



USER MANUAL

CXP-115

CXP-112

CXP-110

CXP-108

CXM-115

CXM-112

CXM-110

WWW.LANEY.CO.UK

DESIGNED & ENGINEERED IN THE UK BY LANEY

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 handwritten signature in black ink, appearing to read 'Lyndon Laney', with a stylized, flowing script.

Lyndon Laney
Chairman and Founder.

IMPORTANT SAFETY INSTRUCTIONS

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 with 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.

Duration Per Day in Hours	Sound Level dBA, slow response
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
½	110
¼ or less	115

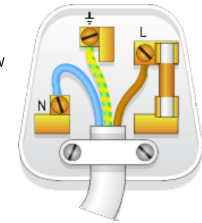
GENERAL INSTRUCTIONS

	<p>Intended to alert the user to the presence of uninsulated 'Dangerous Voltage' within the products enclosure that may be sufficient to constitute a risk of electrical shock to persons.</p> <p>Ce symbole est utilise pur indiquer a l'utilisateur de ce produit de tension non-isolee dangereuse pouvant etre d'intensite suffisante pour constituer un risque de choc electrique.</p> <p>Este simbolo tiene el proposito de alertar al usuario de la presencia de 'voltaje' peligroso' que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.</p> <p>Dieses Symbol soll den Anwender vor unisolierten gefahrlichen Spannungen innerhalb des Gehauses warnen, die von Ausreichender Starke sind, um einen elektrischen Schlag verursachen zu konnen.</p>
	<p>Intended to alert the user of the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the product.</p> <p>Dieses Symbol soll den Anwender vor unisolierten gefahrlichen Spannungen innerhalb des Gehauses warnen, die von Ausreichender Starke sind, um einen elektrischen Schlag verursachen zu konnen.</p> <p>Este simbolo tiene el proposito de la alertar al usuario de la presencis de instrucccones importantes sobre la operacion y mantenimiento en la literatura que viene conel producto.</p> <p>Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.</p>
<p>CAUTION:</p> <p>ATTENTION:</p> <p>PRECAUCION:</p> <p>VORSICHT:</p>	<p>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.</p> <p>Risques de choc electrique - NE PAS OUVIRIR Afin de reduire le risque de choc electrique, ne pas enlever le couvercle. Il ne se trouve a l'interieur aucune piece pouvant etre reparee par l'utilisateur. Confier l'entretien a un personnel qualifie.</p> <p>Riesgo de corrientazo - no abra Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el pueda reparar. Deje todo mantenimiento a los tecnicos calificados.</p> <p>Risiko - Elektrischer Schlag! Nicht offen! Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden Konnten. Reparaturen nur von qualifiziertem Fachpersonal durchfuhren lassen.</p>
<p>WARNING:</p> <p>ADVERTISSEMENT:</p> <p>ADVERTENCIA:</p> <p>ACHTUNG:</p>	<p>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 for further warnings.</p> <p>Afin de prevenir les risques de decharge electrique ou de feu, n'exposez pas cet appareil a la pluie ou a l'humidite. Avant d'utiliser cet appareil, lisez les advertissements supplementaires situes dans le guide.</p> <p>Para evitar corrientazos o peligro de incendio, no deja expuesto a la lluvia o humedad este aparato Antes de usar este aparato, lea mas advertcias en la guia de operacion.</p> <p>Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerat nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.</p>

After unpacking your amplifier check that it is factory fitted with a three pin 'grounded' (or earthed) plug. Before plugging into the power supply ensure you are connecting to a grounded earth outlet.

If you should wish to change the factory fitted plug yourself, ensure that the wiring convention applicable to the country where the amplifier is to be used is strictly conformed to. As an example in the United Kingdom the cable colour code for connections are as follows.

EARTH or GROUND GREEN/YELLOW
NEUTRAL - BLUE
LIVE - BROWN



NOTE

This manual has been written for easy access of information. The front and rear panels are graphically illustrated, with each control and feature numbered. For a description of the function of each control feature, simply check the number with the explanations adjacent to each panel.

