

**SX60m**  
60W Mono-Aural Power Amplifier

**Owners Manual**





Perreux Industries Limited makes no warranty for the use of its products, other than those expressly contained in the warranty detailed herein. The Company assumes no responsibility for any errors which may appear in this document, reserves the right to change products or specifications detailed herein at any time without notice, and does not make any commitment to update the information contained herein. No licenses to patents or other intellectual property of Perreux are granted by the Company in connection with the sale of Perreux products, expressly or by implication.

**PERREAUX<sup>®</sup>** is a registered trademark of Perreux Industries Ltd.

Terms and product names in this document may be trademarks of others.



This page has intentionally been left blank.

## Introducing the Perreux Silhouette Series

Designed as a range of high quality, yet affordable modules; the 'Silhouette' series will compliment and enhance your existing system.

Drawing on our extensive knowledge gained from more than a quarter of a century of developing highest quality audio products, the 'Silhouette' concentrates our legendary design and build quality into a compact package without sacrificing performance.

The Perreux 'Silhouette' series provides performance levels never before seen in its class.

### Key Features

- Class A signal stages
- Highest quality internal power supply featuring a custom designed, fully shielded toroidal transformer and 17600 $\mu$ F of smoothing capacitance
- Enhanced audio design featuring highest quality PCB and minimal internal wiring
- Balanced (XLR) input
- Balanced and Unbalanced line out connections for daisy chaining and bi-amping
- High current drive
- Compact
- Stylish

*The Perreux "Silhouette" series takes you even closer to the elusive goal of "The Perfect Re-Creation of a Musical Event".*

From all of us at Perreux Industries Limited, thank you for choosing the Perreux Silhouette Series SX60m Mono-Aural Power Amplifier.



## ii

# Important Safety Instructions

Note: Please read all instructions carefully before attempting to operate your Perreaux "Silhouette" SX60m Mono-Aural Power Amplifier.

**ALWAYS** switch off power to your system before attempting to connect or disconnect cables.

**ALWAYS** disconnect your system from the mains before attempting to clean your unit.

**ALWAYS** keep electrical equipment out of reach of children.

**ALWAYS** unplug sensitive electronic equipment during electrical storms.

**NEVER** disconnect the mains earth from the system.

**NEVER** operate the SX60m with the cover removed.

**NEVER** use any liquid inside the SX60m.

**NEVER** bypass any fuse.

**NEVER** attempt to repair the SX60m. In the event of a problem, please contact your Perreaux dealer.

**NEVER** expose the SX60m to extremely high or low temperatures.

**NEVER** operate this product in an explosive atmosphere.



<b>i</b>	<b>Introducing the Perreaux Silhouette Series.....</b>	<b>3</b>
<b>ii</b>	<b>Important Safety Instructions.....</b>	<b>4</b>
<b>iii</b>	<b>Table of Contents.....</b>	<b>5</b>
<b>1</b>	<b>Unpacking and Placement.....</b>	<b>6</b>
<b>2</b>	<b>Instant Install.....</b>	<b>7</b>
<b>3</b>	<b>Front Panel Functions.....</b>	<b>9</b>
<b>4</b>	<b>Rear Panel Functions .....</b>	<b>10</b>
<b>5</b>	<b>Special Design Philosophies .....</b>	<b>13</b>
<b>6</b>	<b>Special Design Features.....</b>	<b>15</b>
<b>7</b>	<b>Care and Maintenance .....</b>	<b>17</b>
<b>8</b>	<b>Warranty Information.....</b>	<b>18</b>
<b>9</b>	<b>Extended Warranty Registration Form.....</b>	<b>19</b>
<b>10</b>	<b>Troubleshooting Guide .....</b>	<b>20</b>
<b>11</b>	<b>Specifications.....</b>	<b>22</b>
<b>12</b>	<b>Physical Dimensions.....</b>	<b>25</b>
<b>13</b>	<b>Contact Details .....</b>	<b>26</b>

# 1

## Unpacking and Placement

### Unpacking Procedure

The SX60m is packaged for maximum protection. To open, sit the box upright and cut the reinforced tape at the top of the box. The product can now be removed.

