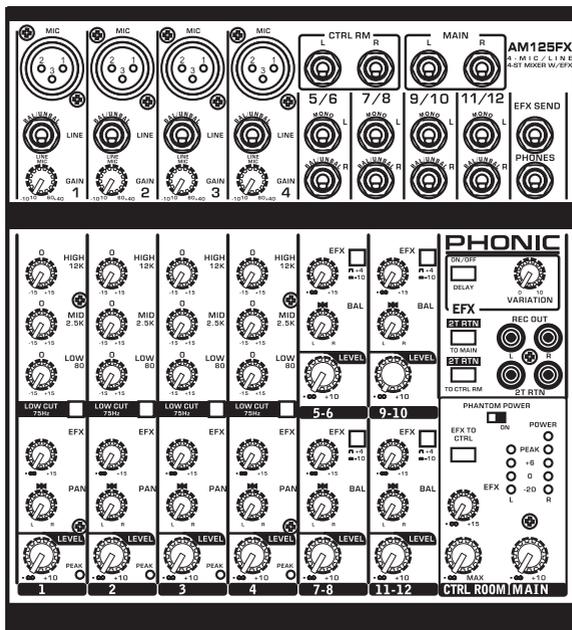


# PHONIC



AM125FX

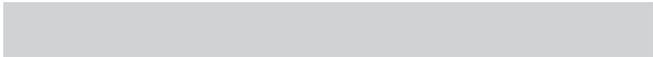
WWW.PHONIC.COM

**AM55/AM85**  
**AM105/AM105FX**  
**AM125/AM125FX**

- User's Manual
- Manual del Usuario

# AM55/AM85 AM105/AM105FX AM125/AM125FX

COMPACT MIXERS  
MIXERS COMPACTAS



ENGLISH .....	I
ESPAÑOL .....	II

# USER'S MANUAL

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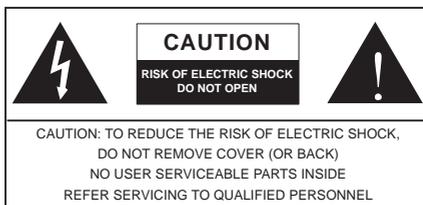
Phonic preserves the right to improve or alter any information within this document without prior notice

## IMPORTANT SAFETY INSTRUCTIONS

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. The MAINS plug is used as the disconnect device, the disconnect device shall remain readily operable.

**Warning:** the user shall not place this apparatus in the confined area during the operation so that the mains switch can be easily accessible.

1. Read these instructions before operating this apparatus.
2. Keep these instructions for future reference.
3. Heed all warnings to ensure safe operation.
4. Follow all instructions provided in this document.
5. Do not use this apparatus near water or in locations where condensation may occur.
6. Clean only with dry cloth. Do not use aerosol or liquid cleaners. Unplug this apparatus before cleaning.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including 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 is 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 from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the 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. 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.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

**CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.



## INTRODUCTION

Congratulations on purchasing one of Phonic's many quality compact mixers. The entire AM series of mixers – designed by the ingenious engineers that have created a variety of mixers fantastic in style and performance in the past – displays similar proficiency that previous Phonic products have shown; with more than a few refinements, of course. The AM series features full gain ranges, amazingly low distortion levels, +22 dBu line signal handling, and incredibly wide dynamic ranges, just showing the dominance these small machines will have in the studio or live venues.

We know how eager you are to get started – wanting to get the mixer out and hook it all up is probably your number one priority right now – but before you do, we strongly urge you to take a look through this manual. Inside, you will find important facts and figures on the set up, use and applications of your brand new mixer. If you do happen to be one of the many people who flatly refuse to read user manuals, then we just urge you to at least glance at the Instant Setup section. After glancing at or reading through the manual (we applaud you if you do read the entire manual), please store it in a place that is easy for you to find, because chances are there's something you missed the first time around.

## FEATURES

### AM55

- Audiophile-quality mic preamps & ultra low noise
- 1 mic/line and 2 stereo channels
- 2-Band EQ on mono input channel
- 2T RTN & 2T REC for CD or tape recorder
- Dual 4-segment master level meter
- Headphones output with volume control
- Peak LED on mono input channel
- Balanced master output

### AM85

- Audiophile-quality & ultra low noise
- Two balanced Mic/Line inputs with 3-band EQ
- Two stereo inputs with 3-band EQ
- One stereo aux return
- Post-fader EFX send on every input
- Global +48V phantom power
- Peak and VU Metering
- Peak indicators on each mono input channel
- 2T RTN assignable individually to Main or Control room
- Balanced master output

### AM105

- Audiophile-quality & ultra low noise
- Two balanced Mic/Line inputs with 3-band EQ and low cut
- Four stereo inputs with +/-10 select button
- Post-fader AUX send on every input
- Global +48V Phantom Power
- CTRL RM and headphones outputs
- Peak indicators on each mono input channel
- Convenient RCA stereo I/O

### AM105FX

- Audiophile-quality & ultra low noise circuitry
- Two balanced Mic/Line inputs with 3-band EQ and low cut
- Four stereo inputs with +/-10 select button
- Post-fader AUX send on every input
- Global +48V Phantom Power
- CTRL RM and headphones outputs
- Peak indicators on each mono input channel
- Convenient RCA stereo I/O
- Variable delay effect with variation control
- Balanced master output

### AM125

- Audiophile-Quality & ultra low noise
- 4 mono mic/line channels
- 4 stereo channels
- AUX sends on each channel
- 75Hz low-cut filter on mono channel
- 3-band EQ on each mono channel
- +48V phantom power on mic channels
- Control room/Phones source matrix for maximum monitor flexibility
- AUX send cue for monitoring individual channel

