



OWNER'S MANUAL  
**PROFILE 200**



**Congratulations on the purchase of your Kustom Profile 200.**

This P.A. system combines quality performance and convenient features, all in a highly portable package. You'll find that the Profile 200 works well in a variety of environments, amplifying vocals, instruments, keyboards, drum machines, audio devices and more. This manual will help you get up and running quickly.

We wish you many years of enjoyment from your Kustom P.A. system.



## FCC Statements

**1. Caution:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**2. Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

# ENGLISH

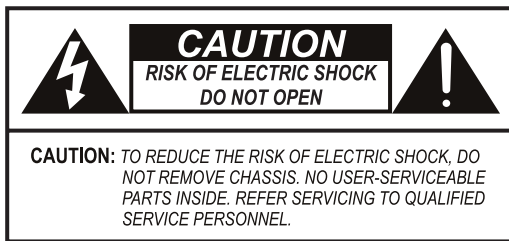
## Danger

Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably to noise induced hearing loss but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures:

DURATION PER DAY (HOURS)	8	6	4	3	2	1
SOUND LEVEL (dB)	90	93	95	97	100	103

According to OSHA, any exposure in the above permissible limits could result in some hearing loss. Ear plugs or protectors in the ear canal or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss. If exposure in excess of the limits as put forth above, to insure against potentially harmful exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of inducing high sound pressure levels, such as this amplification system, be protected by hearing protectors while this unit is in operation.



**AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.**



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF NON-INSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE UNIT.



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.

## IMPORTANT SAFETY INSTRUCTIONS

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be kept for future reference.
3. Read and understand all warnings listed on the operating instructions.
4. Follow all operating instructions to operate this product.
5. This product should not be used near water, i.e. Bathtub, sink, swimming pool, wet basement, etc.
6. Only use dry cloth to clean this product.
7. Do not block any ventilation openings, It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
8. Do not install this product near any heat sources ;such as, radiators, heat registers, stove or other apparatus (including heat producing amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord being walked on or pinched, particularly at Plugs, convenience receptacles and the point where they exit from the apparatus. Do not break the ground pin of the power supply cord.
11. Only use attachments specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation ports or any other openings.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way; such as, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
16. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
17. When the MAINS plug, or an appliance coupler, is used as the disconnect device, the disconnect device shall remain readily operable.



# FRENCH

## Danger

L'exposition a des niveaux eleves de bruit peut provoquer une perte permanente de l'audition, Chaque organisme humain reagit differemment quant a la perte de l'audition, mais quasiment tout le monde subit une diminution de l'acuite auditive lors d'une exposition suffisamment longue au bruit intense. Les autorites competentes en reglementation de bruit ont defini les expositions tolerees aux niveaux de bruits:

DURE EN HEURES PAR JOUR	8	6	4	3	2	1
INIVEAU SONORE CONTINU EN dB	90	93	95	97	100	103

Selon les autorites, toute exposition dans les limites citees ci-dessus, peuvent provoquer certaines pertes d'audition. Des bouchons ou protections dans l'appareil auditif ou sur l'oreille doivent etre portes lors de l'utilisation de ce systeme d'amplification afin de prevenir le risque de perte permanente de l'audition, Dans le cas d'expositions superieures aux limites precitees il est recommande, afin de se premunir contre les expositions aux pressions acoustiques elevees potentiellement dangeereuses, aux personnes exposees aux equipements capables de delivrer de telles puissances, tels ce systeme d'amplification en fonctionnement, de proteger l'appareil auditif.



CE SYMBOLE A POUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE DE VOLTAGE DANGEREUX NON-ISOLE A L'INTERIEUR DE CE PRODUIT QUI PEUT ETRE DE PUISSANCE SUFFISAMMENT IMPORTANTE POUR PROVOQUER UN CHOC ELECTRIQUE AUX PERSONNES.



CE SYMBOLE A POUR BUT D'AVERTIR L'UTILISATEUR DE LA PRESENCE D'INSTRUCTIONS D'UTILISATION ET DE MAINTENANCE DANS LES DOCUMENTS FOURNIS AVEC CE PRODUIT.