Your Laney amplifier has undergone a thorough two stage, pre-delivery inspection, involving actual play testing.

When you first receive your Laney guitar amplifier, follow these simple procedures:

(i) Ensure that the amplifier is the correct voltage for the country it is to be used in.

(ii) Connect your instrument with a high quality shielded instrument cable. You have probably spent considerable money on your amplifier and guitar - don't use poor quality cable it won't do your gear justice.

Please retain your original carton and packaging so in the unlikely event that some time in the future your amplifier should require servicing you will be able to return it to your dealer securely packed.

Care of your Laney amplifier will prolong it's life.....and yours!

INTRODUCTION

CX monitors are compact, functional and most importantly loud - this range of powered and unpowered monitors offers an effective solution to your onstage monitoring needs.

Designed to give a compact, affordable solution to onstage monitoring, the Concept CX Range of powered (CXP models) and unpowered (CXM models) offer various power and speaker options to suit your needs. CXP models feature both Mic and Line inputs, with 2 band EQ on the CXP-108 and CXP-110 with a 3 band EQ on the CXP-112 and CXP-115.

Cabinet design: full range ported stage monitor, road ready construction with tough vinyl covering, kick-proof metal grille, metal corners & rubber feet, low profile carry handle and sturdy 35mm pole-stand socket, allowing for monitor or FOH use.

The CXM range of unpowered monitors are designed to compliment the CXP powered monitors, each of which (not including CXP-108) is capable of powering one unpowered monitor from its external speaker socket.

Each CXM monitor is supplied with two jack sockets on the rear panel, either can be used as an input or link out.

Other power amplifiers can be connected and depending on the specification of the power amplifier, it may be possible to link together a number of unpowered monitors to achieve the desired monitor spread.

We hope you enjoy using your CX Monitor as much as we enjoyed designing and making it.