Pull the foam protecting end-caps off either side of the unit and remove the black material covering.

The SX60m Mono-Aural power amplifier is now unpacked and ready for further installation.

### Note:

Please retain all packaging material for future transport.

### Box Contents

- 1 x SX60m Mono-Aural power amplifier
- 1 x Product manual
- 3 x Performance analysis charts
- 1 x Detachable AC power cord

### Placing Your SX60m

The SX60m should generally be placed close to your source equipment, thus keeping interconnect cabling between the SX60m and associated components as short as practical. This will reduce the systems susceptibility to radio frequency interference and the negative effects associated with long cables.

### Ventilation Requirements

The SX60m is a convection cooled amplifier. For optimal performance, the unit MUST receive adequate ventilation.

- Please do not cover the product with a cloth or similar.
- Please do not mount the SX60m directly onto carpeted surfaces.

In the event that the SX60m is to be incorporated into custom cabinetry, please refer to the dimensional information provided in the Physical Dimensions section of the manual (Chapter 12).

### Note:

Please take all necessary steps to ensure that the unit receives adequate ventilation

If you are like us, the first thing you will want to do is to play your favourite piece of music through your new SX60m. The following instructions are written to enable you to achieve this as quickly as possible. These are not comprehensive instructions, but are designed to enable you to play music now!

Note: Please take the time to read the SX60m manual thoroughly as it incorporates many features, which will enhance its operation.

### **Placement**

The SX60m is a convection cooled amplifier and best results will be achieved when placed on a solid surface with adequate ventilation. DO NOT place on a carpeted floor or cover the amplifier!

Place the SX60m close or near the source component in order to make as short a connection as possible.

### **Turn off associated components**

This minimises the potential to damage any other components when connecting your SX60m into the system.

### **Connect source to preamplifier**

Connect the audio output from the source component to the input of the preamplifier.

### **Connect preamplifier to SX60m**

Connect the audio output from the preamplifier to the unbalanced (RCA) input at the rear of the SX60m. Refer to Chapter 4 for Rear Panel information.

### **Connect loud speaker cable to SX60m**

Connect your loudspeaker lead to the binding posts at the rear of the amplifier. Refer to Chapter 4 for Rear Panel information.

Note: Make sure the nominal impedance of the loudspeakers is not lower than 4Ω.



Caution!

---

### **Switch on SX60m**

---

Prior to connecting the AC mains, please check the voltage label on the rear panel to ensure that your unit conforms to the power supply in your area. Never attempt to connect the unit to the incorrect voltage.

---

Insert the power cord supplied into the rear of the SX60m and into the wall. Switch on the socket at the wall and turn on the power of the SX60m by setting the power switch down.

### **Switch on preamplifier and source component**

Turn on the preamplifier. Power up your source component and start your favourite recording. Slowly increase the preamplifier volume to achieve a comfortable listening level.

### **CONGRATULATIONS!**

Now that you have achieved your first objective, sit back, relax and please read the rest of the manual at your own pace in your favourite armchair whilst sipping a hot cup of coffee. You'll find the whole experience much more pleasurable whilst listening to music.

### 3

## Front Panel Functions

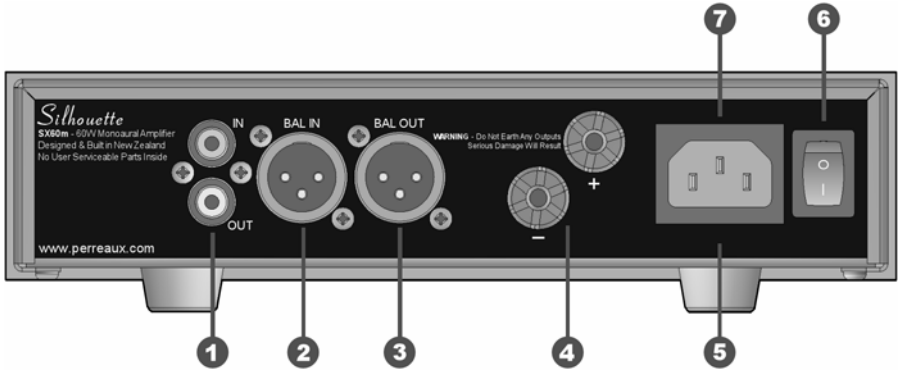


**1 Power LED**

This blue LED indicates the power status of your SX60m Mono-Aural Power Amplifier.