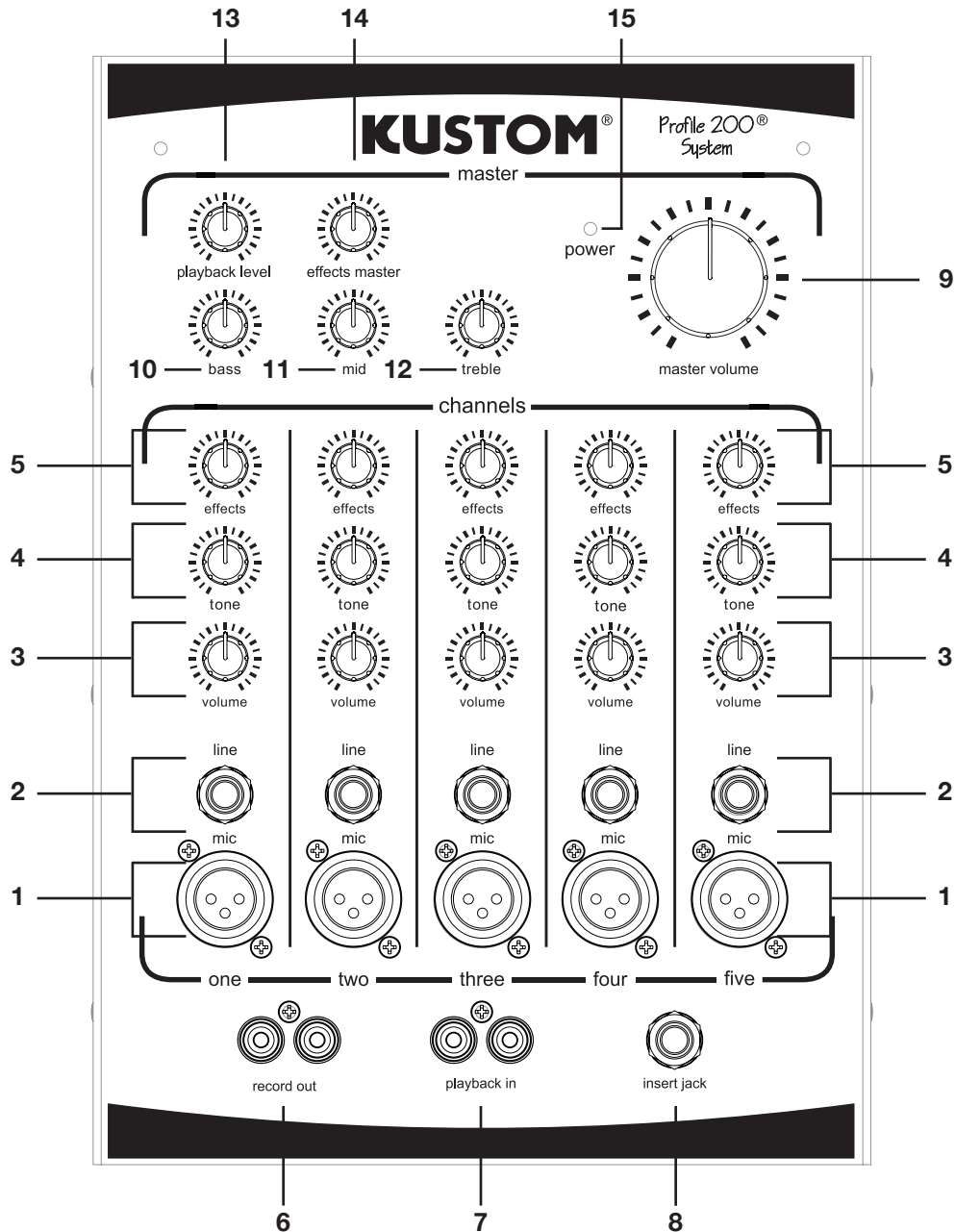
AFIN DE REDUIRE LES RISQUÉ D'INCENDIE ET DE DECHARGE ELECTRIQUE, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE.