CXP - POWERED MONITOR RANGE



CXP-108



CXP-110

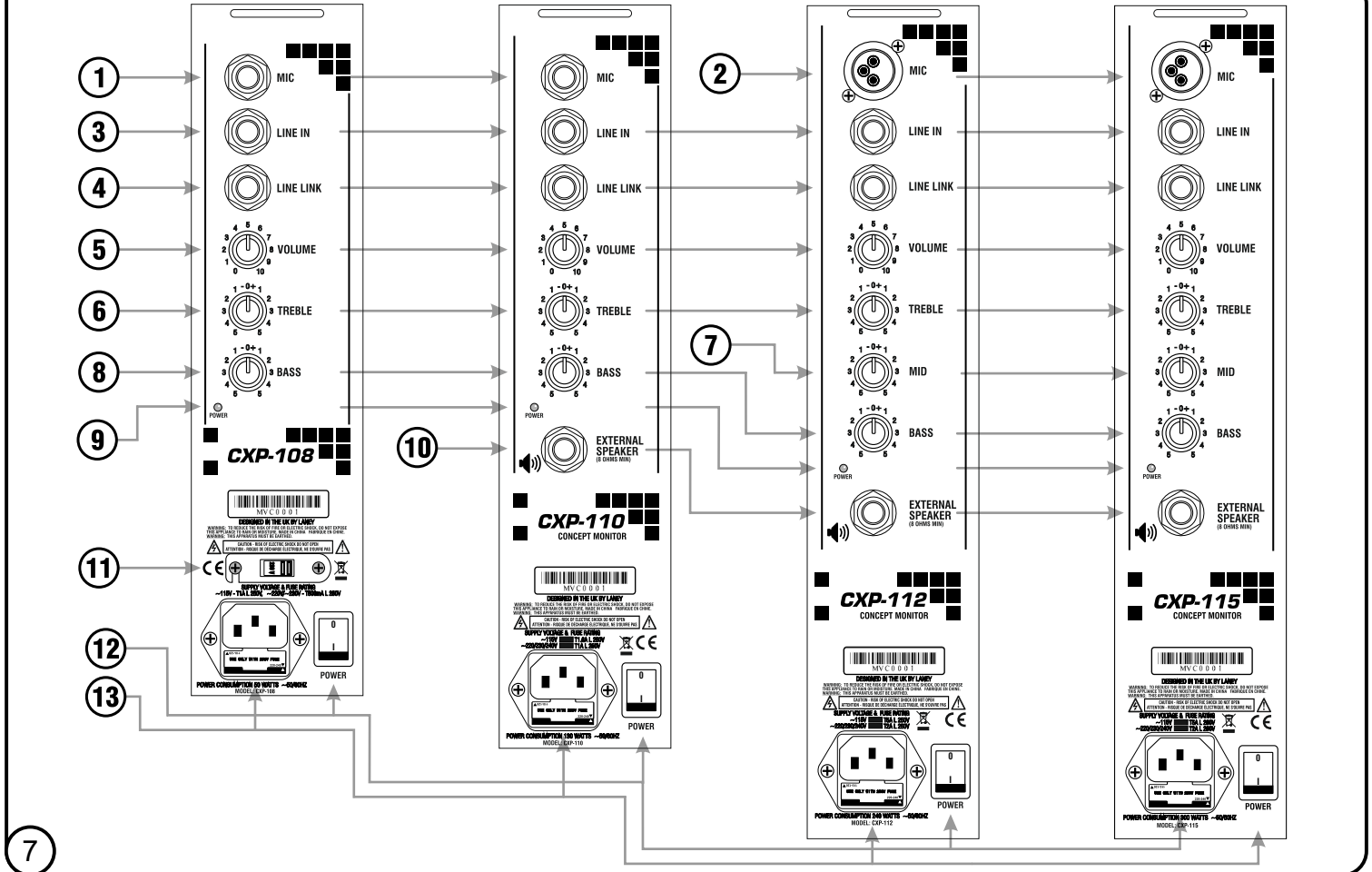


CXP-112



CXP-115

FRONT PANEL CONTROLS



- ① **Mic:** Jack input for Lo impedance microphones (200-600 Ohms)
- ② **Mic:** XLR input for Lo impedance microphones (200-600 Ohms)
- ③ **Line In:** Jack input socket for all line level signals e.g.: Keyboard, P.A., Mixing Desk Drum Machine etc.
- ④ **Line Link:** Socket for providing a link out for any device connected to "Line In" only.
- ⑤ **Volume:** Controls the overall listening level of the monitor.
- ⑥ **Treble:** Controls the HI frequency response of the monitor.
- ⑦ **Mid:** Controls the MID frequency response of the monitor.
- ⑧ **Bass:** Controls the LOW frequency response of the monitor.
- ⑨ **Power LED:** When illuminated indicates that power is connected to the unit and it is ready to go.
- ⑩ **External Speakers:** Output socket for connecting a further unpowered monitor such as CXM-110, CXM-112 or CXM-115. The impedance of the speakers should not be less than 8 Ohms. Connecting cabinets that have a lower impedance than 8 Ohms could result in the amplifier being permanently damaged.
- ⑪ **Voltage Selection Switch:** This is factory set to the correct voltage for the region the product is supplied to. If necessary it can be reset by removing the mains lead and then loosening (but not removing) the screws securing the cover. The cover can then be pivoted away from the switch which can be moved to select the alternate voltage. **DO NOT** reconnect the mains lead until the cover is replaced and secured. Note: Fuse rating must be changed to suit mains voltage CXP-108 only.
- ⑫ **Main Power Switch:** Main power switch for the unit. Always switch off and disconnect the power cord when not in use.
- ⑬ **Power Inlet Socket:** Connect your power source here. **Make sure that the specified voltage is correct for your country!** Also here in the drawer is the main safety fuse for the unit. **Only use the correct size and rating of fuse as specified on the panel.** If a fuse blows or fails and a replacement of the same size and rating is installed which in turn blows, the amplifier has suffered a malfunction. The user should not attempt to service these products. Refer all servicing to qualified service personnel.