### AM125FX

- Audiophile-Quality & ultra low noise
- 4 mono mic/line channels
- 4 stereo channels
- AUX sends on each channel
- 75Hz low-cut filter on mono channel
- 3-band EQ on each mono channel
- +48V phantom power on mic channels
- Control room/Phones source matrix for maximum monitor flexibility
- AUX send cue for monitoring individual channel
- Variable delay effect with variation control
- Balanced TRS output

## INSTANT SETUP

### Getting Started

1. Ensure all power is turned off on your mixer. To totally ensure this, the AC cable should not be connected to the unit.
2. All faders and level controls should be set at the lowest level and all channels switched off to ensure no sound is inadvertently sent through the outputs when the device is switched on. All levels can be altered to acceptable degrees after the device is turned on.
3. Plug all necessary instruments and equipment into the device's various inputs as required. This may include line signal devices, such as keyboards and drum machines, as well as microphones and/or guitars, keyboards, etc.
4. Plug any necessary equipment into the device's various outputs. This could include amplifiers and speakers, monitors, signal processors, and/or recording devices.
5. Plug the supplied AC power supply into the inlet on the rear of the device and then into a power outlet of a suitable voltage.
6. Turn the power switch on and follow the channel setup instructions to get the most out of your equipment.

### Channel Setup

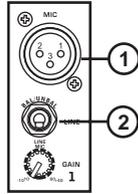
1. To ensure the correct audio level of the input channel is selected, each of the level input controls of the Mixer should be turned counterclockwise as far as they will turn (which should be the  $-\infty$  mark).
2. No input other than the one being set should have any device plugged in. This will ensure the purest signal is used when setting channels.
3. Ensure the channel has a signal sent to it similar to the signal that will be sent when in common use. For example, if the channel is using a microphone, then you should speak or sing at the same level the performer normally would during a performance; if a guitar is plugged into the channel, then the guitar should also be strummed as it normally would be (and so on). This ensures levels are completely accurate and avoids having to reset them later.
4. Set the gain so the level meter indicates the audio level is around 0 dB.
5. This channel is now ready to be used; you can stop making the audio signal.
6. You can repeat the same process for other channels.

# MAKING CONNECTIONS

## Inputs and Outputs

### 1. XLR Microphone Jacks

These jacks accept typical 3-pin XLR inputs for balanced and unbalanced signals. They can be used in conjunction with microphones – such as professional condenser, dynamic or ribbon microphones – with standard XLR male connectors, and feature low noise preamplifiers, serving for crystal clear sound replication. With exception to the AM55, each of the AM series mixers features two standard XLR microphone inputs for your convenience.



**NB.** When these inputs are used with condenser microphones, the Phantom Power should be activated. However, when Phantom Power button is engaged, single ended (unbalanced) microphones and instruments should not be used on the Mic inputs unless specifically approved by the microphone manufacturer.

### 2. Line Inputs

This input accepts typical 1/4" TRS or TS inputs for balanced or unbalanced signals. There are various numbers of these inputs depending which mixer you are using. They can be used in conjunction with various line level devices, such as keyboards, drum machines, electric guitars, and a variety of other electric instruments.

### 3. Stereo Channels

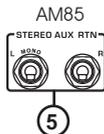
Each of the AM Mixers feature a few stereo channels, thrown in for maximum flexibility. Each of these stereo channels features two 1/4" phone jacks, for the addition of various line level input devices, such as electronic keyboards, guitars and external signal processors or mixers. These stereo channels can also be used as mono channels, where the signal from any 1/4" phone jack plugged into the left stereo input will cause the signal to duplicate to the right input also. This does not work in reverse, however.

### 4. Main L and R Output

These two ports will output the final stereo line level signal sent from the main mixing bus. The primary purpose of these jacks is to send the main output to external devices, which may include power amplifiers (and in-turn, a pair of speakers), other mixers, as well as a wide range of other possible signal processors (equalizers, crossovers, etcetera).

### 5. Stereo AUX Return (AM85 only)

These 1/4" TS inputs are for the return of audio to the AM85 mixer, processed by an external signal processor. If really needed, they can also be used as additional inputs, with a level control located on the face of



the mixer. The Stereo AUX Return can also accept mono signals. Like with the stereo input channels, these inputs can be used as mono channels by plugging the 1/4" phone plug of any mono device into the Stereo AUX return's left input.

### 6. AUX/EFX Send (AM85, AM105, AM105FX, AM125 and AM125FX only)

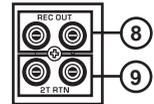
These 1/4" TS outputs may be used to connect to an external digital effect processor, or even to an amplifier and speakers (depending on your desired settings) to the mixer. The signal is taken from the AUX control on each input channel. On the AM105FX and AM125FX, the signal sent from this output is taken from the built-in effect engine. This output is only featured on the AM85, AM105, AM105FX, AM125 and AM125FX mixers; therefore you shouldn't go looking for it on the AM55.

### 7. Phones

This stereo output port is suited for use with headphones, allowing monitoring of the mix. The audio level of this output is controlled using the Phones or Phones/Control Room control.

### 8. 2T Record / Record Out

These outputs will accommodate RCA cables, able to be fed to a variety of recording devices.

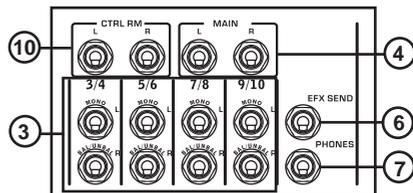


### 9. 2T Return

These RCA inputs are used to connect the mixer with parallel external devices, such as sub mixers or external effect processors, receiving the processed signal from another source and feeding it to either the Main L and R or the Phones mixing bus.

