



USER MANUAL

WWW.LANEY.CO.UK

DESIGNED & ENGINEERED IN THE UK BY LANEY

GS212VR

GS412VR

WELCOME

Dear Player,

Thank you very much for purchasing your new Laney product and becoming part of the worldwide Laney family.

Each and every Laney unit is designed and built with the utmost attention to care and detail, so I trust yours will give you many years of enjoyment.

Laney products have a heritage which stretches back to 1967 when I first began building valve amplifiers in my parents' garage.

Since then we have moved on from strength to strength developing an extensive range of guitar, bass, public address, multi instrument and keyboard amplification products along with a list of Laney endorsees that includes some of the world's most famous and respected musicians.

At the same time we believe we have not lost sight of the reason Laney was founded in the first place - a dedication to building great sounding amplification for working musicians.

Warm Regards,

A stylized, handwritten signature in black ink, consisting of a large, sweeping 'L' followed by a series of loops and a final horizontal stroke.

Lyndon Laney
Chairman and Founder.

The GS412VR & GS212VR are Pro cabinets developed for use with the GH50R, GH100R or indeed any amplifier from the Laney range - but equally would be a great addition to your existing guitar amplifier.

The GS412VR is a straight fronted cabinet with an angled baffle and can be used singly, or doubled up to form a full stack. Rated at 240W Mono (or 2 x 120W Stereo)

The GS212VR rated at 120 watts Mono (or 2 x 60W Stereo) again can be used in isolation or combined with the 4x12 cabinet.

Finished in a striking Ox blood red & black leather grain livery complete with black stringing the GS412VR and GS212VR cabinets feature high quality plywood construction, large easy grip bar handles and are loaded with Celestion Vintage 30 drivers chosen by discerning ears to handle the wide range of tones the GH range is capable of delivering gig after gig. Each cabinet features a stereo switch plate on the rear of the cabinet allowing for mono or stereo operation depending on your requirements. Each corner is protected by a steel protector and the 4x12 option comes fitted with road rugged castors for ease of movement.



GS412VR



GS212VR

Every Laney product is designed to be used by discerning musicians in a wide variety of applications from the studio to the stage. So with this in mind we undertake extensive testing of every Laney product, and by testing we mean actual playing. Whether in our test facilities or out in real world situations we spend a lot of time listening to each product making sure it delivers the tone it was conceived to deliver.

We are very happy to say that in every case it does.

We hope you enjoy using your new extension cabinet as much as we enjoyed designing and making it. It should give you years of trouble-free service, however please take time to read this manual, as it will allow you to fully utilise all the features.

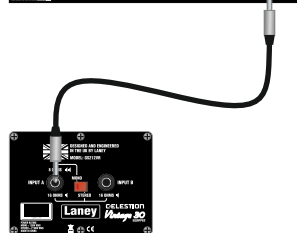
Best wishes from all at Laney.

SAMPLE MONO SYSTEMS



2 x12 System using
1x GH50R Head
1x GS212VR

Connected to the single
8 ohm socket.

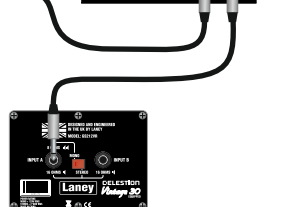


4 x12 System using
1x GH50R-212
1x GS212VR

Connect to the two
8 ohm sockets.



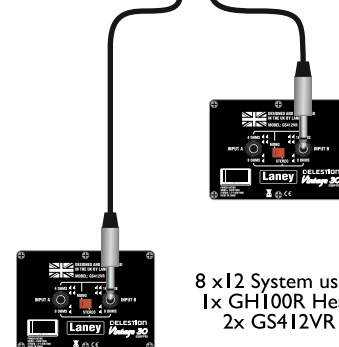
Integral
speakers



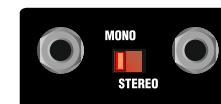
Both the GS212VR & GH50R-212
are fitted with a Laney Tilting Mechanism
so can be used upright or angled back!



Connect to
the two
16 ohm sockets.



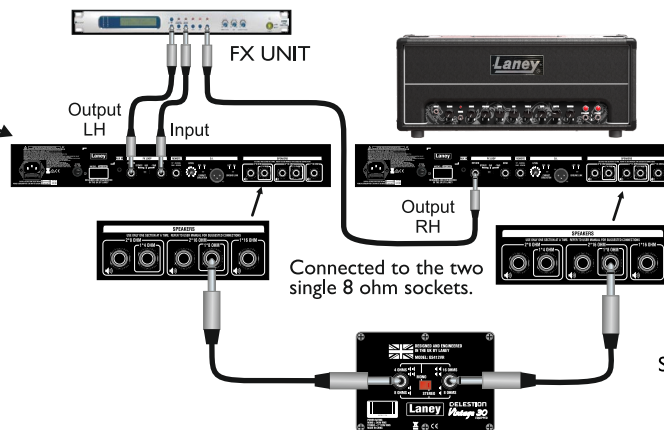
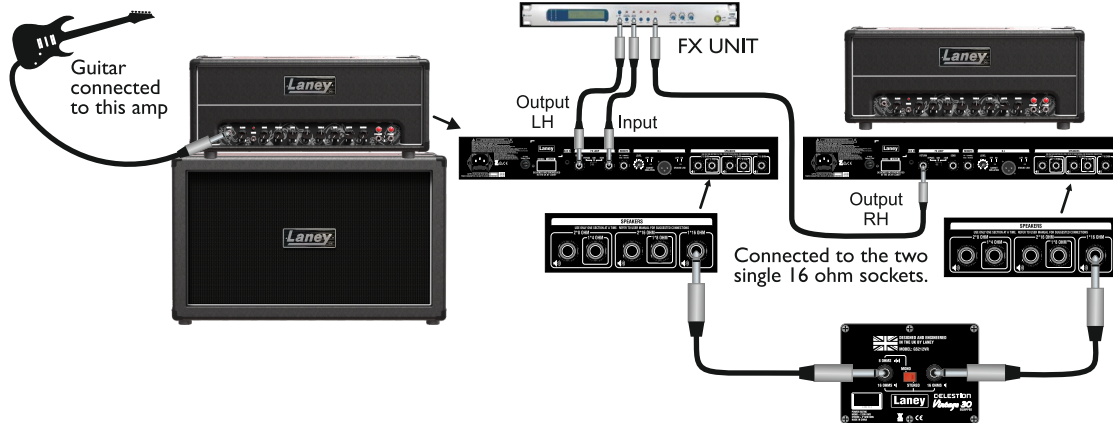
8 x12 System using
1x GH100R Head
2x GS412VR



