# L&N-AUDIO® PREMIUM

CATÁLOGO 2023





## CAJA ACUSTICA ACTIVA **2VIAS 15" 1000W**















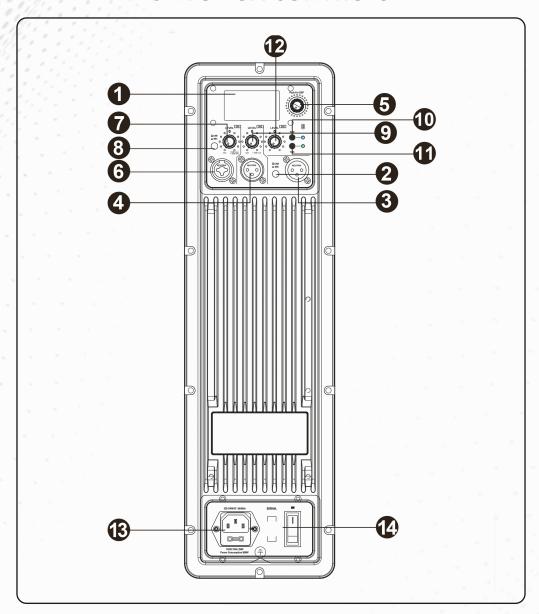
# **ESPECIFICACIONES TECNICAS**

Power Output:	1000W
Frequency Response:	45-20K Hz
Max Output SPL:	134 dB
Input SPL:	
Inputs:	2*XLR/BT IN XLR*1
Outputs:	
Woofer:	15" woofer *1
Driver:	1.35" driver *1
Coverage pattern (H*V):	90° * 60°
Crossover point:	1.6KHz
Power input:	240V/AC, 50/60 Hz
Limiter:	
Cabinet:	15mm PLY





# **CELTO-15A CONTROLS**



- 1. LCD DISPLAY
- 2. LINK/MIX switch
- 3. XLR output
- 4. CH2 XLR input
- 5. DSP edit button
- **■** 6. CH1 COMBO XLR-JACK input
- **■** 7. CH1 Input signal volume control

- 8. CH1 LINE/MIC input switch
- 9. CH2 Input signal volume control
- **10. PAIR**
- 11. TWS
- **12.** BT/AUS
- 13. AC socket
- 14. Power switch



## **CELTO-15A CONTROLS AND FUNCTIONS**

## PANEL FUNCTIONS INSTRUCTIONS

#### 1. LCD DISPLAY

The display shows the current DSP status(current preset, digital signal attenuation, input level) and it is used to access the DSP parameters(see DSP SETTINGS for detailed instructions)

#### 2. LINK/MIX switch

The switch set to LINK, another connected speaker volume wasn't controlled by current device. The switch set to MIX, another connected speaker volume was controlled by current

#### 3. XLR output

The XLR connector can connect it to input of another powered active speaker or amplifier, output signal is controlled by input channel volume or not.

#### 4. CH2 XLR input

XLR balance input.

#### 5. DSP Edit button

Push and turn this knob to edit the DSP parameters(see DSP SETTINGS for detailed instruction).

#### 6. CH1 COMBO XLR-JACK input

This is a female combo connector, which accepts a XLR or JACK plug from almost type of equipment with a balanced or

Note: whenever possible, use always balanced cables. Unbalanced lines may also be used but may result in noise over long cable runs.

The XLR input is wired as follows:

pin 1=GND

pin 2=+positive or hot pin 3=-negative or cold





Balanced JACK input is wired as follows:

Tip=+positive or hot

Ring=-negative or cold

Sleeve=GND

## 7. CH1 Input signal volume control

This knob control input signal volume, turn left is min volume, turn right is max volume.

## PANEL FUNCTIONS INSTRUCTIONS

#### 8.CH1 LINE/MIC input switch

This switch sets the sensitivity of the respective channel for microphone or line level equipment.

#### 9. CH2 Input signal volume control

This knob control input signal volume, turn left is min volume, turn right is max volume.

#### 10. PAIR

To establish a Bluetooth® connection, press and hold the button for three seconds to search for Bluetooth-enabled devices ready for pairing. The LED flashes. The Bluetooth list of the device to be paired displays the corresponding device name as Bluetooth®Accept the connection.

After a successful connection, the LED lights up continuously.

#### 11.TWS

With the TWS function (TrueWirelessStereo) you can connect 2 loudspeakers to each other in order to transmit the Bluetooth® signal in stereo.

To pair two speakers via TWS, press and hold [TWS] for three seconds on the first speaker that is already connected to a pairing device. The LED flashes. On the second speaker, press [PAIR] and then [TWS]. After successful pairing, the LEDs of both speakers light up continuously.