### 10. Control Room Outputs (AM85, AM105, AM105FX, AM125 and AM125FX only)

These two 1/4" phone jack outputs feed the signal altered by the Control Room/Phones level control on the face of the mixer. This output has extensive use, as it can be used to feed the signal from the mixer to an active monitor, for the monitoring of the audio signal from within a booth, or, alternatively, for the addition of external signal processing devices or mixers, as well as acting as a "side fill" output, supplying audio to indoor areas that the main speakers do not reach. This output is featured on the AM85, AM105, AM105FX, AM125 and AM125FX mixers only.



## Rear Panel

### 11. Power Connector

This port is for the addition of the external power supply, allowing power to be supplied to the mixer. Please use the power supply unit that is included with the mixer only.

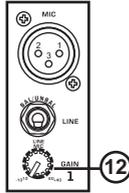


## CONTROLS AND SETTINGS

### Channel Controls

#### 12. Line/Mic Gain Control

This controls the sensitivity of the input signal of the Line/Microphone input. The gain should be adjusted to a level that allows the maximum use of the audio, while still maintaining the quality of the feed. This can be accomplished by adjusting it to a level that will allow the peak indicator occasionally illuminate. The AM55 features a single gain control for channel 1, located on the face of the mixer, whereas the AM85, AM105 and AM105FX all feature gain controls on both channels 1 and 2, located directly below the Line inputs. The AM125 and AM125FX feature gain controls on channels 1 through 4.



#### 13. High Frequency Control

This control is used to give a shelving boost or cut of  $\pm 15$  dB to high frequency (12 kHz) sounds. This will adjust the amount of treble included in the audio of the channel, adding strength and crispness to sounds such as guitars, cymbals, and synthesizers.

#### 14. Low Cut Filter (75 Hz) (AM85, AM105, AM105FX, AM125 and AM125FX only)

This button will activate a high pass filter that reduces all frequencies below 75 Hz at 18 dB per octave, helping to remove any unwanted ground noise or stage rumble. This button can be found on mono channels of the AM85, AM105, AM105FX, AM125 and AM125FX only.

#### 15. Middle Frequency Control (AM85, AM105 and AM105FX only)

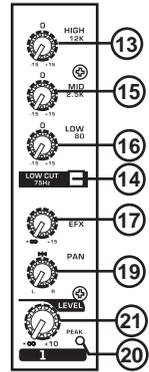
This control is used to provide a peaking style of boost and cut to the level of middle frequency sounds at a range of  $\pm 15$  dB. Changing middle frequencies of an audio feed can be rather difficult when used in a professional audio mix, as it is usually more desirable to cut middle frequency sounds rather than boost them – soothing overly harsh vocal and instrument sounds in the audio.

#### 16. Low Frequency Control

This control is used to give a shelving boost or cut of  $\pm 15$  dB to low frequency (80 Hz) sounds. This will adjust the amount of bass included in the audio of the channel, and bring more warmth and punch to drums and bass guitars.

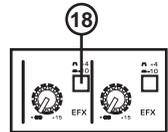
#### 17. AUX/EFX Control (AM85, AM105, AM105FX, AM125 and AM125FX only)

These controls alter the signal level that is sent to the AUX or EFX Sends, which can be used in conjunction with external signal processors, or simply as an auxiliary output for any means required. On the AM105FX and AM125FX, the EFX control is used to alter the signal level that is sent to the internal effects mix.



#### 18. +4 / -10 Switch (AM85, AM105, AM105FX, AM125 and AM125FX only)

This switch is used to adjust the input sensitivity of the corresponding channels, which will adapt the mixer to external devices which may use different operating levels. If the input source is -10 dBV, it is best to engage the switch, allowing the signal to be heard. The +4 dBu mode is suitable for use with professional audio level signals, which are considerably higher than the consumer level. If you are unsure of the source's operating level, we suggest leaving the switch disengaged until you test the source's signal. You can then engage if necessary (if the level of input is obviously too low).



#### 19. Pan / Balance Controls

This alternates the degree or level of audio that the left and right side of the main mix should receive. On mono channels, this control will adjust the level that the left and right should receive (pan), where as on a stereo channel, adjusting the BAL control will attenuate the left or right audio signals accordingly (balance). Each model features a PAN or BAL control on every one of their channel strips.

#### 20. Peak Indicator

This LED indicator will illuminate when the device hits high peaks, 6 dB before overload occurs. It is best to adjust the gain of the channel so that the PEAK indicator lights up on intervals. This will ensure a greater dynamic range of audio. The Peak indicator is featured on the mono channels of every model.

#### 21. Level Control

This control will alter the signal level that is sent from the corresponding channel to the main mixing bus.

## Effects Section

**22. Effects On Button (AM105FX and AM125FX only)**  
Pushing this button will turn the built-in effect processor on and off.

**23. Variation Control (AM105FX and AM125FX only)**  
This LED indicator will illuminate when the EFX signal hits high peaks, just before overload occurs. It is best to adjust the EFX to Main control so as to ensure the Peak indicator does not light up.

## Master Section

**24. 2T Return Controls**  
Pushing either one of the buttons in the 2T Return Control Section selects the destination of the 2T Return signal. The uppermost button ("to L/R") sends the signal to the Main L-R mixing bus, whereas the lower button (either "to Phones" or "to Ctrl Rm") sends the signal to the Phones or Control Room/Phones mixing bus, respectively. These buttons can, of course, be used simultaneously, feeding the signal to both the Control Room/Phones and Main L/R mixing bus. If the "to Phones" or "to Ctrl Rm" buttons are not engaged, the Phones and Control Room outputs will receive the Main L-R signal.