All cabinet mode selection
switches on this page
are set to Mono

SAMPLE STEREO SYSTEMS

Stereo system using
2x GH50R Heads
1x GS2I2VR
& FX Unit



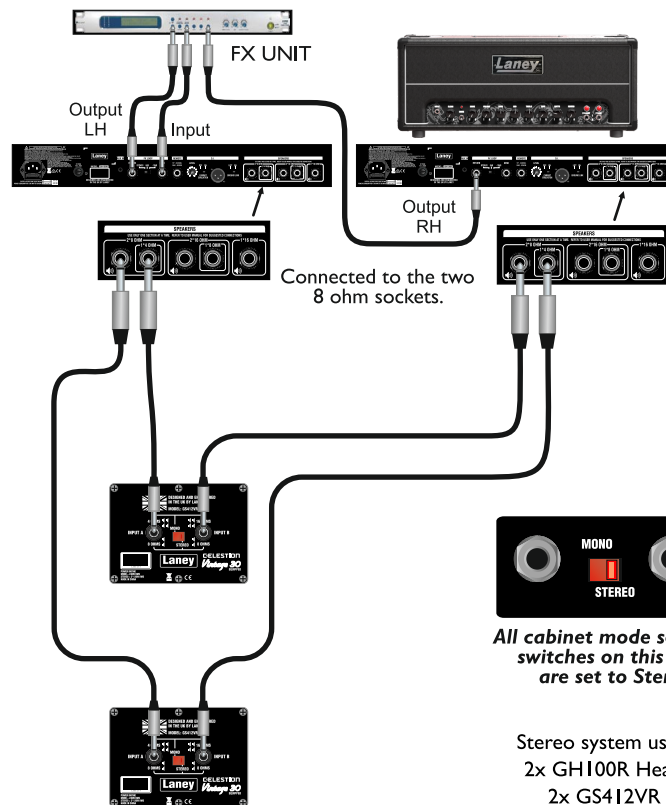
Stereo system using
2x GH100R Heads
1x GS4I2VR
& FX Unit



*All cabinet mode selection
switches on this page
are set to Stereo*

SAMPLE STEREO SYSTEMS

Guitar connected to this amp



All cabinet mode selection switches on this page are set to Stereo

Stereo system using
2x GH100R Heads
2x GS412VR
& FX Unit



SPECIFICATIONS	GS412VR			GS212VR		
Loudspeaker	4 x 12" Celestion Vintage 30			2 x 12" Celestion Vintage 30		
Power Rating	Mono 240W RMS Stereo 2*120W RMS			Mono 120W RMS Stereo 2*60W RMS		
Size H*W*D*	826 (inc.castors)*755*358			455*755*355		
Weight	42.5 Kg - (Packed 47.5Kg)			25 Kg - (Packed 27.6Kg)		
INPUT	IMPEDANCE	M/S SWITCH	OPERATES	IMPEDANCE	M/S SWITCH	OPERATES
A	4 Ohms	Mono	All Speakers	8 Ohms	Mono	All Speakers
B	16 Ohms	Mono	All Speakers	N/A	Mono	All Speakers
A	8 Ohms	Stereo	RH Half of Cab	16 Ohms	Stereo	RH Half of Cab
B	8 Ohms	Stereo	LH Half of Cab	16 Ohms	Stereo	LH Half of Cab

Always use good quality speaker cables

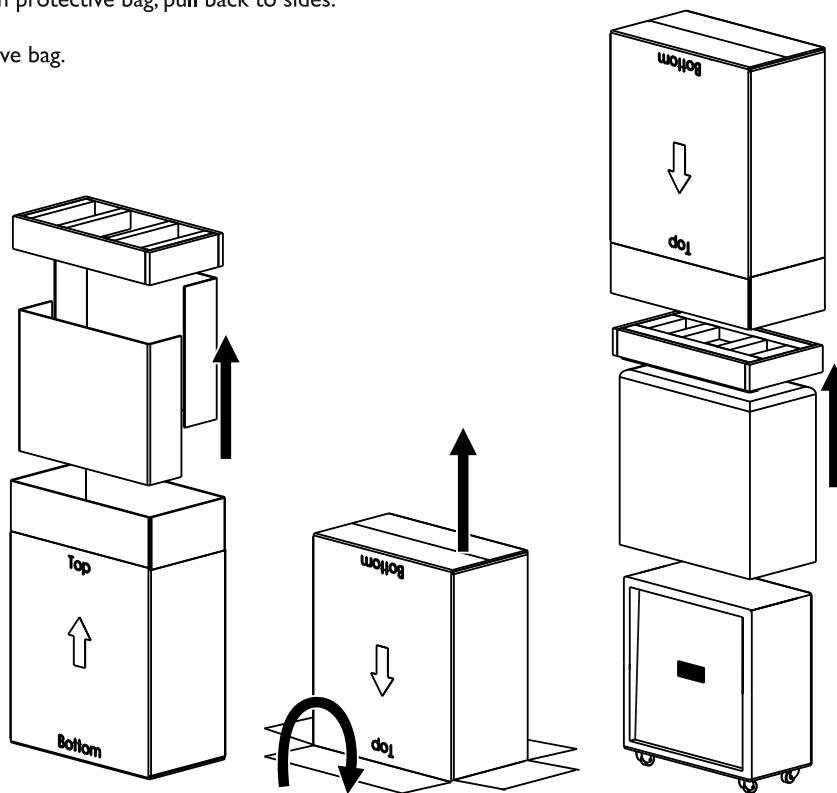
In the interest of continued development, Laney reserves the right to amend product specification without prior notification.