#### 12.BT/AUS

Rotary control for setting the input level of the Bluetooth® and AUX signals.

#### 13. AC socket

Here's where you plug in your speaker's mains supply cord, you should always use the mains cord supplied with the speaker. Auto-range Mains Input; 220-240VAC 50/60Hz; 110-120VAC 50/60Hz FUSE:T8AL250V

Be sure your speaker is turned off before you plug the mains supply cord into an electrical outlet.

#### 14. Power switch

Speaker is "ON" when the switch is in the "ON" position.

Note: when you shut down your equipment, turn off the speakers first. When powering up, turn on the speakers last.



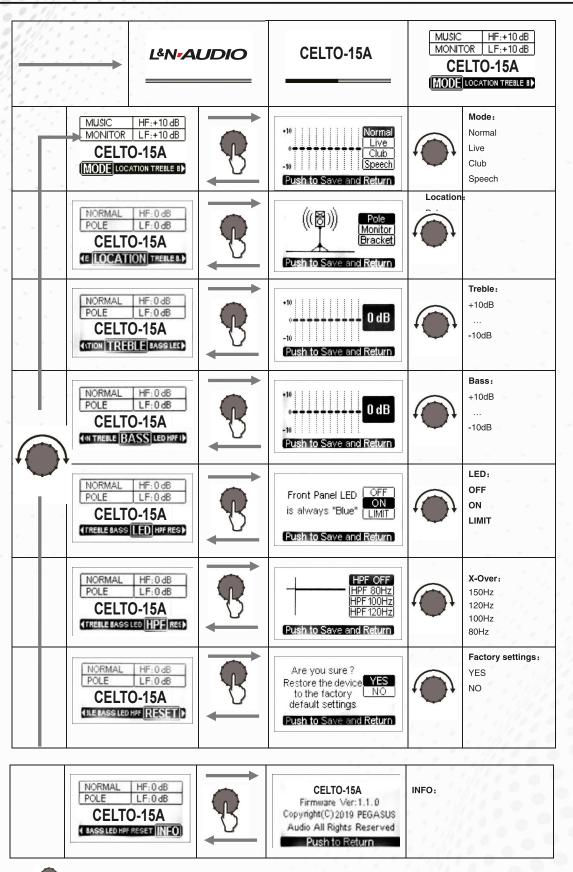








## **CELTO-15A FUNCTION INSTRUCTION**



Note:



Press to confirm, and rotate clockwise or counterclockwise to select.







## **UBICACIÓN CELTO-15A**

1. UBICACIÓN: FUNCION DE MONITOR

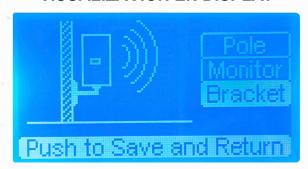


## **VISUALIZACION EN DISPLAY**



2. UBICACIÓN: FUNCION DE PARED

# **VISUALIZACION EN DISPLAY**



ROSCA M10 (PARA COLGAR EN LA PARED)







# 3. UBICACIÓN: FUNCION DE PEDESTAL







# 4. COPA CON ANGULACIÓN, 2 ANGULOS: 0° Y 7.5°









# **FUNCIONES**

**ECUALIZADOR CON AGUDOS Y GRAVES** 

**CUENTA CON CONECTORES XLR "NEUTRIK"** 

FILTRO (CORTE DE FRECUENCIA): PARA LAS FRECUENCIAS BAJAS, 80-100-120Hz

**FUNCION BLUETOOTH 5.0 CON TWS - VERIFICADO** 











# CAJA ACUSTICA ACTIVA **2VIAS 15" 700W**











**MATERIAL:** Polipropileno





# **ESPECIFICACIONES TECNICAS**

Inputs:	Bal XLR/TRS 6.35/ AUX/ Bluetooth
Outputs:	······ Balanced XLR / TW
Power output:	700W
Bluetooth version:	5.0
Power input:	240V ~50/60Hz
Features:	LF:CLASS-D HF:CLASS-AB
Signal processing:	DSP
Max Output SPL:	132DB