**25. AUX / EFX Send Control (AM125 and AM125FX only)**

This control adjusts the level of signal, taken from each individual channel's AUX controls, will be sent to the AUX send output. In the case of the AM125FX, the EFX control will adjust the level of signal taken from the built in effect processor to the EFX send output.

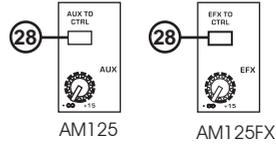


**26. Phantom Power Switch**  
When this switch is in the on position it activates +48V of phantom power for both microphone inputs, allowing condenser microphones to be used on these channels.

**NB.** Phantom Power should be used in conjunction with condenser microphones only. However many modern microphones are unaffected by Phantom Power, so it's best to consult your mic's user's manual for details.

**27. Phones (Control Room/Phones) Control**  
On the AM55, this control is used to adjust the audio level of the phones feed, to be sent to the Phones output. It can be used in conjunction with headphones or, if required, as an auxiliary output. On the AM85, AM105, AM105FX, AM125 and AM125FX, however, this control adjusts not only the phones level, but the signal level sent to the Control Room output also. The Control Room output is commonly used in monitoring, as a side fill, or for the addition of other, external devices.

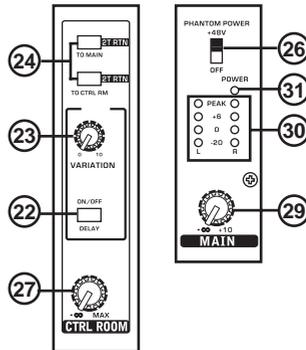
**28. AUX/EFX to CTRL Button (AM125 and AM125FX only)**  
Pushing this button will send the signal from the AUX or EFX mix to the Control Room mix. This is useful for monitoring of the EFX mix or for the tracking of individual instruments.



**29. Main L/R Control**  
This control is final level control for the main left and right audio feed, sent to the Main L and R output.

**30. Level Meter**  
The AM series' 4-segment level meters give an accurate indication of when audio levels of the MAIN L/R output reach certain levels. It is suggested for the maximum use of audio to set the various levels controls so that the peak light flashes only on occasionally (and perhaps it is better if to leave it a pinch below this level).

**31. Power Indicator**  
The Power Indicator will light up when the power of the mixer is on.



## SPECIFICATIONS

	AM55	AM85	AM105	AM105FX	AM125	AM125FX
<b>Inputs</b>						
Total Channels	3	4	6	6	8	8
Balanced Mono Mic / Line channel	1	2	2	2	4	4
Balanced Stereo Line Channel	2	2	4	4	4	4
Aux Return	-	1 stereo	-	-	2 stereo	2 stereo
2T Input	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
<b>Outputs</b>						
Rec Out	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA	Stereo RCA
CTRL RM L/R	-	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS	2 x 1/4" TS
Phones	1	1	1	1	1	1
Channel Strips	3	4	6	6	6	6
Aux Sends	-	1	1	1	2	2
Pan/Balance Control	Yes	Yes	Yes	Yes	Yes	Yes
Channel insert	-	-	-	-	-	4
Volume Controls	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
<b>Master Section</b>						
Aux Send Masters	-	-	-	-	Yes	Yes
Phones Level Control	Yes	Yes	Yes	Yes	Yes	Yes
Faders	Main L & R (Rotary)	Main L & R	Main L & R	Main L & R	Main L & R	Main L & R
<b>Metering</b>						
Number of Channels	2	2	2	2	2	2
Segments	4	4	4	4	4	4
Phantom Power Supply	-	+48V DC	+48V DC	+48V DC	+48V DC	+48V DC
Switches	Master	Master	Master	Master	Master	Master
Digital Effect Processor	-	-	-	1Digital EFX with one Variation control	-	1Digital EFX with one Variation control
20Hz ~ 60KHz	+0/-1 dB	+0/-1 dB	+0/-1 dB	+0/-1 dB	+0/-1 dB	+0/-1 dB
20Hz ~ 100KHz	+0/-3 dB	+0/-3 dB	+0/-3 dB	+0/-3 dB	+0/-3 dB	+0/-3 dB
<b>Crosstalk (1KHz @ 0dBu, 20Hz to 20KHz bandwidth, channel in to main L/R outputs)</b>						
Channel fader down, other channels at unity	<-90 dB	<-90 dB	<-90 dB	<-90 dB	<-90 dB	<-90 dB
<b>Noise (20Hz~20KHz; measured at main output, Channels 1-4 unit gain; EQ flat; all channels on main mix; channels 1/3 as far left as possible, channels 2/4 as far right as possible. Reference=+6dBu)</b>						
Master @ unity, channel fader down	-86.5 dBu	-86.5 dBu	-86.5 dBu	-86.5 dBu	-86.5 dBu	-86.5 dBu
Master @ unity, channel fader @ unity	-84 dBu	-84 dBu	-84 dBu	-84 dBu	-84 dBu	-84 dBu
S/N ratio, ref to +4	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB	>90 dB