4 x12 CABINET UNPACKING INSTRUCTIONS

1. Open top of carton, remove top foam tray and open protective bag, pull back to sides.
2. Flip carton over. Cabinet rests on its castors.
3. Remove the Carton, bottom foam tray and protective bag.
4. Enjoy.

CHECK CONTENTS ARE ALL INCLUDED

ITEM NO.	DESCRIPTION	QTY
1	Cabinet	1
2	Top Foam Tray	1
3	Bottom Foam Tray	1
4	Cardboard Inserts	2
5	User Manual	1



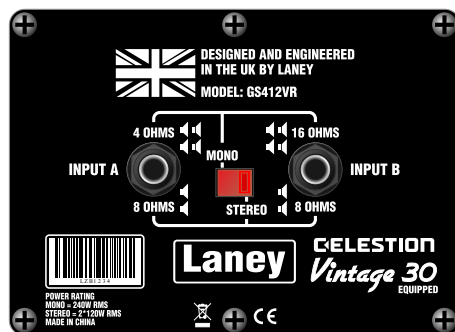
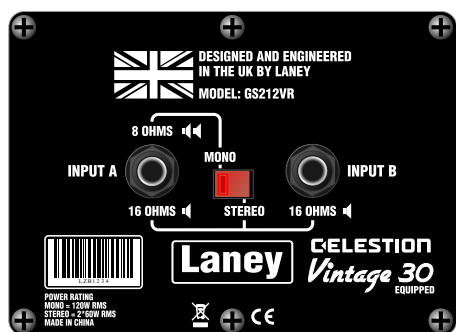


USER MANUAL

TRANSLATIONS

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ESPECIFICACIONES	GS412VR			GS212VR		
Altavoces	4 x 12" Celestion Vintage 30			2 x 12" Celestion Vintage 30		
Potencia	Mono 240W RMS Estéreo 2*120W RMS			Mono 120W RMS Estéreo 2*60W RMS		
Medidas AxAxP	826 (inc.ruedas)*755*358			455*755*355		
Peso	42.5 Kg - (Embalado 47.5Kg)			21.5 Kg - (Embalado 24Kg)		
ENTRADA	IMPEDANCIA	CONM. M/S	OPERA	IMPEDANCIA	CONM. M/S	OPERA
A	4 Ohms	Mono	Todos altavoces	8 Ohms	Mono	Todos altavoces
B	16 Ohms	Mono	Todos altavoces	N/A	Mono	Todos altavoces
A	8 Ohms	Estéreo	Solo derechos	16 Ohms	Estéreo	Solo derechos
B	8 Ohms	Estéreo	Solo izquierdos	16 Ohms	Estéreo	Solo izquierdos

INSTRUCCIONES IMPORTANTES DE SEGURIDAD

- 1). Lea las instrucciones cuidadosamente antes de instalar o de funcionar este producto.
- 2). Conserve estas instrucciones.
- 3). **Confórmese con advertencias:** Todas las advertencias e instrucciones para estos productos se deben adherir.
- 4). **Precaución:** Estos sistemas de altavoz profesionales son capaces de generar niveles de presión sonora muy altos. Tenga especial cuidado con la colocación y la operación evitar los niveles excesivos que pueden causar daño permanente de la audición.
- 5). **La exposición** a altos niveles de ruido puede causar una pérdida permanente en la audición. La susceptibilidad a la pérdida de audición provocada por el ruido varía según la persona, pero casi todo el mundo perderá algo de audición si se expone a un nivel de ruido suficientemente intenso durante un tiempo determinado. El Departamento para la Salud y para la Seguridad del Gobierno de los Estados Unidos (OSHA) ha especificado las siguientes exposiciones al ruido permisibles:

De acuerdo al OSHA, cualquier exposición que exceda los límites arriba indicados puede producir algún tipo de pérdida en la audición. Protectores para los canales auditivos o tapones para los oídos deben ser usados cuando se opere con este sistema de sonido para prevenir una pérdida permanente en la audición, si la exposición excede los límites indicados más arriba. Para protegerse de una exposición a altos niveles de sonido potencialmente peligrosa, se recomienda que todas las personas expuestas a equipamiento capaz de producir altos niveles de presión sonora, tales como este sistema de amplificación, se encuentren protegidas por protectores auditivos mientras esta unidad esté operando.

Duración por Día en Horas	Nivel de Sonido dBA, Respuesta Lenta
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 o menos	115



La intención de alertar al usuario de la presencia de "tensión peligrosa" alto dentro del recinto los productos puede ser suficiente para constituir un riesgo de descarga eléctrica para las personas.



La intención de alertar al usuario de la presencia de importantes de operación y mantenimiento (servicio) en la literatura que acompaña al producto.

CAUTION:

Riesgo de choque eléctrico - NO ABRIR. Para reducir el riesgo de descarga eléctrica, no retire la cubierta. No hay piezas que el usuario pueda reparar. Solicite la revisión al personal cualificado.