# 4

## Rear Panel Functions



### 1 Unbalanced Input and Output

Unbalanced Input from preamplifier, accepts a standard unbalanced input (RCA). The input connection is the uppermost connector, indicated by red inner ring. Line Output to other amplifiers (e.g. bi-amping), accepts a standard unbalanced input (RCA). For more information on Line Input and Output specifications, please refer to Chapter 11.

Caution!

Never apply signal to the Balanced and Unbalanced inputs simultaneously.

### 2 Balanced Input

Accepts a signal from a preamplifier with balanced outputs via high quality XLR connectors. The use of good quality balanced interconnects allows the input signal to be relatively immune to noise and external effects caused by the use of long interconnect cables, helps reduce hum loop noise and aids in the cancellation of distortion products.

The pin assignments of the balanced XLR input connector is as follows:



- Pin 1: Signal ground
- Pin 2: Signal + (non-inverting)
- Pin 3: Signal - (inverting)
- Shield ground: Chassis ground

For more information on line input specifications, please refer to Chapter 11.

**Note:** Please refer to the operating manual of your preamplifier to verify that the pin assignments of the balanced output connectors correspond to the SX60m balanced inputs. In the event that they are not compatible, the interconnecting cable will need to be altered to suit.

### 3 Balanced Output

Balanced Output to other amplifiers (e.g. bi-amping), accepts a standard balanced connector (XLR).

The pin assignments of the balanced XLR output connectors are as follows:



Pin 1: Signal ground  
Pin 2: Signal + (non-inverting)  
Pin 3: Signal - (inverting)  
Shield ground: Chassis ground

For more information on line output specifications, please refer to Chapter 11.

**Note:** Please refer to the operating manual of your amplifier to verify that the pin assignments of the balanced input connectors correspond to the SX60m balanced outputs. In the event that they are not compatible, the interconnecting cable will need to be altered to suit.

### 4 Speaker Binding Posts

Binding posts are clearly marked and colour coded RED Positive (+) and BLACK Negative (-). This polarity must be observed when connecting loudspeakers, i.e. positive terminal of the SX60m to the positive terminal of the loudspeaker and negative terminal of the SX60m to the negative terminal of the loudspeaker.

**Caution!** Never connect either of the output terminals to ground.  
Never connect the amplifier's output terminals to any device other than a loudspeaker.  
Please do not short-circuit the amplifier's output terminals.  
Never connect the output of one amplifier to the output terminals of another amplifier.  
Do not over-tighten the binding posts on your amplifier.

### **5 Serial Number/Voltage Label**

The serial number is unique to your SX60m. Please record this number and store it in a safe place. For any service related enquiry, please be prepared to quote the product serial number to Perreux personnel or their service representative.

The voltage displayed in this area is the **ONLY** voltage that can be accepted by the unit.

Caution!

---

Never attempt to connect the unit to the incorrect voltage.

---

### **6 On/Off Switch**

When operating the switch down, power is applied to the SX60m.

### **7 AC Mains Input**

An IEC-standard mains input is provided at the rear of the unit. The AC cord set is removable, allowing it to be upgraded at your will.

**Minimalist  
Design**

Perreux has been designing and manufacturing only the highest quality audio componentry for more than a quarter of a century. Technology has continued to evolve rapidly over that time and our knowledge and application of design, materials and manufacturing techniques has advanced in tandem with this. Today's Perreux range comes closer to fulfilling our shared vision than at any other time in the past.