<b>Microphone Preamp E.I.N.</b> (150 ohms terminated, max gain)	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm	<-129.5 dBm
<b>THD</b> (Any output, 1KHz @ +14dBu, 20Hz to 20KHz, channel inputs)	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%	<0.005%
<b>CMRR</b> (1 KHz @ -60dBu, Gain at maximum)	80dB	80dB	80dB	80dB	80dB	80dB
<b>Maximum Level</b>						
Mic Preamp Input	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu	+10dBu
All Other Input	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu	+21dBu
Balanced Output	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu	+28dBu
<b>Impedance</b>						
Mic Preamp Input	2 K ohms	2 K ohms	2 K ohms	2 K ohms	2 K ohms	2 K ohms
All Other Input (except insert)	10 K ohms	10 K ohms	10 K ohms	10 K ohms	10 K ohms	10 K ohms
RCA 2T Output	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms	1.1 K ohms
Ch Equalization	2-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB	3-band, +/-15 dB
Low EQ	80 Hz	80 Hz	80 Hz	80 Hz	80 Hz	80 Hz
Mid EQ (mono channel)	-	2.5 KHz	2.5 KHz	2.5 KHz	2.5 KHz	2.5 KHz
Hi EQ	12 KHz	12 KHz	12 KHz	12 KHz	12 KHz	12 KHz
Low cut filter	75Hz (-18 dB/oct)	-	75Hz (-18 dB/oct)	75Hz (-18 dB/oct)	75Hz (-18dB/oct)	75Hz (-18dB/oct)
Built-in Power Supply	100 VAC, 120 VAC, 220 ~ 240 VAC, 50/60 Hz	100VAC, 120VAC, 220 ~ 240VAC, 50/60Hz	100VAC, 120VAC, 220 ~ 240VAC, 50/60Hz	100VAC, 120VAC, 220 ~ 240VAC, 50/60Hz	100VAC, 120VAC, 220~240VAC, 50/60Hz	100VAC, 120VAC, 220~240VAC, 50/60Hz
<b>Weight</b>	1.1 kg (2.4 lbs)	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.5 kg (3.3 lbs)	1.7kg (3.75 lbs)	1.72 kg (3.78 lbs)
<b>Dimensions (WxHxD)</b>	155.6x50.5x244mm (6.12"x 99"x 8.82")	190x56x233 mm (7.48"x2.2"x9.17")	190x56x233 mm (7.48"x2.2"x9.17")	190x56x233 mm (7.48"x2.2"x9.17")	242x55x225 mm (9.5"x2.16"x8.86")	242x55x225 mm (9.5"x2.16"x8.86")

## SERVICE AND REPAIR

For replacement parts, service and repairs please contact the Phonic distributor in your country. Phonic does not release service manuals to consumers, and advice users to not attempt any self repairs, as doing so voids all warranties. You can locate a dealer near you at <http://www.phonic.com/where/>.

## WARRANTY INFORMATION

Phonic stands behind every product we make with a no-hassles warranty. Warranty coverage may be extended, depending on your region. Phonic Corporation warrants this product for a minimum of one year from the original date of purchase against defects in material and workmanship under use as instructed by the user's manual. Phonic, at its option, shall repair or replace the defective unit covered by this warranty. Please retain the dated sales receipt as evidence of the date of purchase. You will need it for any warranty service. No returns or repairs will be accepted without a proper RMA number (return merchandise authorization). In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying this warranty. Any tampering of the product or attempts of self repair voids all warranty. This warranty does not cover any damage due to accident, misuse, abuse, or negligence. This warranty is valid only if the product was purchased new from an authorized Phonic dealer/distributor. For complete warranty policy information, please visit <http://www.phonic.com/warranty/>.

## CUSTOMER SERVICE AND TECHNICAL SUPPORT

We encourage you to visit our online help at <http://www.phonic.com/support/>. There you can find answers to frequently asked questions, tech tips, driver downloads, returns instruction and other helpful information. We make every effort to answer your questions within one business day.

**support@phonic.com**  
**<http://www.phonic.com>**

# PHONIC

APPLICATION

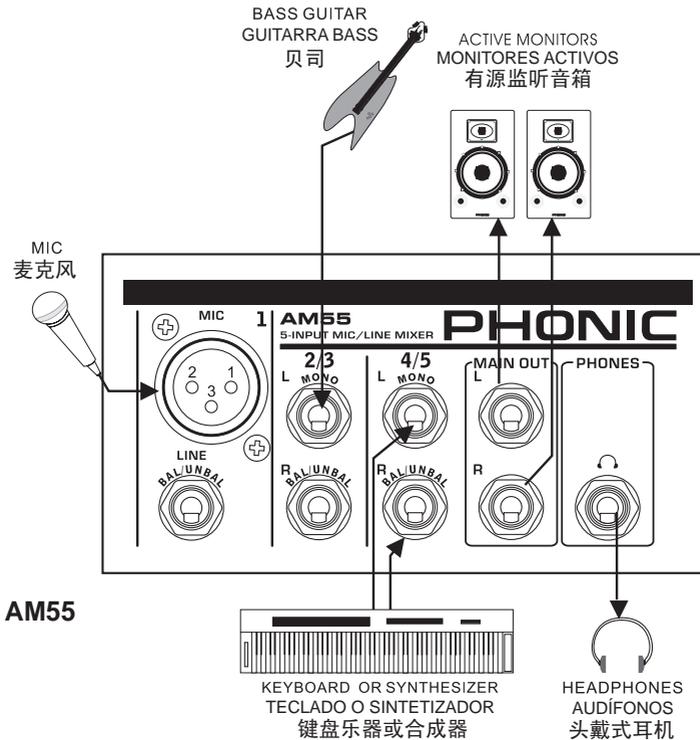
On the following few pages you will find a wide range of possible uses for the AM Mixers. Of course these are far from the only applications that can be attributed to the mixers' use; however they should give you an idea of the possible uses that the various inputs and outputs have. The right combination of microphones, guitars, drum machines, keyboards, as well as recording devices, signal processors, amplifiers and speakers, can make for the perfect live performance, home studio recording session or even a basic public address, to name a few possibilities.