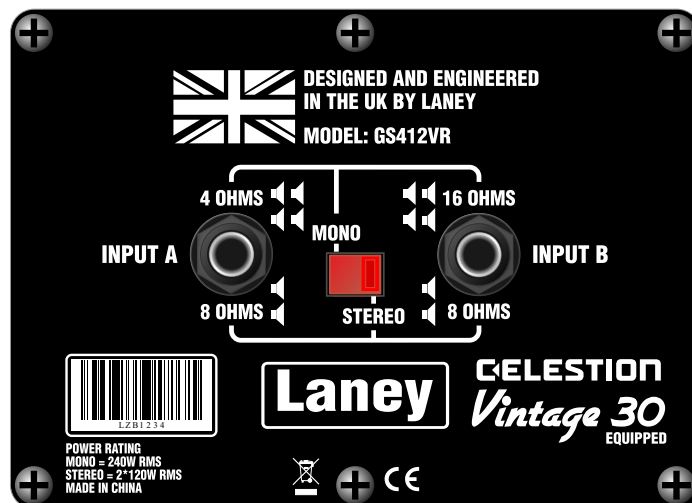
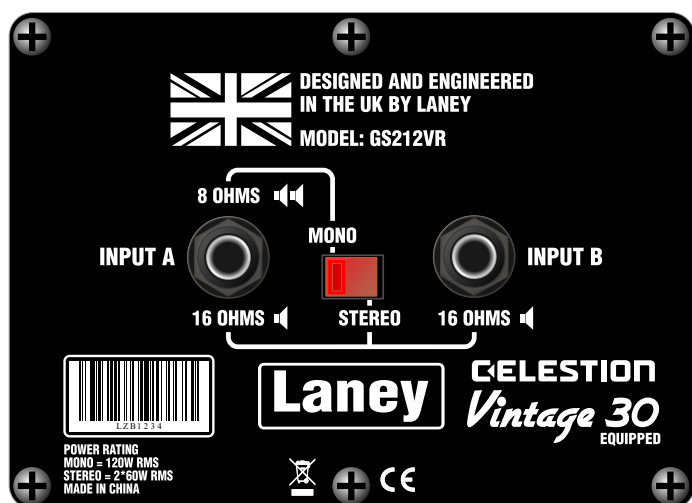
WARNING:

Para evitar descargas eléctricas o incendios, no exponga este aparato a la lluvia ni a la humedad. Antes de usar este aparato, por favor lea las instrucciones de funcionamiento.

Si el gabinete cuenta con un mecanismo de inclinación, por favor use esta característica con precaución. Utilice sólo sobre una superficie nivelada y estable. NO haga funcionar el gabinete en un escritorio, mesa, estantería o plataforma no estable.



En el interés del desarrollo continuo del producto, Laney se reserva el derecho a modificar las especificaciones sin previo aviso.



CARACTERISTIQUES	GS412VR			GS212VR		
Haut-Parleur	4 x 12" Celestion Vintage 30			2 x 12" Celestion Vintage 30		
Puissance	Mono: 240W RMS, Stéréo: 2 x 120W RMS			Mono: 120W RMS, Stéréo: 2 x 60W RMS		
Dimensions (H x L x P)	828 (avec roulettes) x 766 x 358			466 x 766 x 366		
Poids	42,6kg (47,5kg en carton)			21,5kg – (24kg en carton)		
Entrée	Impédance	Sélecteur M/S	Fonction	Impédance	Sélecteur M/S	Fonction
A	4 ohms	Mono	Tous les HP	8 ohms	Mono	Tous les HP
B	16 ohms	Mono	Tous les HP	N/A	Mono	Tous les HP
A	8 ohms	Stéréo	Moitié droite	16 ohms	Stéréo	Moitié droite
B	8 ohms	Stéréo	Moitié gauche	16 ohms	Stéréo	Moitié gauche

INSTRUCTIONS DE SÛRETÉ IMPORTANTES - En français

1). Lisez les instructions soigneusement avant d'installer ou actionner ce produit.

2). Maintenez ces instructions.

3). Conformez-vous aux avertissements: Tous les avertissements et instructions pour ces produits devraient.

4). **Attention:** Ces systèmes de haut-parleur professionnels sont capables de produire des niveaux très élevés de pression acoustique. Prenez soin avec le placement et l'opération d'éviter les niveaux excessifs qui peuvent endommager permanent audition.

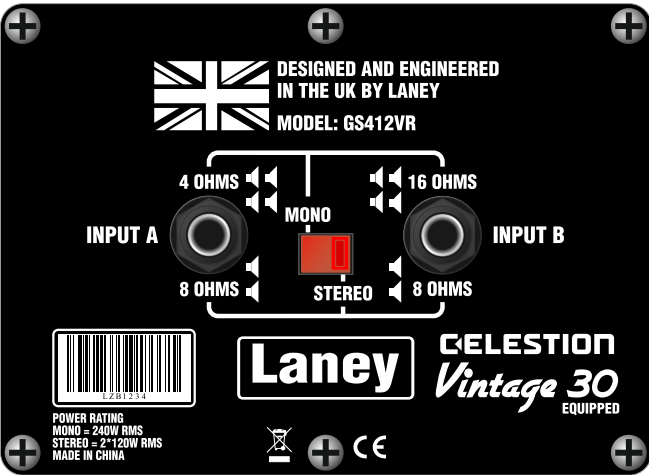
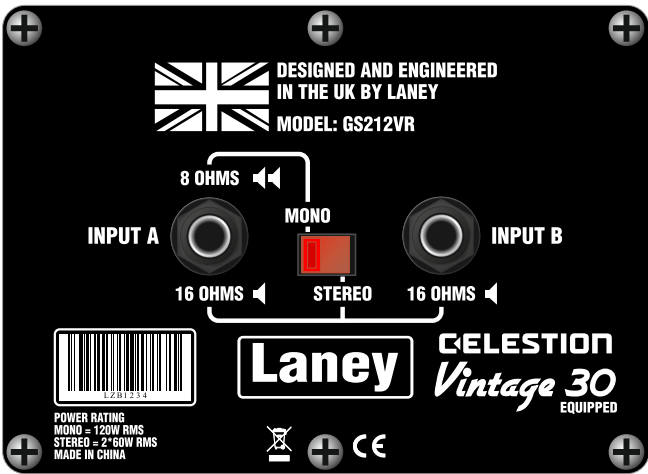
5). **L'exposition** aux niveaux extrêmement élevés de bruit peut causer une perte d'audition permanente. Les individus varient considérablement dans la susceptibilité à la perte d'audition due au bruit, mais presque chacun perdra une certaine audition si exposé au bruit suffisamment intense pendant un temps suffisant.