The SX60m has been developed to meet customer demands for compact higher quality products. Careful attention has been taken throughout the development phase, not to make compromises that would degrade the high quality of reproduction that the unit is capable of delivering.

To follow is a discussion on some of Perreux design philosophies that have been incorporated into the entire range.

Leading British architect, John Pawson, writes:

*“The Minimum can be defined as the perfection that an object achieves when it is no longer possible to improve it by subtraction. This is the quality that an object has when every component, every detail, and every junction has been reduced or condensed to the essentials. It is the result of the omission of the inessentials”.*

Perreux has historically embraced the minimalist ethic from an audio design perspective only. The concept of “less equating to more” has been at the heart of all Perreux audio designs for more than a quarter of a century. Our current product offering takes the minimalist ethic to new levels by totally embracing the concept.

**Minimalist Electronics**

We wish to maximise the quality of your listening pleasure by keeping the componentry and signal path as uncluttered, short and clean possible. All components in the signal path, even those of the highest quality have an effect on the signal, thereby altering the quality of the reproduction in some way. Our aim is to recreate in its entirety, the original performance by not adding or subtracting anything, irrespective of the source.

### **Minimalist Aesthetics**

Our products appeal to those who seek the ultimate in audio exclusivity, namely the perfect blend of “form and function”.

“Form and function” are both tough masters. We make no excuses for producing some of the most distinctive high-end audio products on the planet. We let “form and function” blend together in perfect harmony. This surely is the essence of true minimalist utilisation.

### **Minimalism in a Wider Context**

John Pawson writes:

*“Clearly simplicity has dimensions to it that go beyond the purely aesthetic: it can be seen as the reflection of some innate, inner quality, or the pursuit of philosophical or literary insight into the nature of harmony, reason, and truth”.*

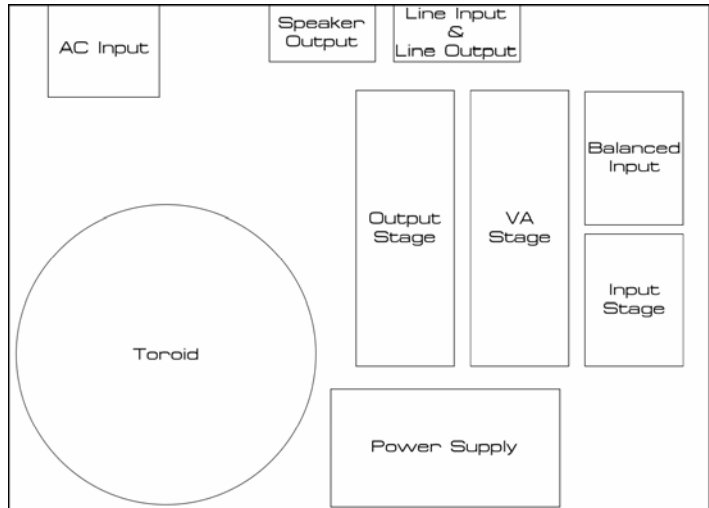
# 6

## Special Design Features

### Construction

The SX60m is stylish and unobtrusive. The front panel is made from high quality solid 6.0mm (0.2”) thick aluminium extrusion featuring our trademark machined Perreaux logo and large volume control knob. These are finished in durable and stylish satin chrome finish electroplate. On/off status is provided via a discreet blue LED inset into the front panel. The chassis and cover are both manufactured from heavy gauge steel. No cover fixing screws are visible. These minimalist styling cues combine seamlessly to allow form and function to blend in harmony and are typical hallmarks of the Perreaux brand.

### Circuit Topology



### Compact

At 216mm (8.5”) wide x 58mm (2.3”) high x 178mm (7.0”) deep the SX60m is extremely compact.

### Unsurpassed Performance

Capable of continuously delivering 60W into an 8Ω load, the SX60m is powerful. When correctly matched to loudspeakers, the SX60m will deliver unsurpassed performance in its class and will effortlessly drive a vast array of loudspeakers with the control and authority that people have come to expect from Perreaux products.