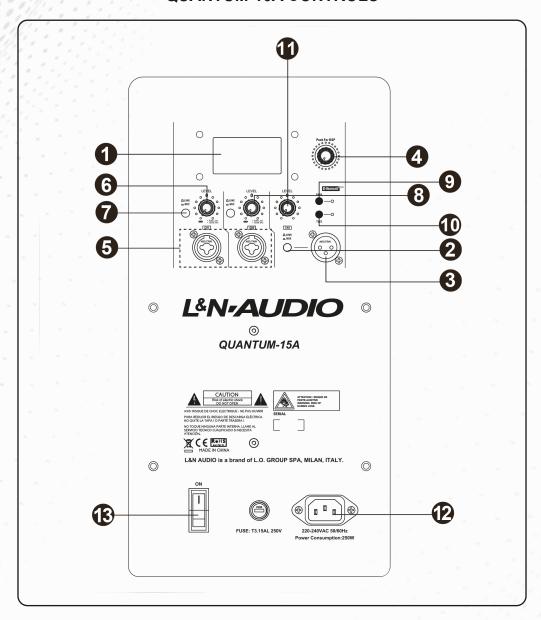
DSP Parameter:	
EQ:	Bass/Treble
Frequency Range:	Bass/Treble 45-20K Hz
Woofer:	
Cabinet:	HPP moulded cabinet
Fuse:	T3. 15AL/250V
Pole mount:	35mm stand pole
Dims / Weight:	460x705x413mm/19.5kg







## **QUANTUM-15A CONTROLS**



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- 4. DSP edit button
- 5. CH1/CH2 COMBO XLR-JACK input
- 6. CH1 Input signal volume control
- 7. CH1 LINE/MIC input switch

- 8. CH2 input signal volume control
- 9. PAIR
- 10. TWS
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This switch sets the sensitivity of the respective channel for microphone or line level equipment.

## PANEL FUNCTIONS INSTRUCTIONS

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This knob control input signal volume, turn left is min volume, turn right is max volume.

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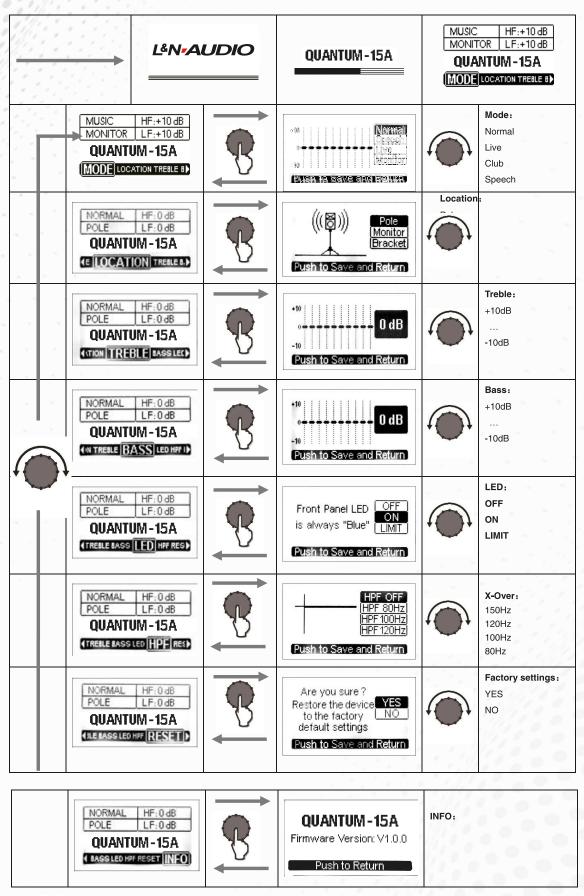








## **QUANTUM-15A FUNCTION INSTRUCTION**





Press to confirm, and rotate clockwise or counterclockwise to select.







# **UBICACIÓN QUANTUM-15A**

1. UBICACIÓN: FUNCION DE MONITOR



# **VISUALIZACION EN DISPLAY**



# 2. UBICACIÓN: FUNCION DE PARED



# **VISUALIZACION EN DISPLAY**



# **ROSCA M10 (PARA COLGAR EN LA PARED)**









# 3. UBICACIÓN: FUNCION DE PEDESTAL

## **VISUALIZACION EN DISPLAY**





## **FUNCIONES**

**ECUALIZADOR CON AGUDOS Y GRAVES** 

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PARA LAS FRECUENCIAS BAJAS, 80-100-120Hz

**FUNCION BLUETOOTH 5.0 CON TWS - VERIFICADO** 









# **USING THE UNIT SAFELY**

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS				
About W	/ARNING and CAUTION Notices		About the Symbols	
WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.	A	This symbol alerts the user to important instructions or warnings.	
CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly.	0	This symbol alerts the user to items that must never be carried out (are forbidden).	