CXM - PASSIVE MONITOR RANGE



CXM-110

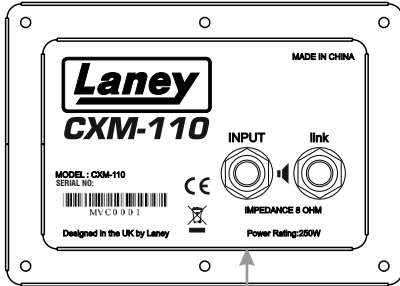


CXM-112



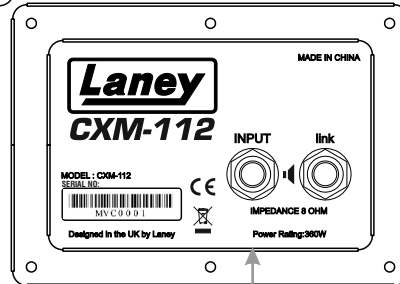
CXM-115

REAR PANEL CONNECTIONS



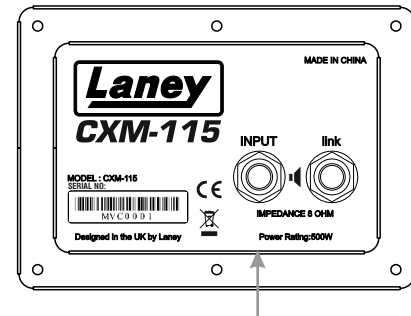
Speaker connections: These can be found on the rear of the CXM range. Please take note of the power ratings and do not exceed!

The two connections are functionally the same so the output from an amplifier can be plugged into either of them. The second can be used to daisy chain multiple cabinets. Again, please check the spec of your amplifier before doing so.



Connect to external speaker connector on CXP range or suitable power amp.

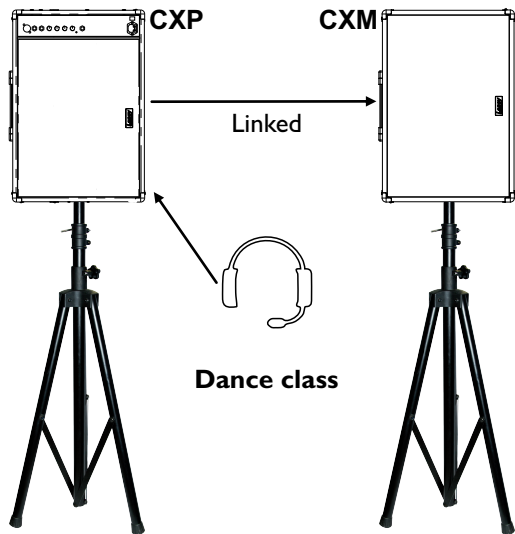
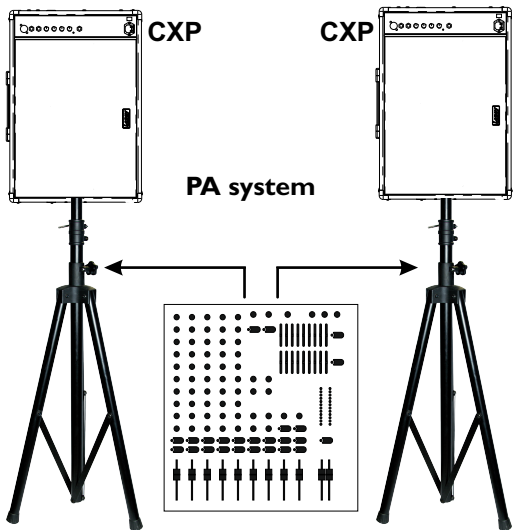
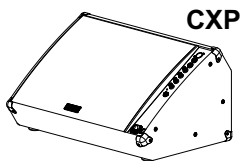
Cables: Never use shielded or microphone cable for any speaker connections as this will not be substantial enough to handle the amplifier load and could cause damage to your amplifier system.