### Signal Ground

Special attention has been paid to ground planes to maintain sonic purity. All signal grounding is optimised to provide a platform for a black background and increased dynamic range.



**Finest Quality Components Used Throughout The Power Supply**

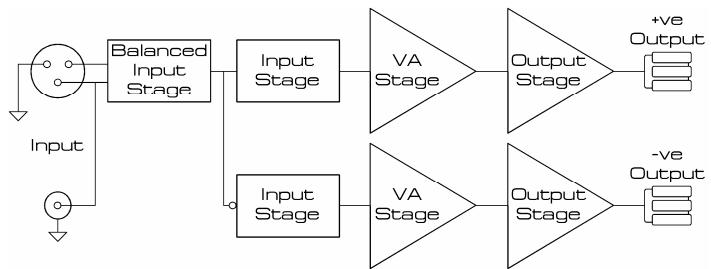
The SX60m features a 98VA toroidal mains transformer directly soldered to the PCB, Wima and Elna capacitors, highest quality Zobel network and customized internal heat sink solution. The PCB is double-sided and constructed from the highest quality fibreglass base stock featuring 2oz copper.

Perreaux has specially developed a fully shielded 98VA internal toroidal based power supply. No fewer than eight filter capacitors are coupled in parallel providing a total of 17,600uF of power supply smoothing, keeping ripple to a minimum. As a result the power supply is extremely rigid, capable of delivering instantaneous power requirements demanded by musical transients. The result is significantly improved dynamic capabilities.

**Simple control functionality**

Front panel features on/off LED indication. The rear panel comprises a mains input receptacle, allowing the cord set to be upgraded if desired, mains switch, high quality speaker binding posts, unbalanced (RCA) and balanced (XLR) line inputs and line outputs.

**Block Diagram**



**Ultra Short Signal path**

Careful attention has been paid to the signal path within the amplifier. It is ultra short, guarded by ground planes where necessary and carefully routed to avoid contamination from power supply and high current bearing sections.

**Input Stage**

Utilising a stable current source, along with accurate current mirroring circuitry, the input stage of the SX60m, in combination with the overall circuit topology, provides precise detail resolution and definitive sonic transparency.

**PCB Layout**

Special attention has been lavished on the PCB layout to keep sensitive signal stages away from power supply and filtering circuitry. The super clean custom designed power supply is physically segregated from the rest of the sensitive electronics.

Note:	<p>Please switch the unit off and remove the cord set from the rear of the Amplifier before attempting to clean your SX60m in the manner described below.</p> <p>Never apply liquid directly to the SX60m.</p> <p>Never use abrasives.</p> <p>Never rub in a circular motion.</p>
Cover	<p>The cover features a durable high quality powder coat finish. To remove finger marks and dirt, lightly rub the surface with a soft cloth.</p> <p>If the dirt is not removed, dip your cloth in a mild solution of soap and water, squeeze excess moisture from it and then gently reapply to the surface.</p> <p>Stubborn dirt may be removed by the application of a small quantity of isopropyl alcohol, applied directly to the cleaning cloth only, and reworking the effected area.</p>
Front Panel	<p>The SX60m front panel features a high quality electroplate finish. Over time the surface may retain finger marks and may need to be cleaned to restore it to original condition.</p> <p><b>Regular Cleaning</b></p> <p>Gently wipe the front panel with a very clean cotton cloth. Wipe across the surface and never in a circular motion.</p> <p><b>Removing Stubborn Marks</b></p> <p>Only attempt this infrequently, as too regular or vigorous application may damage the surface.</p> <p>Apply a small quantity of any car polish containing carnauba wax to a very clean cotton cloth.</p>
Note:	<p>The car polish must state "Safe for Clear Coats" as the polish will therefore contain the absolute minimum amount of abrasive compound.</p> <p>Gently wipe over the front panel in lateral motion, allow to dry then gently wipe off with a very clean cotton cloth.</p>

**1 Year  
Limited  
Warranty**

The Perreaux SX60m is warranted free from defects in material and workmanship under normal use for a period of 1-year (365 days) from the date of purchase.