APLICACIÓN

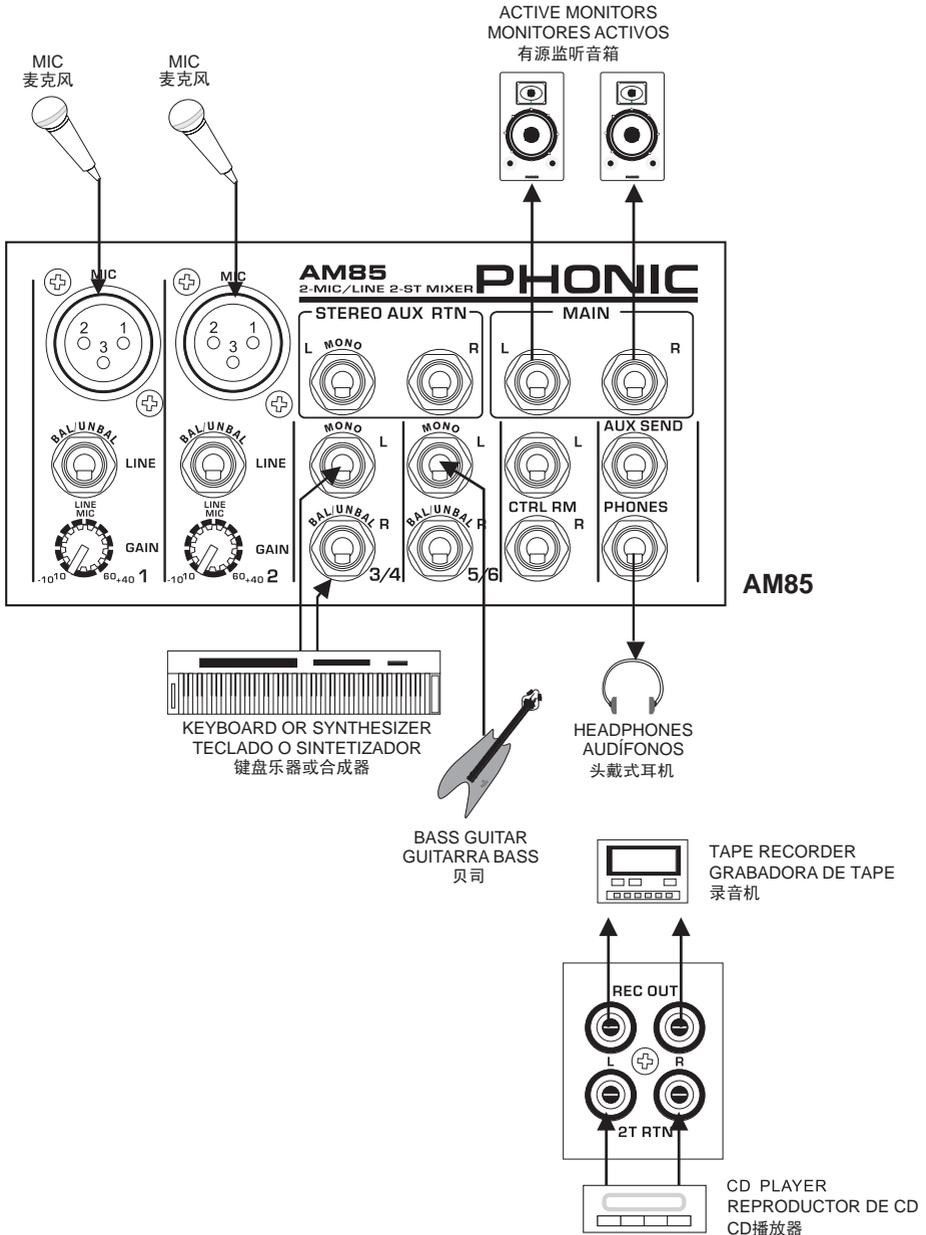
En las siguientes pocas páginas usted encontrará un amplio rango de las posibles aplicaciones para las mezcladoras M. Por supuesto éstos están lejos de ser las únicas aplicaciones que se pueden atribuir al uso de las mezcladoras, sin embargo, deben darle una idea de las aplicaciones posibles que las diversas entradas y salidas tienen. La combinación correcta de micrófonos, guitarras, unidades de ritmos, teclados, así como de dispositivos de grabación, procesadores de señal, amplificadores y altavoces, puede hacerse para un funcionamiento en vivo perfecto, sesión de grabación de estudio hogareño o incluso una megafonía básica, por nombrar algunas posibilidades.