SETUP

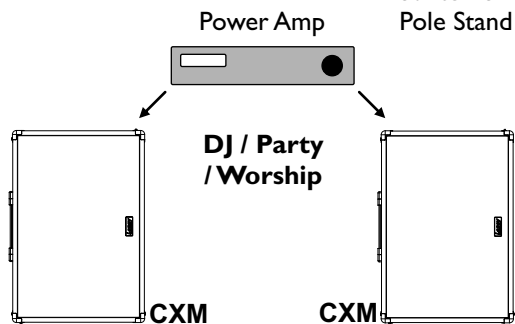


Stage monitor



Dance class

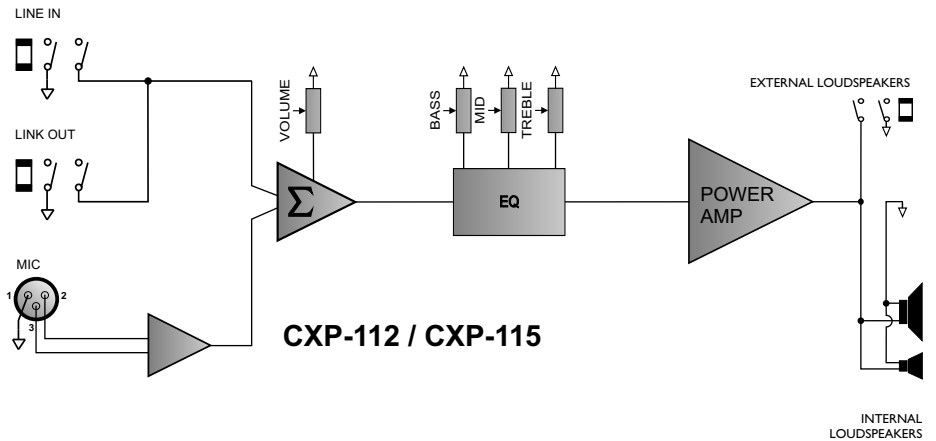
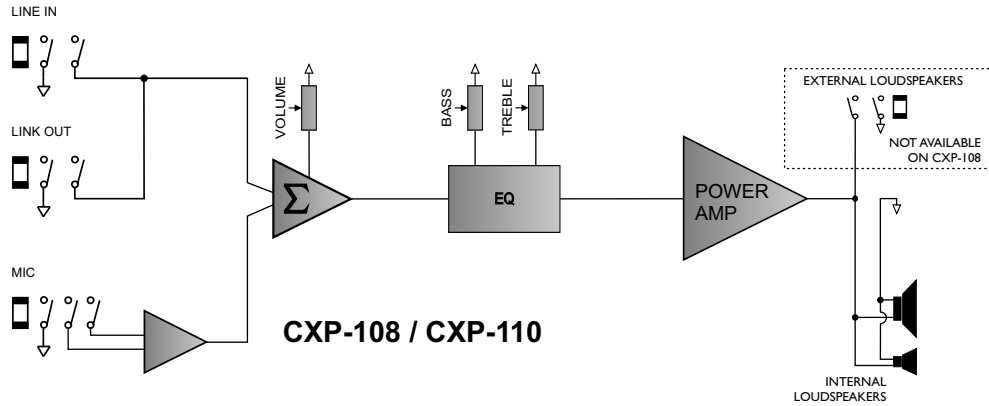
Mounted on a Pole Stand