To extend the warranty of the Perreaux SX60m to three (3) years from date of purchase, please return a fully completed warranty registration form along with a copy of the original receipt of purchase to:

Perreaux Industries Ltd  
PO Box 305  
Mosgiel  
Dunedin 9032  
New Zealand

For the Extended Warranty Registration Form, please refer to Chapter 9.

**3 Year  
Extended  
Warranty**

The extended warranty for the Perreaux SX60m is three (3) years from the date of purchase. If during the warranty period the SX60m exhibits defects in materials and/or workmanship, it will be repaired or replaced, at our option, without charge for either parts or labour, at our factory in Dunedin, New Zealand. The warranty does not apply to any unit that has been misused, abused or altered.

Any unit that is not performing satisfactorily may be returned to the factory in Dunedin, New Zealand for evaluation. Return authorisation must first be obtained by either calling or writing to Perreaux prior to shipping the unit. Perreaux Industries Ltd and its authorised distributors and dealers shall not be held liable for any freight or insurance charges. Freight and insurance charges to and from the Perreaux factory will be the sole responsibility of the owner of the unit.

There is no other express warranty on the SX60m. Neither this warranty nor any other warranty, express or implied, including any implied warranties of merchantability of fitness, shall extend beyond the warranty period. No responsibility is assumed for any incidental or consequential damages.

**Obtaining  
Service**

In the event that you are experiencing difficulty with your SX60m, please as a first step consult the troubleshooting guide in Chapter 10. For further assistance, please contact your Perreaux dealer.



9

# Extended Warranty Registration Form

Please complete this form and either fax, mail or e-mail it, along with a copy of the original receipt, to Perreux Industries Ltd.

Fax: +64 3 489 2976

Mail: Perreux Industries Ltd  
PO Box 305  
Mosgiel  
Dunedin 9032  
New Zealand

E-mail: info@perreux.com

Alternatively, complete the online Warranty Registration Form on our website – www.perreux.com.



## 3 Year Extended Warranty Form



Name:

Address:

Suburb:

City:

Country:

Telephone:

E-mail:

Website:

Product:

Serial No:

Dealer:

Purchase Date:  /  /   
d d m m y y y y

**There is no output from my system**

Please use this guide if you are experiencing any problems with the SX60m in your system. It will provide possible solutions for some given symptoms.

**SX60m not turned on**

Make sure the SX60m power switch is in the DOWN position.

**AC cord not plugged in**

Check that the AC cord is plugged into the IEC socket on the rear of the SX60m.

**Mains power not turned on**

Check if the power is turn on at the mains socket on the wall.

**Interconnect cables not connected**

Make sure that the input and output interconnect cables are plugged in and are connected to the respective RCA sockets on the rear of the SX60m.

**Source not turned on**

Check that your source component is plugged in to the mains and the power is turned on.

**Source not set to play**

Ensure that your source component is playing the recording you would like to listen to, and that pause is not pressed.

**No volume setting**

Make sure that the volume on your preamplifier is set to a suitable level.

**SX60m set to incorrect input**

Confirm that the input on your SX60m is connected to the appropriate preamplifiers output.

**Loud speakers not connected**

Check that your loud speakers are firmly connected via cables into the binding posts on the rear of the SX60m.

**I can hear a hum coming through my loud speakers**

Input sockets and/or output binding posts corroded

Check that the input and output RCA sockets and binding posts on the rear of the SX60m are free from corrosion.

Interconnect cables damaged

Make sure that the integrity of your interconnect cables is sound and they are firmly connected to your source and the SX60m.

SX60m is close to external interference

Check the proximity of your SX60m to any possible source of EMI and/or RF interference, for example computers, televisions, amplifiers, speakers, etc. Ideally the SX60m should be placed as close as possible to your source.



The correlation between published specifications and sonic quality can be unreliable. A list of numbers reveals virtually nothing. All technical measurements must be subject to qualitative as well as quantitative interpretation. Measurements of the SX60m reveal excellent results by any standards. Tested at 115V and 230V after a 10 minute warm up period.