Recording Application

Aplicación de Grabación

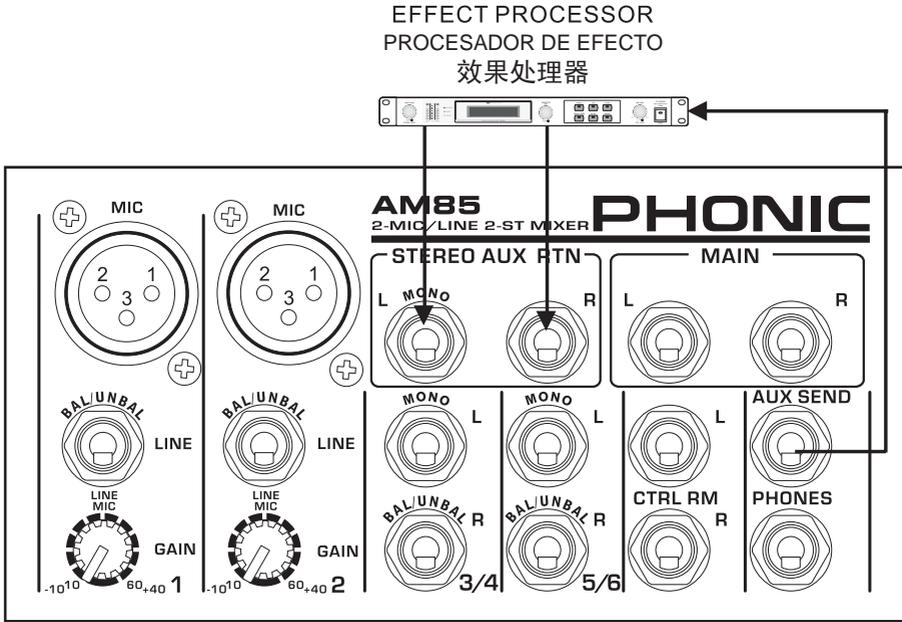


Live Sound Application  
 Aplicación de Sonido en Vivo

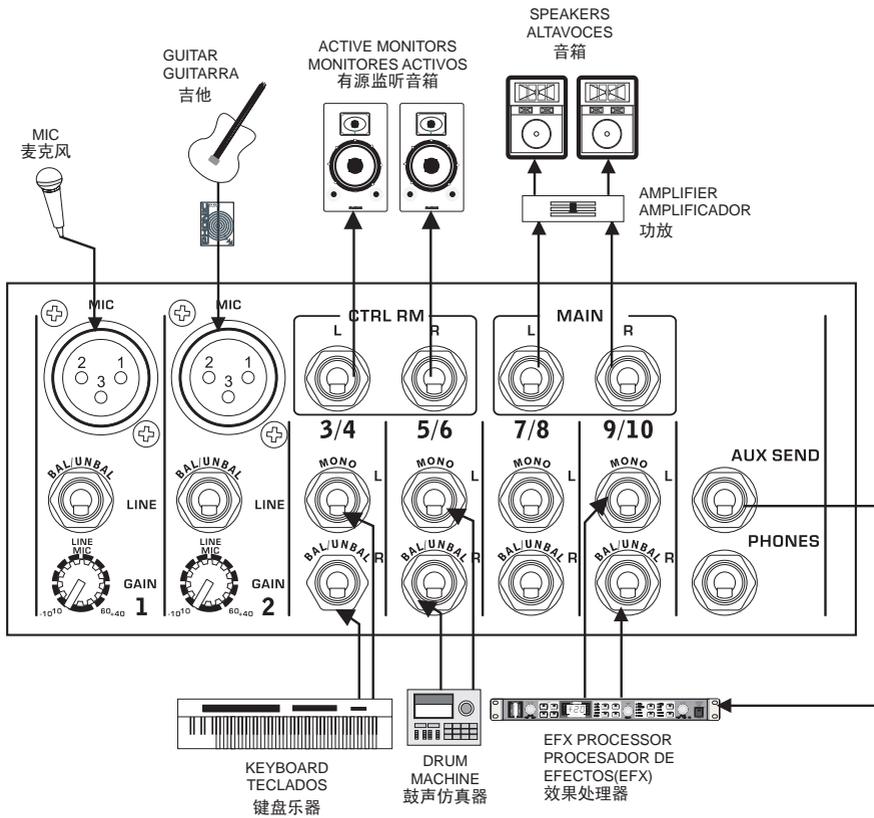


Using an External Signal Processor with AM85  
Usando un Procesador de Señal Externo con AM85

Appendix  
Apéndice



AM85

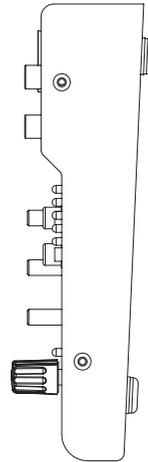
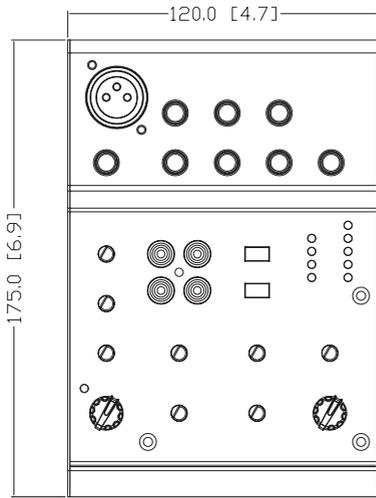
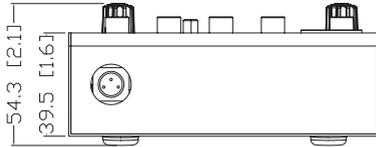


AM105

DIMENSION DIMENSION

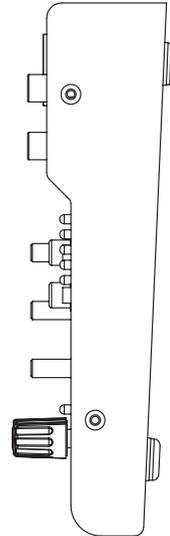
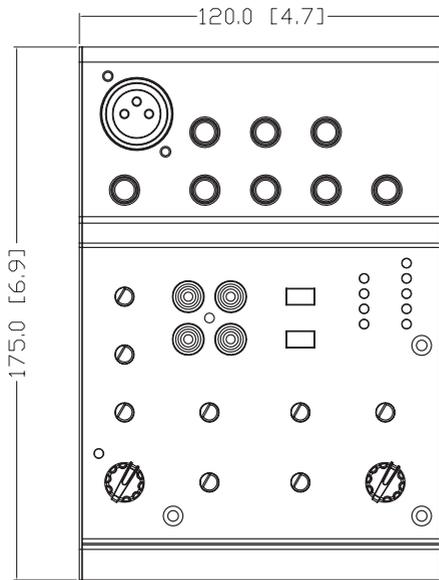
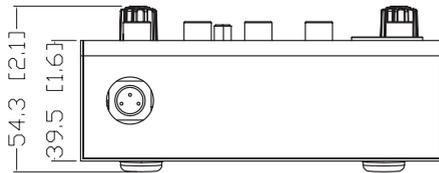
AM55