### ALWAYS OBSERVE THE FOLLOWING

WARNING	WARNING
 Before using this unit, make sure to read the instructions below, and the Owner's Manual.	Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.
Do not open (or modify in any way) the unit or its AC adaptor.  Do not attempt to repair the unit, or replace parts within it(except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer or the nearest	Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards.
authorized Service Center.  Never use or store the unit in places that are:  Subject to temperature extremes(e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are  Damp and humid(e.g., baths, washrooms, on wet floors); or are	This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should immediately stop using the unit, and consult an audiologist.
<ul><li>Exposed to rain; or are</li><li>Dusty; or are</li><li>Subject to high levels of vibration.</li></ul>	Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water soft drinks, etc.) to penetrate the unit.
Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.	Immediately turn the power off, remove the AC adaptor from the outlet, and request servicing by your retailer or the nearest authorized Service Center when:
Be sure to use only the AC adaptor supplied with the unit. Also, make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body.	The AC adaptor, the power-supply cord, or the plug has been damaged; or If smoke or unusual odor occurs Objects have fallen into, or liquid has been spilled onto the unit; or The unit has been exposed to rain (or otherwise has become wet); or The unit does not appear to operate normally or exhibits a marked change in performance.











# **USING THE UNIT SAFELY**

WARNING		CAUTION
0	Protect the unit from strong impact. (Do not drop it!)	Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.
	Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other	Never climb on top of, nor place heavy objects on the unit.
0	devices. Be especially careful when using extension cords-the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.	Never handle the AC adaptor or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.
		Before moving the unit, disconnect the AC adaptor and all cords coming from external devices.
	Before using the unit in a foreign country, consult with your retailer or the nearest authorized Service Center.	Before cleaning the unit, turn off the power and unplug the AC adaptor from the outlet.
0	Batteries must never be recharged, heated, taken apart, or thrown into fire or water.	Whenever you suspect the possibility of lightning in your area, disconnect the AC adaptor from the outlet.
	Only switching off the unit and unplugging from an outlet, the unit is powered off completely.	If used improperly, batteries may explode or leak and cause damage or injury. In the interest of safety, please read and observe the following precautions.  Carefully follow the installation instructions
	The unit and the AC adaptor should be located so their location or position does not interfere with their proper ventilation.	for batteries, and make sure you observe the correct polarity.  Avoid using new batteries together with used ones.
<b>A</b>	Always grasp only the plug on the AC adaptor cord when plugging into, or unplugging from, an outlet or this unit.	<ul> <li>If a battery has leaked, use a soft piece of cloth or paper towel to wipe all remnants of the discharge from the battery compartment. Then install new batteries. To avoid inflammation of the skin, make sure that none of the battery discharge gets onto your hands or skin. Exercise the utmost caution so that none of the discharge gets near your eyes. Immediately rinse the affected area with running water if any of the discharge has entered the eyes.</li> <li>Never keep batteries together with metallic objects such as ballpoint pens, necklaces, hairpins, etc.</li> <li>Dispose of the waste battery according to national or local regulations regarding hazardous waste.</li> </ul>
A	At regular intervals, you should unplug the AC adaptor and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any	Should you remove screws, keep them in a safe place out of children's reach, so there is no chance of them being swallowed accidentally.  Shock hazardous voltages and currents are present inside the enclosure. Do not remove and
accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire.	replace the speaker grill and speaker by any means.	











## **USING THE UNIT SAFELY**

#### **IMPORTANT NOTES**

#### **Power Supply: Use of Batteries**

- Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter (such as a refrigerator, washing machine, microwave oven, or air conditioner), or that contains a motor. Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- The AC adaptor will begin to generate heat after long hours of consecutive use. This is normal, and is not a cause for concern
- When installing or replacing batteries, always turn off the power on this unit and disconnect any other devices you may have connected. This way, you can prevent malfunction and /or damage to speakers or other
- Use only suitable rechargeable batteries of the same size and type. Make sure the polarity is correct. Or it may cause this unit to malfunction.
- Please charge the battery as soon as you can when in low energy. The battery's storage capacity goes down if not using it for a long time.

Note: Please charge the battery once a month regularly if not using it for long period.

#### **Placement**

- Using the unit near power amplifier (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit.

#### **IMPORTANT NOTES**

- When moved from one location to another where the temperature and /or humidity is very different, water droplets (condensation) may form inside the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time. Such objects can discolor or otherwise harmfully affect the finish.
- Do not paste stickers, decals, or the like to this instrument. Peeling such matter off the instrument may damage the exterior finish.

#### Maintenance

- For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

#### **Additional Precautions**

- Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to
- When connecting/disconnecting all cables, grasp the connector itself-never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels (especially when it is late at night or near specific places like schools or hospitals).
- When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.