**Specifications  
in Brief**

Rated Power Output.....	60W <sub>RMS</sub> into 8Ω
.....	75W <sub>RMS</sub> into 4Ω
Short Term Peak Power Output .....	255W into 8Ω
.....	350W into 4Ω
Voltage Swing .....	110.4V <sub>P-P</sub>
Input Sensitivity:	
Balanced.....	0.37V <sub>RMS</sub>
Unbalanced.....	0.27V <sub>RMS</sub>
Gain:	
Balanced.....	35.6dB
Unbalanced.....	38.2dB
Input Impedance:	
Balanced.....	20kΩ
Unbalanced.....	10kΩ
Total Harmonic Distortion (THD+N):	
Typically .....	0.002%, @ 1kHz into 8Ω
20Hz to 20kHz .....	<0.02%
Frequency Response:	
20Hz–20kHz.....	+0dB, -0.05dB
5Hz–60kHz.....	+0dB, -0.25dB
Signal to Noise Ratio:	
Rated Output ( <i>unweighted</i> ).....	100dB
Dynamic Headroom ( <i>rated with music</i> ) .....	>2.0dB
Power Consumption:	
Idle.....	10W
Maximum ( <i>at 75W into 4Ω</i> ) .....	85W
<b>Audio Connections</b>	
Inputs .....	2 line level ( <i>RCA and XLR</i> )
Outputs .....	2 line level ( <i>RCA and XLR</i> )
.....	1 pair speaker binding posts

## Other Connections

IEC AC mains input receptacle

## Mains Input Voltage

115V or 230V AC at 50Hz/60Hz

*(Set within the SX60m at time of manufacture)*

## Internal Mains Fuse Rating

1 x 2SB 500mA slow blow

*(NOT user serviceable)*

## Internal Output Fuse Rating

2 x 2SB 4A normal blow

*(NOT user serviceable)*

## Overall Dimensions

Width .....	216mm (8.5")
Depth .....	178mm (7.0")
Height .....	58mm (2.3")

## Weight

Gross .....	3.0kg (6.6lb)
Net .....	2.4kg (5.3lb)

## Specifications Explained

Rated Power Output ..... 60W<sub>RMS</sub> into 8Ω

This is the optimum operating level of the unit, offering the best performance whilst allowing a large enough buffer to accommodate the unpredictable nature of music. It is the reference output level to which other specifications, such as sensitivity and gain, are referred. The Rated Output does not indicate the full capability of the SX60m.

Short Term Peak Power Output..... 255W into 8Ω

Having the capability to provide high levels of short term peak power enables the SX60m to faithfully recreate the greater musical dynamics of today's low noise, high-resolution formats. This high level of short term peak power is what gives the SX60m the clout to punch well above its weight.

Voltage Swing..... 110.4V<sub>P-P</sub>

Loud transients call for a sudden burst of power from the amplifier to drive the speakers. This force is voltage. Peak-to-peak voltage is a more useful specification than Watts when it comes to delivering power to a speaker.

