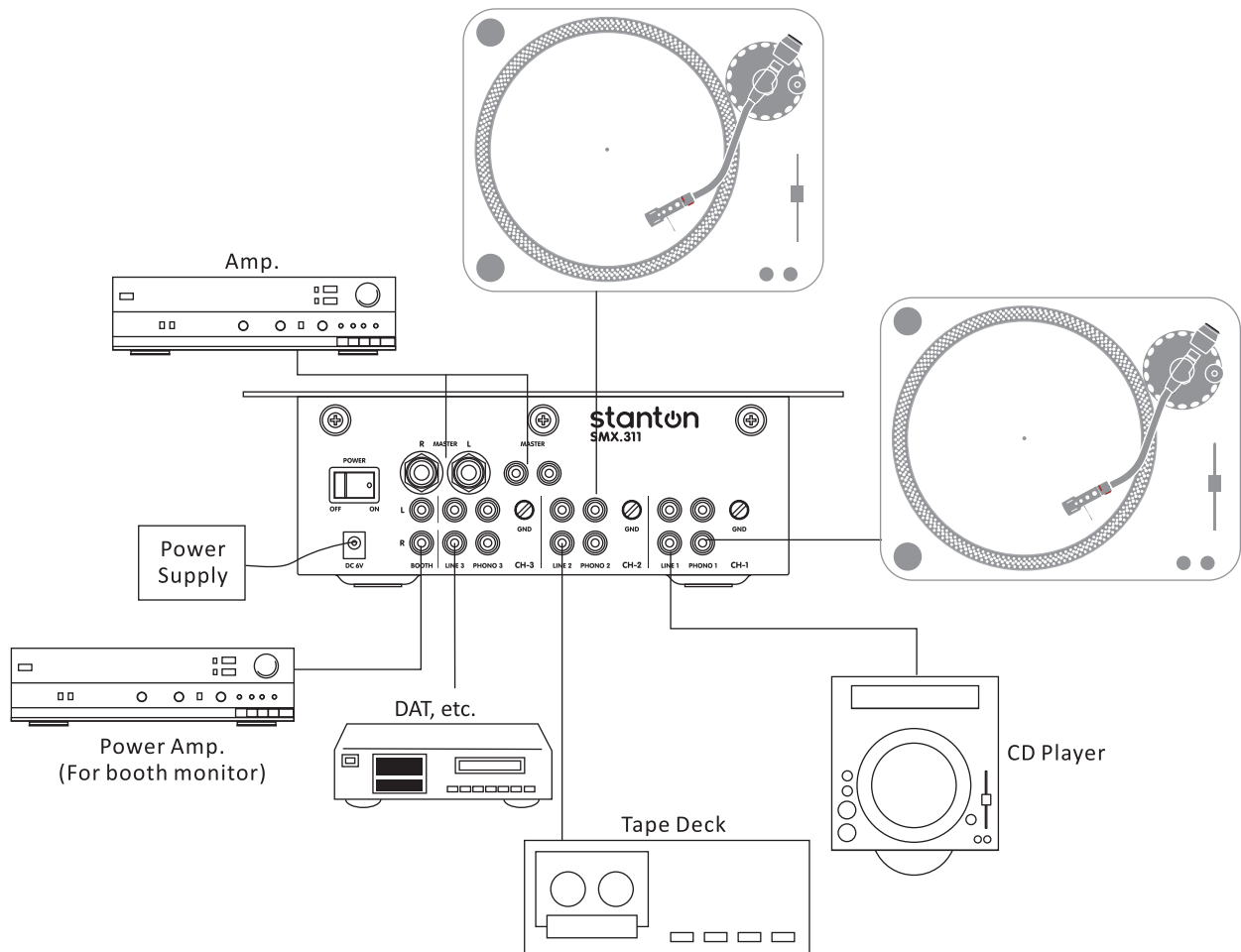


Figure 2.1

3. SMX.311 Description

3.1 Top Panel (Figure 3.1)

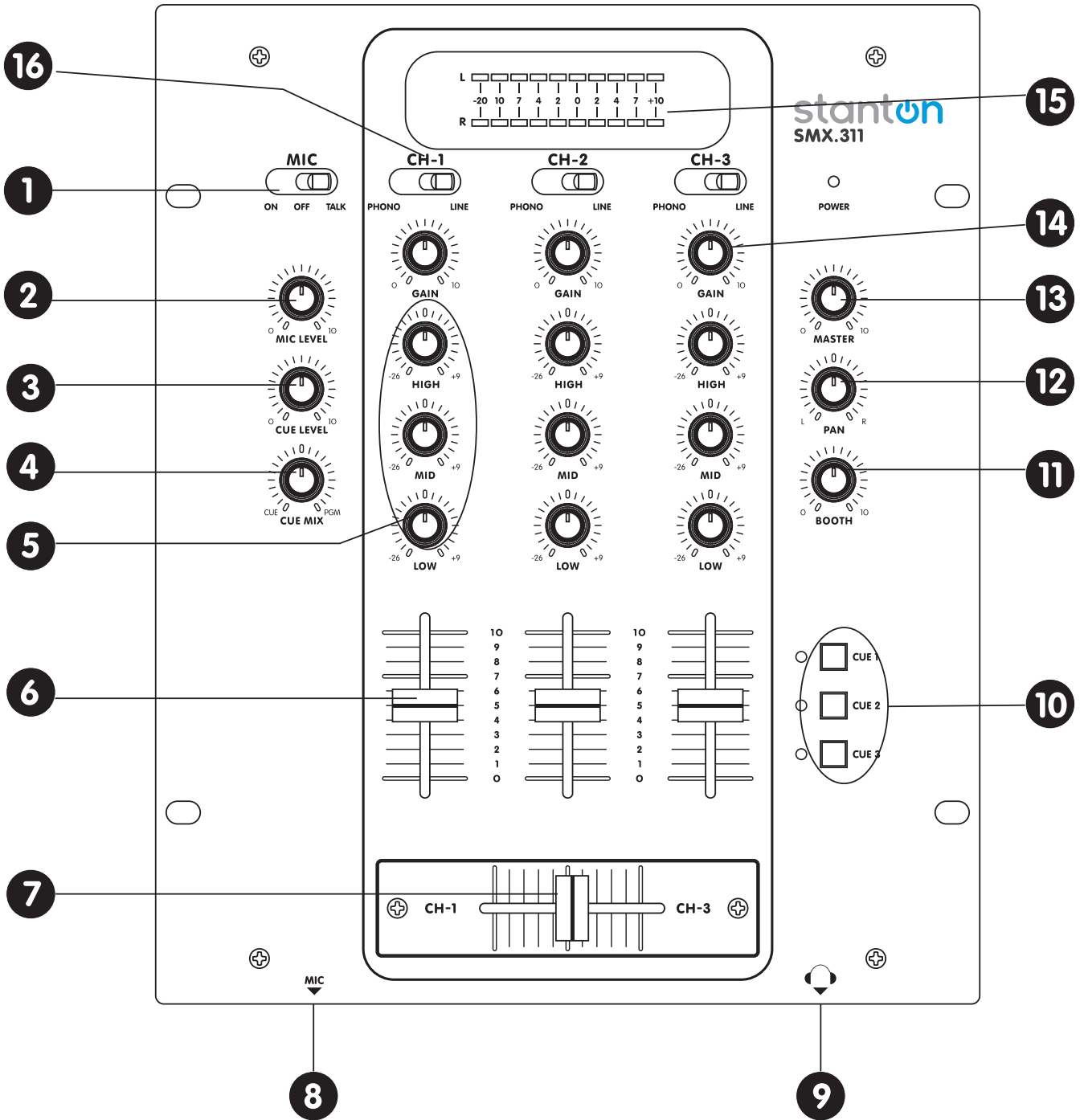


Figure 3.1

- 1. Mic ON/OFF/TALK Switch:** Turns the Mic ON or OFF. When the switch is in the TALK position, the mixer's sound level will decrease around 14 dB (except the Mic channel) so that the microphone is more clearly heard over the music.
- 2. Mic Level:** Adjusts the microphone input level.
- 3. Cue Level:** Adjusts the headphone volume output level.
- 4. Cue Mix:** Allows you to preview channel audio to your headphones. Listen here before bringing up channel faders or moving the crossfader.
- 5. Channel EQ:** Adjusts the HI, MID, and LOW frequency levels of the Phono or Line input. Range: -26 dB to 9 dB.
- 6. Channel Fader:** Controls the output level of the selected input (Phono or Line).
- 7. Crossfader:** Controls the audio signal that is sent to the outputs. When the Crossfader is set to CH-1 (hard left), only channel 1 (Phono or /Line) will be sent to the outputs and when is set to CH-3 (hard right), only channel 3 (Phono or /Line) will be sent to the outputs. If the Crossfader is centered, both channels will be sent to the outputs. Channel 2 is not affected by the crossfader.
- 8. Mic Input:** Connect a standard unbalanced (1/4") microphone.
- 9. Headphone Output:** Insert your 1/4" headphones plug here.
- 10. PFL (Pre Fade Listen) Buttons:** These buttons allows you to set each channel in "CUE" mode. If you press CUE 1 for example, (the red LED located to its will glow) the CH-1 signal will be sent to the headphones. Set the CUE MIX knob (4) to the CUE position (left). To prevent any potential ear damage, progressively adjust the cue level using the CUE LEVEL knob (3).
- 11. Booth:** This knob allows you to adjust the level of the signal to be sent to the DJ Booth monitor system. Please read (19).
- 12. Pan:** Used to adjust the left-right balance of the master output.
- 13. Master Level:** Controls the overall output level.
- 14. Gain:** Adjusts the volume of the Phono or Line input.
- 15. Level Indicators:** The dual LED's indicators display the master output level.
- 16. Source Input Selector Switch:** Selects the input source assigned to each channel. Each channel can be assigned to only one input source at a time.