L'administration du gouvernement des États-Unis (OSHA) a spécifié les expositions permises suivantes de niveau de bruit : Selon l'OSHA, n'importe quelle exposition au-dessus des limites permises ci-dessus a pu avoir comme conséquence une certaine perte d'audition. Des boules quies ou les protecteurs aux canaux d'oreille ou au-dessus des oreilles doivent être portés en actionnant ce système d'amplification afin d'empêcher une perte d'audition permanente, si l'exposition est au-dessus des limites comme déterminé ci-dessus. Pour s'assurer contre l'exposition potentiellement dangereuse aux niveaux élevés de pression acoustique, on lui recommande que toutes les personnes aient exposé à l'équipement capable de produire les niveaux élevés de pression acoustique tels que ce système d'amplification soient protégées par les protecteurs auriculaires tandis que cette unité est en fonction.

Durée par Jour (heures)	Niveau sonore moyen (dBA)
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ ou inférieur	115

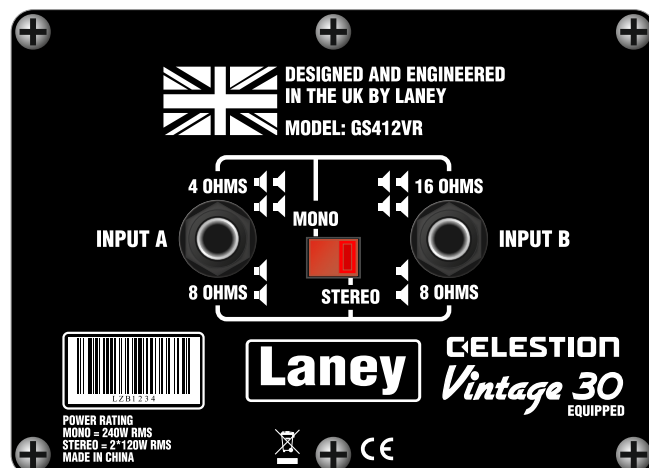
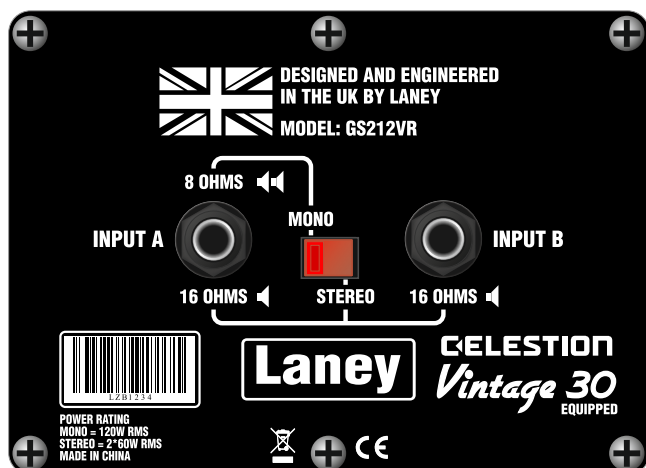


GS412VR, GS212VR 箱体



技术参数	GS412VR			GS212VR		
扬声器	4 X 12" 百变龙 Vintage 30			2 X 12" 百变龙 Vintage 30		
额定功率	单声道 240瓦额定功率 立体声2*120瓦额定功率			单声道 120瓦额定功率 立体声2*60瓦额定功率		
尺寸 高*宽*深	826（含脚轮）*755*358			455*755*355		
重量	42.5Kg - (含包装 47.5Kg)			21.5Kg - (含包装 24 Kg)		
输入	阻抗	M/S开关	操作	阻抗	M/S开关	操作
A	4欧姆	单声道	所有扬声器	8欧姆	单声道	所有扬声器
B	16欧姆	单声道	所有扬声器	不适用	单声道	所有扬声器
A	8欧姆	立体声	箱体右半部分	16欧姆	立体声	箱体右半部分
B	8欧姆	立体声	箱体左半部分	16欧姆	立体声	箱体左半部分

GS4I2VR, GS2I2VR キャビネット



SPECIFICATIONS	GS4I2VR			GS2I2VR		
Loudspeaker	4 x 12" Celestion Vintage 30			2 x 12" Celestion Vintage 30		
Power Rating	Mono 240W RMS Stereo 2*120W RMS			Mono 120W RMS Stereo 2*60W RMS		
Size H*W*D*	826 (inc.castors)*755*358			455*755*355		
Weight	42.5 Kg - (Packed 47.5Kg)			21.5 Kg - (Packed 24Kg)		
INPUT	IMPEDANCE	M/S SWITCH	OPERATES	IMPEDANCE	M/S SWITCH	OPERATES
A	4 Ohms	Mono	All Speakers	8 Ohms	Mono	All Speakers
B	16 Ohms	Mono	All Speakers	N/A	Mono	All Speakers
A	8 Ohms	Stereo	RH Half of Cab	16 Ohms	Stereo	RH Half of Cab
B	8 Ohms	Stereo	LH Half of Cab	16 Ohms	Stereo	LH Half of Cab

安全上のご注意

- 1) 本機をご使用になる前に、必ず本マニュアルをお読みください。
- 2) 本マニュアルは本機と一緒に保管してください。
- 3) 注意書きや説明に従ってご使用ください。
- 4) 注意: 本スピーカーシステムは大音量を出力します。設置場所や操作に注意してください。
- 5) 長時間大音量の中にいると、耳に障害が起こることがあります。

米国労働安全衛生法により、許容される音量レベルがチャートで定義されています。

許容範囲を超える音量の中にいると、耳に障害が起こる恐れがあります。これを防止するために、限度を超える音量で作業する時は、状況に応じて耳栓などを使用して保護してください。

感電や火災を防ぐために、本機を雨中や湿気の多い場所で使用しないでください。

Duration Per Day in Hours	Sound Level dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115



USER MANUAL

SAFETY INFORMATION

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In order to take full advantage of your new product and enjoy long and trouble-free performance, please read this owner's manual carefully, and keep it in a safe place for future reference.