## IMPORTANTES INSTRUCTIONS DE SECURITE

1. Lire avec attention toutes les recommandations et précautions d'emploi avant d'utiliser ce produit.
2. Toutes les recommandations et précautions d'emploi doivent être conservées afin de pouvoir s'y reporter si nécessaire.
3. Lire et comprendre tous les avertissements énumérés dans les précautions d'emploi.
4. Suivre toutes les précautions d'emploi pour utiliser ce produit.
5. Ce produit ne doit pas être utilisé près d'eau, comme par exemple baignoires, éviers, piscine, sous-sol humides ... Etc.
6. Utiliser exclusivement un chiffon sec pour nettoyer ce produit.
7. Ne bloquer aucune ouverture de ventilation. Ne pas placer le produit tout contre un mur ou dans une enceinte fermée, cela gênerait le flux d'air nécessaire au refroidissement.
8. Ne pas placer le produit près de toute source de chaleur telle que radiateurs, arrivées d'air chaud, fourneaux ou autres appareils générant de la chaleur (incluant les amplificateurs producteurs de chaleur) .
9. Ne pas négliger la sécurité que procure un branchement polarisé ou avec raccordement à la terre, Un branchement polarisé comprend deux fiches dont l'une est plus large que l'autre. Un branchement à la terre comprend deux fiches plus une troisième reliée à la terre. Si la fiche secteur fournie ne s'insert pas dans votre prise de courant. consulter un électricien afin de remplacer votre prise obsolète.
10. Protéger le cordon d'alimentation de tout écrasement ou pincement, particulièrement au niveau des fiches, des réceptacles utilisés et à l'endroit de sortie de l'appareil. Ne pas casser la fiche de terre du cordon d'alimentation.
11. Utiliser uniquement les accessoires spécifiés par le constructeur.
12. Utiliser uniquement avec le chariot de transport, le support, le trépied, la console ou la table spécifiés par le constructeur ou vendus avec l'appareil. Lors de l'utilisation d'un chariot, bouger avec précaution l'ensemble chariot/appareil afin d'éviter les dommages d'un renversement.
13. Débrancher cet appareil lors d'orages ou s'il n'est pas utilisé pendant une longue période.
14. Des précautions doivent être prises afin qu'aucun objet ne tombe et qu'aucun liquide ne se répande à l'intérieur de l'appareil par les orifices de ventilation ou n'importe quelle autre ouverture.
15. Pour toutes interventions techniques s'adresser à un technicien qualifié. L'intervention technique est nécessaire lorsque l'appareil a été endommagé de n'importe quelle façon, comme par exemple si le cordon secteur ou sa fiche sont détériorés, si du liquide a coulé ou si des objets sont tombés à l'intérieur de l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, s'il ne fonctionne pas normalement ou s'il est tombé.
16. ATTENTION: Pour réduire le risque d'incendie ou de choc électrique ne pas exposer l'appareil à la pluie ou à l'humidité.
17. Quand la prise MAINS, au coupler, est utilisé pour la source d'alimentation électrique, il est conseillé de garder cette prise facilement accessible.



# Profile 200 Control Panel



## OVERVIEW: CONTROLS & FUNCTIONS

### INPUT SECTION:

This is where you may plug in microphones, instruments, keyboards, drum machines and other audio devices, adjust the tone, and determine the intensity of the Effects.

**1. XLR Inputs:** These inputs are designed for low-impedance microphones or equipment that has a mic-level, balanced output (often called a Direct Out). **Note:** These inputs receive 15-volt phantom power. This is used to provide power to condenser microphones. Phantom power will not damage any dynamic or non-condenser microphone.



# Profile 200 Control Panel

- 2. Mic/Line Inputs:** These ¼-inch inputs may be used to connect high-impedance microphones or keyboards, drum machines and other audio devices.
- 3. Volume:** Use these controls to adjust the volume level of each channel and the relative balance between them.
- 4. Tone:** This shapes the tonality of each individual channel. When turned clockwise, treble frequencies are accented to produce a clearer, brighter sound. When turned counterclockwise, warmer bass frequencies are emphasized.
- 5. Effects:** Adjusts the apparent volume level of the effects. Turn clockwise to increase the prominence of the reverb/delay effect in the mix. Turn counterclockwise to decrease the level of effects in the mix.
- 6. Record Out:** Use these stereo RCA jacks to connect an external recording device. Output level is determined by the channel Volume controls. Note: The Master Volume control does not affect this output.
- 7. Playback In:** Use these stereo RCA jacks to connect an external audio device such as an MP3, CD player or computer for playback. Use Playback level to adjust volume. **Note:** Bass, Mid and Treble affect the tone of this input. The Master Volume control does not affect this input.
- 8. Insert Jack:** The primary purpose of this unbalanced Stereo (Tip/Ring/Sleeve) jack is for placing an external effect or EQ between the mixer's preamp output and power amp input. The Ring is a line level preamp output. All controls on front panel affect this output. It is un-switched, leaving the signal path to the power amp un-interrupted. The Tip is a line level power amp input. It is switched, breaking the signal path between preamp and power amp.