3.2 Rear Panel (Figure 3.2)

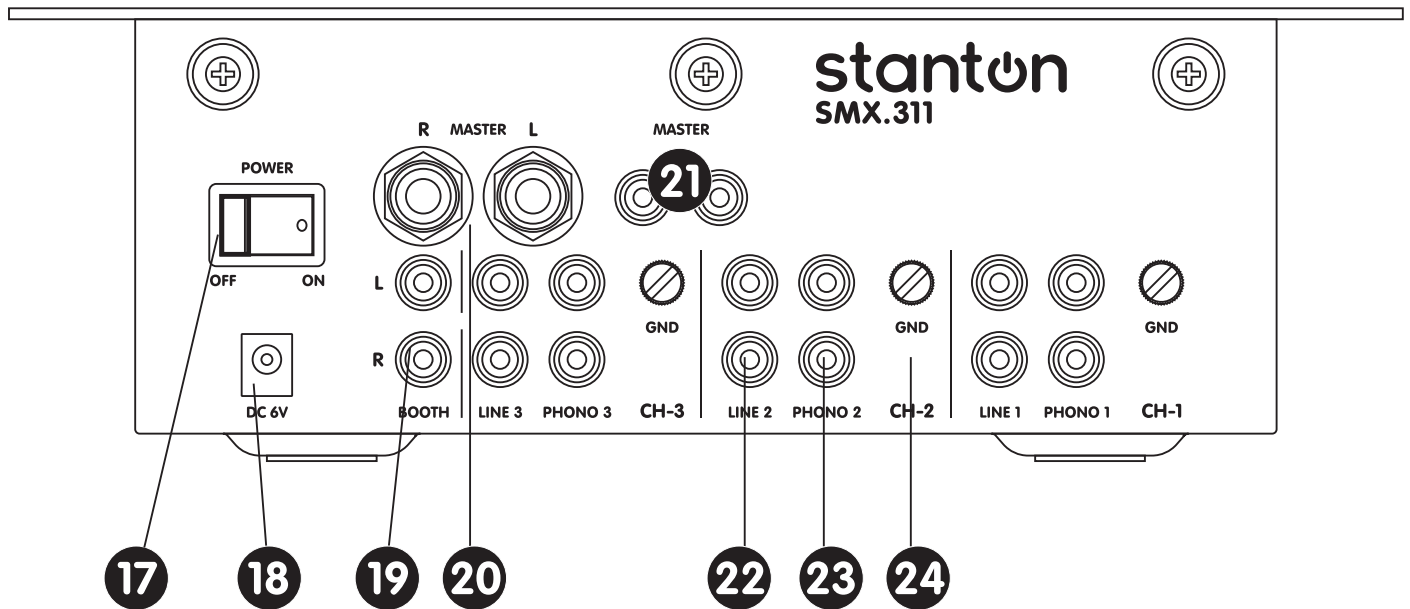


Figure 3.2

- 17. **Power Switch:** Turns the mixer ON or OFF.
- 18. **Power Connector:** While the power is switched OFF, plug the power supply into the mixer first, and then plug it into the outlet.
- 19. **Booth Output:** Using a RCA cable, connect from the SMX.311 booth output to the DJ booth monitor system inputs.
- 20. **Balanced Master output:** TRS balanced (1/4") connectors are typically used to connect to a P.A. mixer or an amplifier for live performances, or a recording console.
- 21. **Unbalanced Master output:** RCA connectors are typically used to connect to a home stereo, or to another mixer with RCA inputs for practicing or team routines.