1) Unpacking: On unpacking your product please check carefully for any signs of damage that may have occurred whilst in transit from the Laney factory to your dealer. In the unlikely event that there has been damage, please re-pack your unit in its original carton and consult your dealer. We strongly advise you to keep your original transit carton, since in the unlikely event that your unit should develop a fault, you will be able to return it to your dealer for rectification securely packed.

2) Amplifier Connection: In order to avoid damage, it is advisable to establish and follow a pattern for turning on and off your system. With all system parts connected, turn on source equipment, tape decks, cd players, mixers, effects processors etc, BEFORE turning on your amplifier. Many products have large transient surges at turn on and off which can cause damage to your speakers. By turning on your bass amplifier LAST and making sure its level control is set to a minimum, any transients from other equipment should not reach your loud speakers. Wait till all system parts have stabilised, usually a couple of seconds. Similarly when turning off your system always turn down the level controls on your bass amplifier and then turn off its power before turning off other equipment.

3) Cables: Never use shielded or microphone cable for any speaker connections as this will not be substantial enough to handle the amplifier load and could cause damage to your complete system.

4) Servicing: The user should not attempt to service these products. Refer all servicing to qualified service personnel.

FCC COMPLIANCY STATEMENT



This device complies with Part 15 of the FCC rules Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference
- 2) This device must accept any interference received, that may cause undesired operation.

Warning: Changes or modification to the equipment not approved by Laney can void the user's authority to use the equipment.

Note: This equipment has been tested and found to comply with the limits for 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 and 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.



This product conforms to the requirements of the following European Regulations, Directives & Rules:
CE Mark (93/68/EEC), Low Voltage (2014/35/EU), EMC (2014/30/EU),
RoHS (2011/65/EU), ErP (2009/125/EU).



In order to reduce environmental damage, at the end of its useful life, this product must not be disposed of along with normal household waste to landfill sites. It must be taken to an approved recycling centre according to the recommendations of the WEEE (Waste Electrical and Electronic Equipment) directive applicable in your country.

WARNING: When using electrical products, basic cautions should always be followed, including the following:

1. Read these instructions.
2. Keep these instructions safe.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with 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. An apparatus with Class I construction shall be connected to a mains socket outlet with a protective connection. 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 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 plugs, convenience receptacles, and the point they exit from the apparatus.
11. Only use attachments/accessories provided 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. The mains plug or appliance coupler is used as the disconnect device and shall remain readily operable. The user should allow easy access to any mains plug, mains coupler and mains switch used in conjunction with this unit thus making it readily operable. 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 when 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.
15. Never break off the ground pin. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
16. If this product is to be mounted in an equipment rack, rear support should be provided.
17. Note for UK only: If the colours of the wires in the mains lead of this unit do not correspond with the terminals in your plug, proceed as follows:
 - a) The wire that is coloured green and yellow must be connected to the terminal that is marked by the letter E, the earth symbol, coloured green or coloured green and yellow.
 - b) The wire that is coloured blue must be connected to the terminal that is marked with the letter N or the colour black.
 - c) The wire that is coloured brown must be connected to the terminal that is marked with the letter L or the colour red.
18. This electrical apparatus should not be exposed to dripping or splashing and care should be taken not to place objects containing liquids, such as vases, upon the apparatus.
19. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility 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: According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss. Earplugs or protectors to the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss, if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.
20. Symbols & nomenclature used on the product and in the product manuals, intended to alert the operator to areas where extra caution may be necessary, are as follows:

Intended to alert the user to the presence of high 'Dangerous Voltage' within the products enclosure that may be sufficient to constitute a risk of electrical shock to persons.

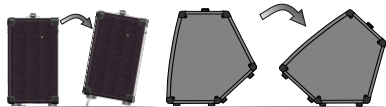


Intended to alert the user of the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the product.

Risk of electrical shock - DO NOT OPEN. To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified personnel.

To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance please read the operating instructions.

If your appliance features a tilting mechanism or a kickback style cabinet, please use this design feature with caution. Due to the ease with which the amplifier can be moved between straight and tilted back positions, only use the amplifier on a level, stable surface. DO NOT operate the amplifier on a desk, table, shelf or otherwise unsuitable non-stable platform.