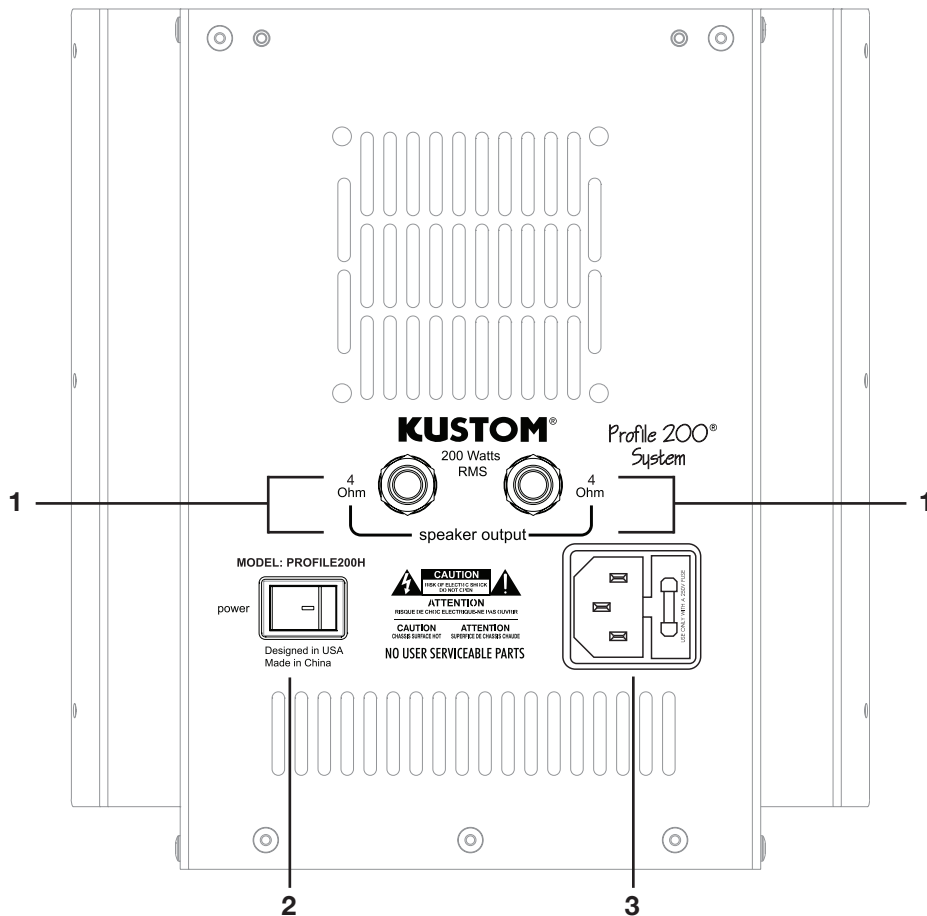
This jack can also be used as a preamp line level output to power other external devices such as a power amp by plugging a mono ¼-inch cable half way (the first click) in. The preamp is not disconnected from the power amp using this method.

## MASTER SECTION

The Master Section provides final control over the devices that you have connected to the Input Section. Your Master settings will affect all individual channels.

- 9. Master Volume:** Controls the overall volume of all inputs except the Playback inputs, which are controlled by the Playback Level control.
- 10. Bass:** Determines the emphasis of bass frequencies. Turning this knob clockwise creates a deeper, warmer tone. If you need a brighter sound, reduce the bass by turning counterclockwise.
- 11. Mid:** Determines the emphasis of midrange frequencies: the frequencies humans hear the best. This is the sweet spot in the mix. Use this control to warm up vocals and guitars.
- 12. Treble:** Turned clockwise, this control accents treble frequencies to produce clearer, crisper sound. Turn counterclockwise to make the sound softer and less bright.
- 13. Playback Level:** This adjusts the volume level of the audio device that is connected to the stereo Playback In jacks. For best results, you'll want to balance the volume level on the audio device with the Playback Level control on the Profile system. **Note:** The Playback control will allow audio to be heard even when the Master Volume is turned down.
- 14. Effects Master:** This controls the overall level of the built-in reverb/delay effects. This provides a studio-like quality to live performances.
- 15. Power:** This indicator lights up when the Power switch is turned On. When it is not lit, the system is off.