- 22. **Line Inputs:** Unbalanced RCA jacks for connecting stereo audio from line level sources such as CD players, Hi-Fi VCRs, cassette decks, DAT machines, laser discs, tuners, Mini Discs, even synthesizers or other mixing consoles. Plug mono audio sources into both Left and Right inputs using a "Y" cable connector.
- 23. **Phono Inputs:** Plug your turntables in here. When these connectors are used, your signal is fed directly to the high-quality RIAA phono pre-amplifiers. Only connect turntables here. Line level sources will overload the sensitive phono pre-amps and will cause distortion.
- 24. **GND:** To eliminate electrical hum, connect the ground cable from your standard turntable ground post to the SMX.311 ground terminal. Some turntables (like the Stanton STR8.150) do not require a grounding wire.

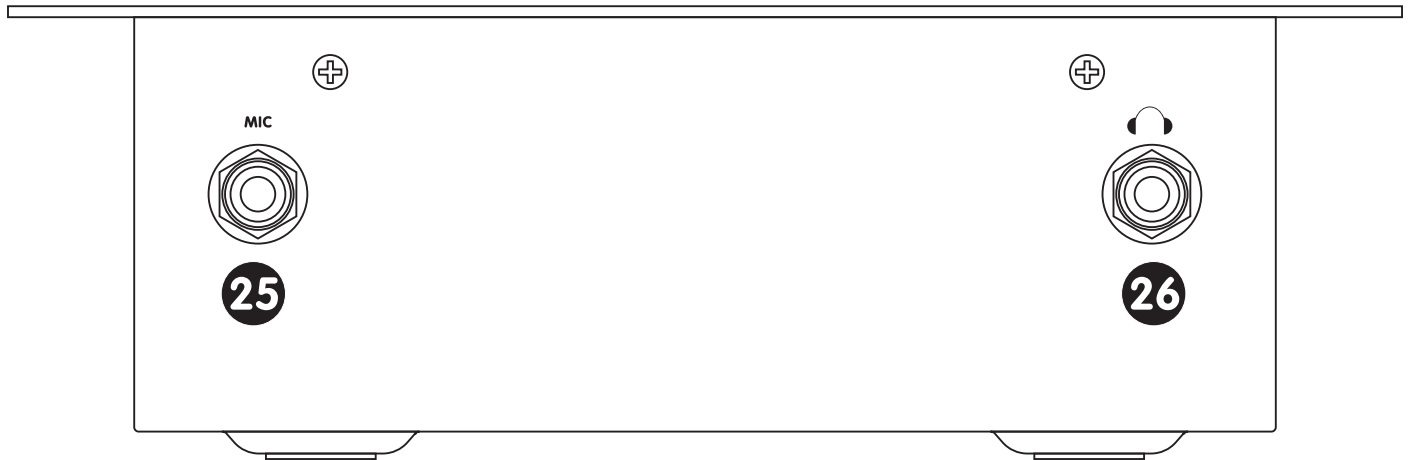
3.3 Front Panel (Figure 3.3)