WICHTIGE SICHERHEITSHINWEISE



ACHTUNG: Beim Einsatz von Elektrogeräten müssen u.a. grundlegende Vorsichtsmaßnahmen befolgt werden:

1. Lesen Sie sich diese Anweisungen durch.
2. Bewahren Sie diese Anweisungen auf.
3. Beachten Sie alle Warnungen.
4. Befolgen Sie alle Anweisungen.
5. Setzen Sie dieses Gerät nicht in der Nähe von Wasser ein.
6. Reinigen Sie es nur mit einem trockenen Tuch.
7. Blockieren Sie keine der Lüftungsöffnungen. Führen Sie die Installation gemäß den Anweisungen des Herstellers durch.
8. Betreiben Sie das Gerät nicht neben Wärmequellen wie Heizungen, Heizgeräten, Öfen oder anderen Geräten (auch Verstärkern), die Wärme erzeugen.
9. Verwenden Sie nur Kaltgeräte-Netzkabel aus dem Fachhandel.
10. Schützen Sie das Netzkabel, sodass niemand darauf tritt oder es geknickt wird, insbesondere an Steckern oder Buchsen am Gerät.
11. Verwenden Sie nur die vom Hersteller erhältlichen Zubehörgeräte oder Zubehörtelle.
12. Verwenden Sie nur einen Wagen, Stativ, Dreifuß, Träger oder Tisch, der den Angaben des Herstellers entspricht oder zusammen mit dem Gerät verkauft wurde. Wird ein Wagen verwendet, bewegen Sie den Wagen mit dem darauf befindlichen Gerät besonders vorsichtig, damit es nicht umkippt und möglicherweise jemand verletzt wird.
13. Der Netzstecker bzw. Gerätestecker wird zum Trennen vom Stromnetz verwendet und muß immer leicht zugänglich sein. Der Benutzer sollte auf einfachen Zugang zu allen Netzsteckern, Gerätesteckern und Netz-Schaltern achten.

Ziehen Sie den Netzstecker bei Gewitter heraus oder wenn das Gerät längere Zeit nicht benutzt wird.

14. Lassen Sie sämtliche Wartungsarbeiten von qualifizierten Kundendiensttechnikern durchführen.

Eine Wartung ist erforderlich, wenn das Gerät in irgendeiner Art beschädigt wurde, etwa wenn das Netzkabel oder der Netzstecker beschädigt wurden, Flüssigkeit oder Gegenstände in das Gerät gelangt sind, das Gerät Regen oder Feuchtigkeit ausgesetzt wurde, nicht normal arbeitet oder heruntergefallen ist.

15. Schließen Sie das Gerät nur an eine Stromquelle an, die am Gerät neben dem Netzkabel angegeben ist.

16. Wenn dieses Produkt in ein Geräte-Rack eingebaut werden soll, muss eine Versorgung über die Rückseite eingerichtet werden.

18. Dieses Gerät darf nicht ungeschützt Wassertropfen und Wasserspritzern ausgesetzt werden und es muss darauf geachtet werden, dass keine mit Flüssigkeiten gefüllte Gegenstände, wie z. B. Blumenvasen, auf dem Gerät abgestellt werden.

19. Belastung durch extrem hohe Lärmpegel kann zu dauerhaftem Gehörverlust führen. Die Anfälligkeit für durch Lärm bedingten Gehörverlust ist von Mensch zu Mensch verschieden, das Gehör wird jedoch bei jedem in gewissem Maße geschädigt, der über einen bestimmten Zeitraum ausreichend starkem Lärm ausgesetzt ist. Die US-Arbeitschutzbehörde (Occupational and Health Administration, OSHA) hat die folgenden zulässigen Pegel für Lärmbelastung festgelegt:

Laut OSHA kann jede Belastung über den obenstehenden zulässigen Grenzwerten zu einem gewissen Gehörverlust führen. Sollte die Belastung die obenstehenden Grenzwerte übersteigen, müssen beim Betrieb dieses Verstärkungssystems Ohrstöpsel oder Schutzvorrichtungen im Gehörgang oder über den Ohren getragen werden, um einen dauerhaften Gehörverlust zu verhindern. Um sich vor einer möglicherweise gefährlichen Belastung durch hohe Schalldruckpegel zu schützen, wird allen Personen empfohlen, die mit Geräten arbeiten, die wie dieses Verstärkungssystem hohe Schalldruckpegel erzeugen können, beim Betrieb dieses Geräts einen Gehörschutz zu tragen.

Dauer pro Tag in Stunden	Geräuschpegel dBA	langsame Reaktion
8	90	
6	92	
4	95	
3	97	
2	100	
1 1/2	102	
1	105	
1/2	110	
1/4 oder weniger	115	

20. Symbole und Nomenklatur, die auf dem Produkt und in den Handbüchern stehen, sollen den Bediener auf die Bereiche, in denen besondere Vorsicht notwendig sein kann, alarmieren und sind wie folgt:

Sollen den Benutzer auf das Vorhandensein von "gefährlicher Hoch- Spannung" im Gerätegehäuse hinweisen, um die Gefahr eines elektrischen Schläges für Personen zu vermeiden..

Sollen den Benutzer auf das Vorhandensein wichtiger Betriebs- und Wartungsanweisungen in der beigelegten Dokumentation aufmerksam machen.

Gefahr eines elektrischen Schlags - NICHT ÖFFNEN. Um die Gefahr eines elektrischen Schlags zu reduzieren, darf die Abdeckung entfernt werden. Keine zu wartenden Teile im Inneren. Überlassen Sie die Wartung qualifiziertem Fachpersonal.

Gefahr eines elektrischen Schlags - NICHT ÖFFNEN. Um die Gefahr eines elektrischen Schlags zu vermeiden, darf die Abdeckung nicht geöffnet werden.. Überlassen Sie die Wartung qualifiziertem Fachpersonal.

Wenn Ihr Gerät über einen Kippmechanismus oder eine "Tilt-back"- Funktion verfügt, beutzen Sie diese Funktion mit Vorsicht. Aufgrund der Leichtigkeit, mit der der Verstärker zwischen geraden und schrägen Rücken Positionen bewegt werden kann, verwenden Sie nur den Verstärker auf einer ebenen, stabilen Oberfläche. NICHT den Verstärker auf einem Schreibtisch, Tisch, Regal oder sonst eine ungeeignete nicht stabile Plattform stellen.