Appendix  
Apéndice



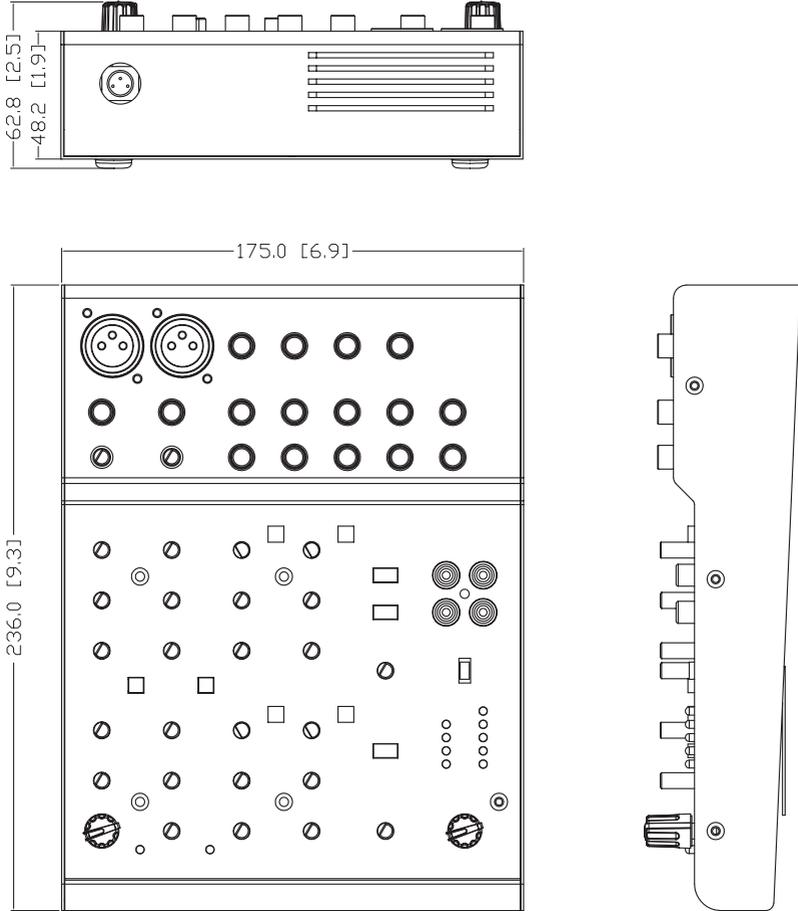
measurements are shown in mm/inches  
Todas las medidas están mostradas en mm/pulgadas.

AM85



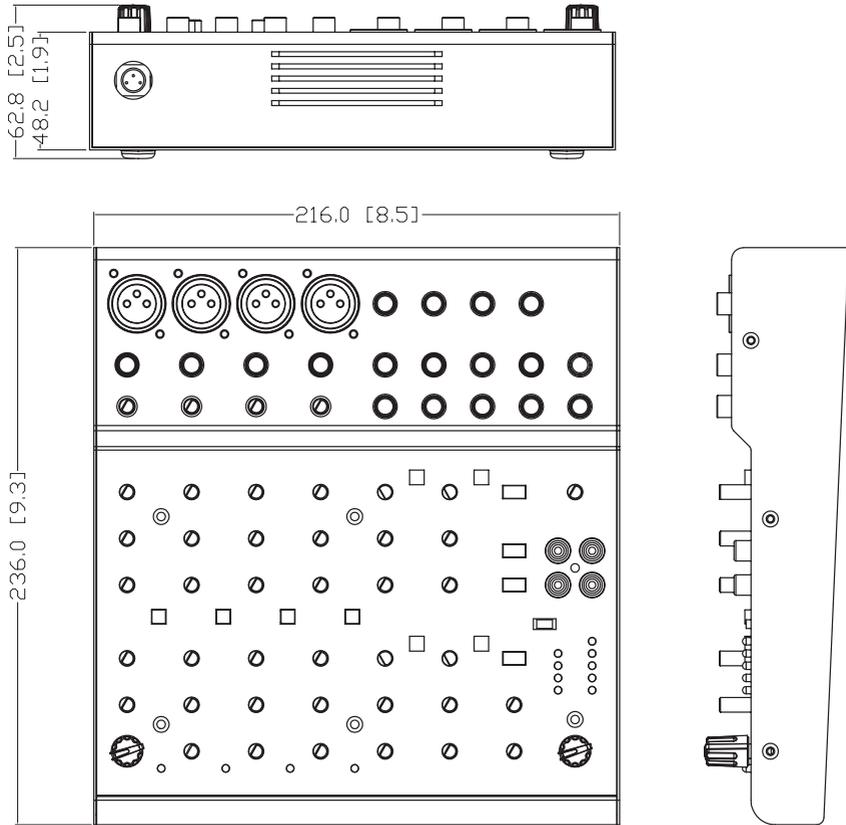
measurements are shown in mm/inches  
 Todas las medidas están mostradas en mm/pulgadas.

AM105 / AM105FX



measurements are shown in mm/inches  
Todas las medidas están mostradas en mm/pulgadas.

AM125 / AM125FX



measurements are shown in mm/inches  
 Todas las medidas están mostradas en mm/pulgadas.

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