# Profile 200 Back Panel



**1. Speaker Outputs:** These jacks are used to connect the two Profile speakers. The Profile mixer and speakers have been specifically designed and optimized for use together as a package. The mixer has been designed to deliver maximum power with a 4-ohm load on each jack.

**Note 1:** Each speaker output is connected to a separate 100-watt, 4-ohm power amp. For optimum performance, a speaker should be connected to each jack regardless of impedance. Do not go below 4 ohms on each jack.

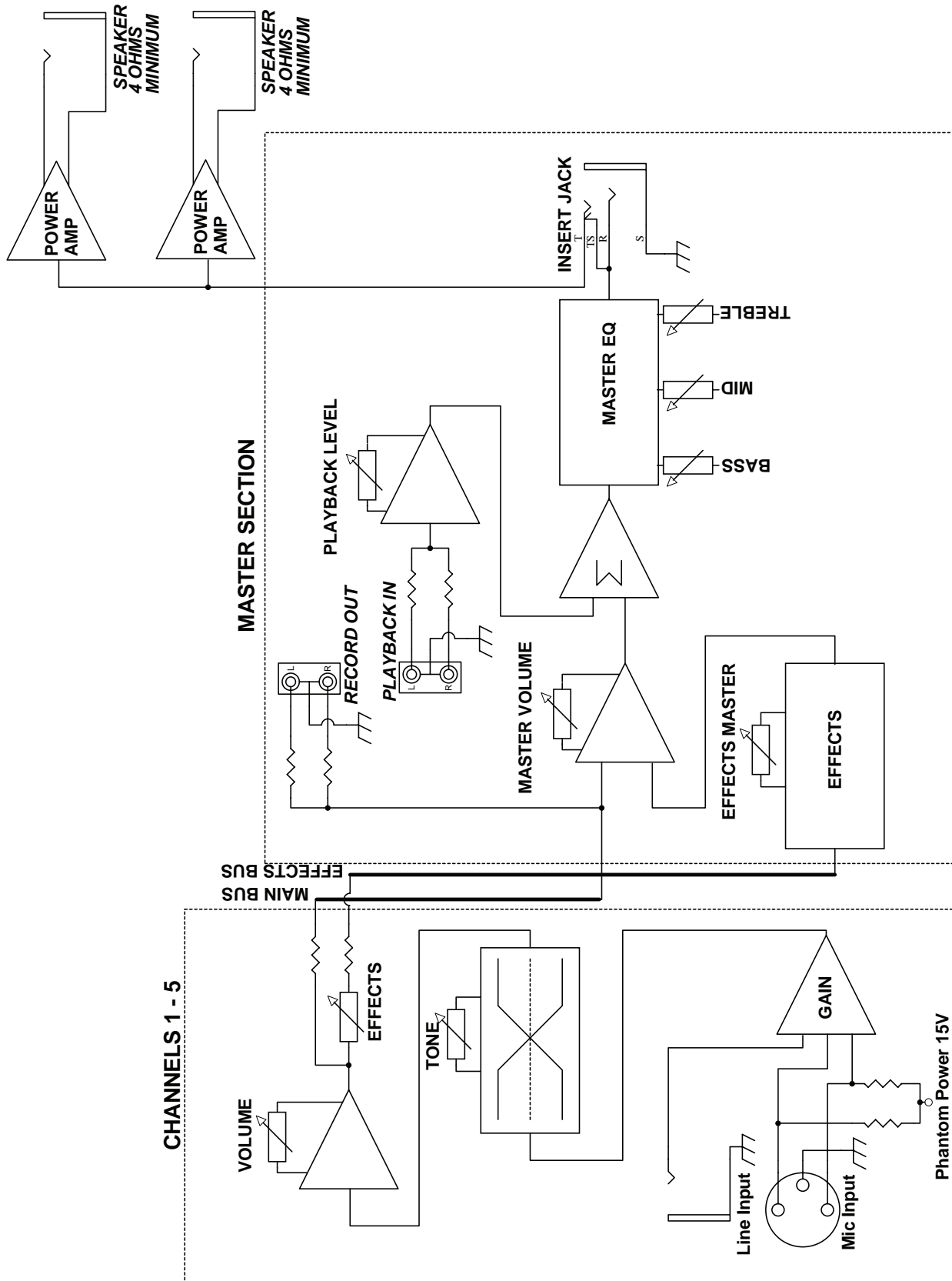
**Note 2:** Be sure to turn OFF the Profile system before plugging in or unplugging speaker cables. Also, when the Profile mixer is ON, a speaker must always be connected.