INSTRUÇÕES DE SEGURANÇA

PT

AVISO: Ao usar produtos elétricos, adverte básica devem ser sempre seguidas, incluindo as seguintes:

1. Leia estas instruções.
 2. Guarde estas instruções de segurança.
 3. Preste atenção a todos os avisos.
 4. Siga todas as instruções.
 5. Não use este aparelho perto da água.
 6. Limpe apenas com um pano seco.
 7. Não bloqueie qualquer uma das aberturas de ventilação. Instale de acordo com as instruções do fabricante.
 8. Não instale perto de fontes de calor, como radiadores, aquecedores, fogões ou outros aparelhos (incluindo amplificadores) que produzem calor.
 9. Um aparelho com a construção de classe I devem ser conectado a uma tomada elétrica com ligação de proteção. Não anule a finalidade de segurança da ficha polarizada ou do tipo terra. Uma ficha polarizada possui duas lâminas, uma mais larga que a outra. Uma ficha do tipo terra tem duas lâminas e um terceiro pino de aterramento. A lâmina larga ou o terceiro pino são fornecidos para sua segurança. Se a ficha fornecida não encaixar na sua tomada, consulte um electricista para a substituição da tomada obsoleta.
 10. Proteja o cabo de alimentação de pisadelas ou apertos, especialmente nas fichas, receptáculos de conveniência e no ponto de saída do aparelho.
 11. Utilize apenas ligações / acessórios fornecidos pelo fabricante.
 12. Use somente com o carrinho, estrutura, tripé, suporte, ou mesa especificados pelo fabricante ou vendidos com o aparelho. Quando utilizar um carrinho, tenha cuidado ao mover o conjunto carrinho / dispositivo para evitar danos provocados pela queda. 13. A ficha da tomada ou aparelho forem utilizados como dispositivo de desconexão e deve estar sempre acessível. O usuário deve permitir o acesso fácil a qualquer ficha, acoplador de alimentação e interruptor de rede usada em conjunto com esta unidade, assim, tornando-o acessível. Desligue o aparelho durante tempestades com raios ou quando não for utilizado por longos períodos de tempo.
 14. Solicite a assistência de pessoal qualificado. A manutenção é necessária quando o aparelho tiver sido danificado de qualquer maneira, como quando o cabo de alimentação ou a ficha estiverem danificados, líquido foi derramado ou objetos caídos dentro do aparelho, o aparelho tenha sido exposto à chuva ou umidade, não operar normalmente, ou se tiver caído.
 15. Nunca quebre o pino terra. Ligue apenas a uma fonte de energia do tipo marcadas na unidade adjacente ao cabo de fornecimento de energia.
 16. Se este produto for para ser montado em um bastidor de equipamentos, o suporte traseiro deve ser fornecido. 17. Nota para o Reino Unido: Se as cores dos fios do cabo de alimentação da unidade não correspondem com os terminais na ficha, faça o seguinte:
 - a) O fio que é colorido verde e amarelo tem de ser ligado ao terminal que está marcada com a letra E, o símbolo de terra, de cor verde ou colorido em verde e amarelo.
 - b) O fio é de cor azul, que tem de ser ligado ao terminal que está marcada com a letra N ou a cor preta.
 - c) O fio que é castanho deve ser ligado ao terminal que está marcada com a letra L ou a cor vermelha. Aparelhos elétricos.
 18. This não deve ser exposto a respingos e os cuidados devem ser tomados para não colocar objetos que contenham líquidos, tais como vasos, sobre o aparelho.
 19. A exposição a níveis de ruído extremamente alta pode causar uma perda permanente da audição. Os indivíduos variam consideravelmente a susceptibilidade ao ruído induzindo perda de audição, mas quase todo mundo vai perder alguma audição se expostos a ruído suficientemente intensa durante um tempo suficiente.
- Segurança do Trabalho do governo dos EUA e Administração de Saúde (OSHA) especificou os seguintes exposições de nível de ruído admissíveis: de acordo com OSHA, a exposição em excesso dos limites admissíveis acima poderia resultar em alguma perda de audição. Tampões ou protetores para o canal auditivo ou sobre as orelhas, deve ser usada quando se opera este sistema de amplificação de modo a evitar a perda permanente da audição, se a exposição for superior a dos limites tal como descrito acima. Para garantir contra a exposição potencialmente perigoso para elevados níveis de pressão de som, recomenda-se que todas as pessoas expostas a um equipamento capaz de produzir níveis elevados de pressão sonora, como este sistema de amplificação de ser protegidos por protetores auditivos enquanto esta unidade está em operação.
20. Símbolos e nomenclatura utilizados no produto e nos manuais de produtos, destinados para alertar o operador para as áreas onde o cuidado extra pode ser necessário, são os seguintes:

duración por Día em Horas	DBA Nivel de som, resposta lenta
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115



Com a intenção de alertar o utilizador para a presença de "tensão perigosa" alto dentro do recinto produtos que poderá ser suficiente para constituir um risco de choque elétrico para as pessoas.

Com a intenção de alertar o usuário da presença de importantes de operação e manutenção (assistência) na literatura que acompanha o produto.

Risco de choque elétrico - NÃO ABRA. Para reduzir o risco de choque elétrico, não remover a tampa. Não existem peças no interior. Consulte um técnico qualificado.

Para evitar choque elétrico ou risco de incêndio, não exponha este aparelho à chuva ou umidade. Antes de utilizar este aparelho, leia atentamente as instruções de operação.

Se o seu aparelho possui um mecanismo de inclinação ou um armário estilo propina, por favor, use esse recurso de design com cautela. Devido à facilidade com que o amplificador pode ser movida entre as posições de costas rectas e inclinada, usar apenas o amplificador numa superfície plana e estável. NÃO operar o amplificador em uma escrivaninha, mesa, prateleira ou de alguma forma inadequada plataforma nonstable.



USER MANUAL

MODEL NUMBER:

SERIAL NUMBER:

PLACE OF PURCHASE:

DATE OF PURCHASE:

PLEASE COMPLETE FOR FUTURE REFERENCE

LANEYAMPLIFICATION



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