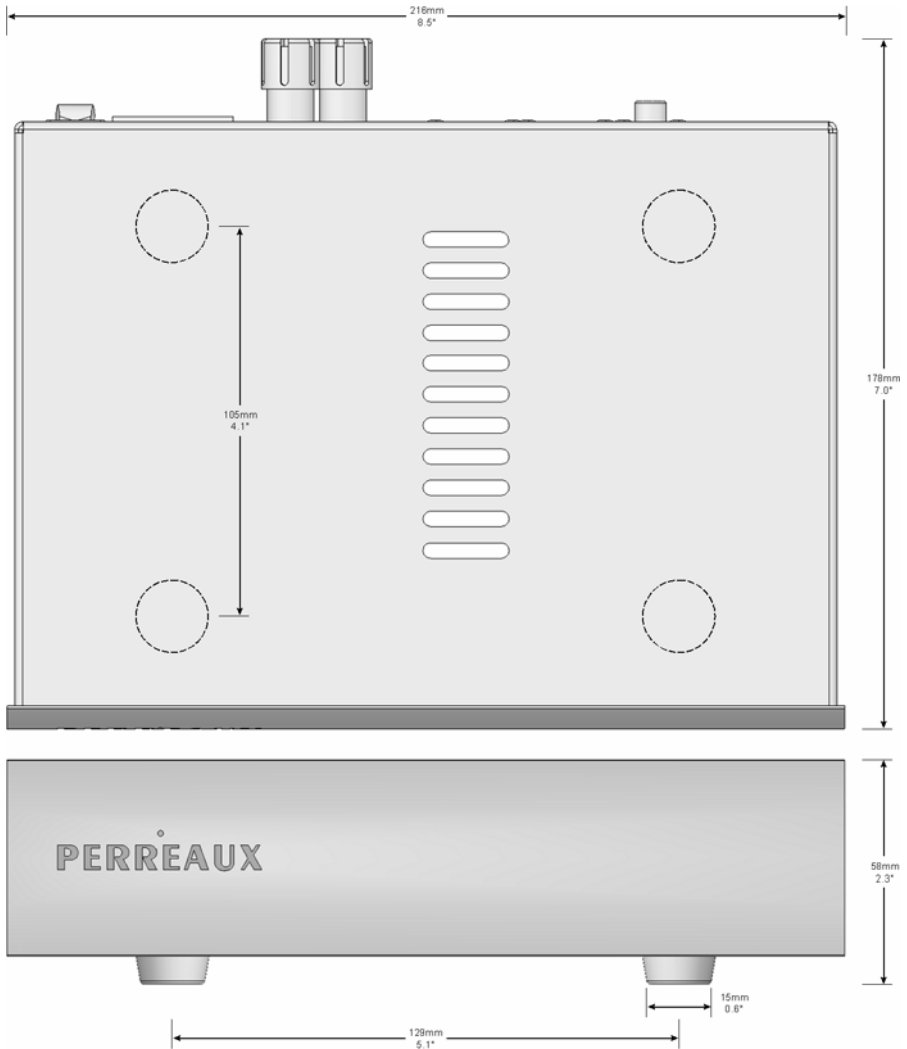




Input Sensitivity.....	0.37V <sub>RMS</sub>
The Input Sensitivity figure indicates the input voltage required to achieve “rated” output (60W <sub>RMS</sub> into 8Ω).	
Gain.....	35.6dB
The amount of amplification the amplifier is asserting on the input signal. Gain can be calculated by dividing the rated output by the input sensitivity.	
Input Impedance.....	20kΩ
The resistance “load” that is presented to the source component that is driving the SX60m.	
THD+N.....	0.002%, @ 1kHz into 8Ω
Total Harmonic Distortion + Noise is the percentage of output signal which is made up of frequencies added due to harmonics of the fundamental frequency and noise. By using low-noise input circuitry and Class A signal stages, Perreux engineers have kept this figure to a minimum.	
Frequency Response.....	20Hz to 20kHz, +0dB -0.05dB
Describes the frequency range where the amplitude or strength of the output signal deviates by no more than 0.05dB.	
Signal to Noise Ratio ( <i>unweighted</i> ).....	100dB
The ratio of desired signal to noise signals in the output. Perreux engineers have designed the SX60m to maintain a low noise floor.	
Dynamic Headroom.....	>2.0dB
This indicates the SX60m can provide more than enough extra power to cope with the sharpest musical transients. Without adequate headroom, an amplifier can become unstable under clipping conditions. Perreux amplifiers are intrinsically stable under all dynamic conditions.	

# 12

## Physical Dimensions





For more information please contact your Perreaux dealer, or contact:

Perreaux Industries Ltd  
PO Box 305  
Mosgiel  
Dunedin 9032  
New Zealand

Ph: +64 3 489 2975

Fax: +64 3 489 2976

E-mail: [info@perreaux.com](mailto:info@perreaux.com)

Internet: [www.perreaux.com](http://www.perreaux.com)



## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>