**2. Power:** This switch activates AC power to the powered mixer.

**3. AC Power Cord Receptacle:** Insert the Profile's AC cord firmly into the AC receptacle. Be sure to use the cable provided with your Profile system. The power cord can be removed for storage or replacement if damaged. Note: Replace the AC cord if its protective jacket is damaged or ground pin is damaged or removed.



# Profile 200 Signal Flow Diagram



## Profile 200 Powered Mixer Specifications

<b>Output Power 5% THD</b>	85 Watts	Using one output jack, 8 Ohm load
	120 Watts	Using one output jack, 4 Ohm load
	150 Watts	Using both output jacks, 8 Ohms per jack
	200 Watts	Using both output jacks, 4 Ohms per jack
<b>Accepted Inputs</b>	CH 1 - 5	Mic XLR Balanced, Line 1/4" Balanced/Un-balanced
	Playback	RCA Line Level Stereo, mixed mono
<b>Frequency Response</b>	20HZ-20kHz	Actual response is tailored to speaker cabinet for accurate acoustical response.
<b>Hum &amp; Noise</b>	-65dB	Residual Noise, all level controls 0% (minimum)
	-50dB	Nominal System Noise, all level controls at 50%
<b>System Gain (Measurements made at 1kHz)</b>	+75 dB	Mic to Speaker Output (CH 1 - 5)
	+60 dB	Line to Speaker Output (CH 1 - 5)
	+35 dB	Playback to Speaker Output
	+50 dB	Mic to Preamp Output (Insert Ring)
	+50 dB	Mic to Record out
	+25 dB	Power amp in (Insert Tip) to Speaker Output
<b>Channel EQ (Tone)</b>	1 band 1.5kHz and above $\pm 12$ dB Low frequencies not affected	
<b>Master EQ (Bass, Mid, Treble)</b>	200Hz and below, 1.5kHz centered, 4kHz and above, $\pm 12$ dB	
<b>Effects</b>	Reverb	
<b>Phantom Power</b>	+15v	Mic inputs (Ch 1 - 5)
<b>Power Requirements</b>	USA/Canada	120VAC/60Hz, 400 Watts nominal
	Europe	230VAC/50Hz, 400 Watts nominal
	UK	230VAC/50Hz, 400 Watts nominal
	Australia	240VAC/50Hz, 400 Watts nominal
	Japan	100VAC/50-60Hz, 400Watts nominal
<b>Dimensions &amp; Weight</b>	mm/Kilogram	320 (Height) X 226 (Width) X 250 (Depth), 7.8 Kilogram
	Inches/Pounds	12.6 (Height) X 8.9 (Width) X 9.8 (Depth), 17.2 Lbs

### Profile 200 Speaker Cabinet Specifications

<b>Speakers</b>	2 X 6-1/2" 50W 8 Ohm	
<b>Horn</b>	5"x2" fair with piezo driver	
<b>Power Capacity</b>	100W each cabinet	RMS
	200W each cabinet	Peak music power
<b>Frequency Response</b>	50HZ-20kHz	
<b>Nominal Impedance</b>	4 Ohms	
<b>Dimensions &amp; Weight Per Cabinet</b>	mm/Kilogram	478 (Height) X 226 (Width) X 250 (Depth), 8 Kilogram
	Inches/Pounds	18.8 (Height) X 8.9 (Width) X 9.8 (Depth), 17.6 Lbs



[www.kustom.com](http://www.kustom.com)

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