Figure 3.3

25. Microphone Input (Mic): Connect a standard unbalanced (1/4") microphone.

26. Headphone Output: Standard 1/4" headphone output connector.

4. Troubleshooting

Problem / Symptom	Possible Cause / Solution
No Sound.	Is the power ON? Based on your connections, check that you have properly set the Channel Input (Phone-Line). Make sure that the Input Gain, Channel Fader, and Master output are turned up. Make sure the channels are properly assigned to the Crossfader.
No Sound-Headphones.	Check the Cue Level, Cue Mix, and Cue button settings.
Mixer sounds noisy.	If a microphone is not being used, move the Mic switch to the OFF position and turn all its related controls down.
Microphone doesn't work.	Is the Mic Level turned up? Does the microphone require phantom power? This mixer does not provide microphone phantom power.
Sound is distorted-Line Input.	Turn down the Input Gain Control. Check EQ settings.
Sound is distorted-Phono Input.	Only plug turntables into this input, do not plug in CD players or other Line Level sources. Turn down the Input Gain Control and check EQ settings.
I hear hum.	Make sure you are using good shielded audio cables. Some less expensive audio cables can be susceptible to hum and interference. Keep your audio cables away from AC power cables and AC transformers. Make sure the mixer is not mounted too close to high power amplifiers or lighting equipment power supplies or ballasts. Make sure your turntables are properly grounded to the back of the mixer if they include a grounding wire.
I hear feedback.	If you are using a microphone, make sure that you are not too close to the speakers or headphones. If you hear feedback on the Phono Input, then the turntable may be mounted too close to the speakers and/or subwoofer. Also, make sure the turntable base is placed on a surface that does not vibrate or resonate easily when the speakers are turned up loudly.

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**Stanton Magnetics, Inc
772 S. Military Trail
Deerfield Beach, FL 33442
USA
Attn: Technical Support**

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www.stantondj.com

Thank you for choosing Stanton!

Your satisfaction is extremely important to us. We proudly stand behind the quality of our work and appreciate that you put your trust in us. Registering your product will help us guarantee that you are kept up to date on our latest advances.

Warranty Service in the United States:

Please contact Stanton Tech Support BEFORE sending your product. In some cases, our Tech Support team can resolve your problem immediately, avoiding down time due to shipping delays. However, if Tech Support determines that a repair is needed; please call us at +1 (954) 949-9600 to obtain a Return Authorization Number (RA#) PRIOR to shipping your product to us.

Warranty Service outside the United States:

To initiate a warranty repair, please contact the authorized Stanton dealer from whom you purchased your product, and follow the dealer's return policy.

Save your shipping boxes and all packaging materials!

For the fastest and safest product return to Stanton, please use the original shipping carton and packaging materials. Stanton cannot be responsible for any damages incurred during the shipping process due to poor or inadequate packing. Please remember to insure your shipment!

To register your Stanton product on-line, please visit:
http://www.stantondj.com/v2/login_product.asp

Model Type _____ **Model No.** _____ **Serial No.** _____

Date of Purchase _____

Dealer's Name _____

Your Name _____

Your Address _____

E-mail Address _____

Please check this box to receive updates and important information about Stanton via e-mail.

How did you hear about us?

Dealer Magazine Friend Web Other (Please specify) _____


www.stantondj.com

Stanton 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 either the earlier of thirty (30) days following the date of original purchase or for 10,000 cycles for switches.

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.

Specifications

Input / output impedance & sensitivity:	
Line	47k ohm /-14 dBV +/-0.1 dB (200mV)
Phono	47k ohm /-50 dBV +/-0.1 dB (3.16mV)
Mic	10k ohm /-54 dBV +/-0.1 dB (2mV)
Master	1k ohm /0 dB (1V) +/-2 dB
Master Bal (Load=600 ohm)	600 ohm /+4 dBm (1.23V) +/-2 dB
Phones (Load=32 ohm)	33 ohm / 0 dBV (1V) +/- 2 dB
Channel balance:	Within 3 dB
Frequency response: (Master Output, EQ Flat)	
Line	20-20 kHz +/- 2 dB
Phono	20-20 kHz +2/-3 dB (RIAA)
S/N ratio: (Maximum Gain, EQ Flat, W/20 kHz LPF, A-weighted)	
Line	Less than -87 dBV
Phono	Less than -70 dBV
Mic	Less than -60 dBV
THD + N: (Master 0 dBV Output, Maximum Gain, W/20 kHz LPF)	
Line	Less than 0.02% 20-20 kHz
Phono	Less than 0.15% at 1 kHz (A-weighted)
Mic	Less than 0.15% at 1 kHz (A-weighted)
Note: 0 dBV=1V rms	
Crosstalk:	
Line	More than 65 dB at 1 kHz between L and R. More than 70 dB at 1 kHz between Channels.
Channel EQ:	
Hi	9 +/- 2 dB at 13 kHz -15 +/- 3 dB at 13 kHz
Mid	9 +/- 2 dB at 1 kHz below -23 dB at 1 kHz
Low	9 +/- 2 dB at 70 Hz below -23 dB at 70 Hz
Power Source:	DC 6V
Dimensions (H x W x D):	100 mm x 254 mm x 308 mm
Weight:	3.1 kg (w/o power transformer)

A series of horizontal dotted lines for writing notes.



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