Power Amp

DJ / Party / Worship

BLOCK DIAGRAM



SPECIFICATION

Model	CXP-108	CXP-110	CXP-112	CXP-115
Operating Voltage Range	Factory Preset ~100V, ~120V, ~220V, ~230V, ~240V 50/60Hz			
Mains Fuse ~100V~120V	T1A L	T1.6A L	T5A L	T5A L
Mains Fuse ~220V~240V	T500mA L	T1A L	T2A L	T2A L
Inputs	Mic, Line (both 6.3mm Jacks)		Mic XLR, 6.3mm Line jack	
EQ	2 band Active Shelving		3 band Active Shelving	
Line In input impedance	10Kohms			
Link Out	Directly coupled to Line In			
Mic input impedance	2Kohms Balanced			
Nominal Line input level	-10dBu			
Nominal Mic input level	-20dBu			
Extension Loudspeaker	n/a	8 ohms minimum		
Speaker Nom Impedance	4 ohms	8 ohms		
Loudspeakers	8" Full range dual concentric diaphragm	10" + HF Horn	12" + HF Horn	15" + HF Horn
Output Power	40W RMS (80W Peak) into 4 Ohms	65W RMS (130W Peak) into 4 Ohms	120W RMS (240W Peak) into 4 Ohms	150W RMS (300W Peak) into 4 Ohms
Frequency Response	78Hz to 20KHz		65Hz to 18KHz	60Hz to 18KHz
Sensitivity	97 dB/W@1M	97 dB/W@1M	98 dB/W@1M	97 dB/W@1M
Max SPL (Peak)	116 dB SPL	118 dB SPL	122 dB SPL	122 dB SPL
Unit Dimensions (HWD)	239 x 428 x 307mm 9.4" x 16.9" x 12.1"	247 x 468 x 326mm 9.7" x 18.4" x 12.8"	305 x 540 x 378mm 12" x 21.3" x 14.9"	325 x 620 x 409mm 12.8" x 24.4" x 16.1"
Net Weight	8.5Kg, 18.7 lbs	10Kg, 22 lbs	14Kg, 30.9 lbs	17Kg, 37.5 lbs
Carton Dimensions (HWD)	472 x 344 x 288mm 18.6" x 13.5" x 11.3"	512 x 372 x 301mm x 14.6" x 11.9"	20.2" 584 x 422 x 357mm x 16.6" x 14.1"	23" 633 x 450 x 370mm 24.9" x 17.7" x 14.6"
Gross Weight	9.5Kg, 20.9 lbs	11Kg, 24.3 lbs	16Kg, 35.3 lbs	19Kg, 41.9 lbs

Model	CXM-110	CXM-112	CXM-115
Speaker Nom Impedance	8 Ohms	8 Ohms	8 Ohms
Speaker Size	10" + HF Horn	12" + HF Horn	15" + HF Horn
Output Power	125W RMS (250W Peak)	180W RMS (360W Peak)	250W RMS (500W Peak)
Frequency Response	78Hz to 20KHz	65Hz to 18KHz	60Hz to 18KHz
Sensitivity	97 dB/W@1M	98 dB/W@1M	97 dB/W@1M
Max SPL (Peak)	121 dB SPL	124 dB SPL	124 dB SPL
Unit Dimensions (HWD)	240 x 468 x 328mm, 9.4" x 18.4" x 12.9"	314 x 540 x 379mm 12.4" x 21.3" x 14.9"	325x 620 x 409mm 12.8" x 24.4" x 16.1"
Net Weight	7.5Kg, 16.5 lbs	10.5Kg, 23.1 lbs	12.5Kg, 27.6 lbs
Carton Dimension (HWD)	512 x 372 x 301mm 20.2" x 14.6" x 11.9"	584 x 422 x 357mm x 16.6" x 14.1"	23" 633 x 450 x 370mm 24.9" x 17.7" x 14.6"
Gross Weight	8.5Kg, 18.7 lbs	12.5Kg, 27.6 lbs	14.5Kg, 32 lbs

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.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

Mac, Mac OS & iPad are trademarks of Apple Inc., registered in the U.S. and other countries.

Audacity is a trademark of Dominic Mazzoni

MixPad Audio Mixer is a trademark of NCH Software, Inc

Pro Tools is a trademark registered in the United States by Avid Technology, Inc.

Speakon is a trademark of Neutrik®AG.



USER MANUAL

REVISION 1.4

MODEL NUMBER:

SERIAL NUMBER:

PLACE OF PURCHASE:

DATE OF PURCHASE:

PLEASE COMPLETE FOR FUTURE REFERENCE



LANEYAMPLIFICATION



LANEYAMPLIFICATION



LANEYAMPS



LANEYTV