

# User's Manual

## ELVIS 15.2XL Series



[www.altoproaudio.com](http://www.altoproaudio.com)

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— English —

## SAFETY RELATED SYMBOLS



This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.



This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.



Protective Ground Terminal



AC mains (Alternating Current)



Hazardous Live Terminal

**ON:** Denotes the product is turned on.

**OFF:** Denotes the product is turned off.

### WARNING

Describes precautions that should be observed to prevent the possibility of death or injury to the user.

### CAUTION

Describes precautions that should be observed to prevent damage to the product.



Disposing of this product should not be placed in municipal waste and should be separate collection.

### WARNING

#### • Power Supply

Ensure that the mains source voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user.

Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

#### • External Connection

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice, from a registered electrician.

#### • Do not Remove any Covers

Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed.

**Covers should be removed by qualified service personnel only.**

No user serviceable parts inside.

#### • Fuse

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

#### • Protective Ground

Before turning the product ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock. Never cut internal or external Ground wires. Likewise, never remove Ground wiring from the Protective Ground Terminal.

#### • Operating Conditions

Always install in accordance with the manufacturer's instructions.

To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture. Do not use this product when in close proximity to water.

Do not install this product near any direct heat source.

Do not block areas of ventilation. Failure to do so could result in fire.

Keep product away from naked flames.

#### • **Servicing**

Refer all servicing to qualified service personnel only.

Do not perform any servicing other than those instructions contained within the User's Manual.

### **IMPORTANT SAFETY INSTRUCTIONS**

Read these instructions

Follow all instructions

Keep these instructions. Do not discard.

Heed all warnings.

Only use attachments/accessories specified by the manufacturer.

#### • **Power Cord and Plug**

Do not tamper with the power cord or plug. These are designed for your safety.

Do not remove Ground connections!

If the plug does not fit your AC outlet seek advice from a qualified electrician.

Protect the power cord and plug from any physical stress to avoid risk of electric shock.

Do not place heavy objects on the power cord. This could cause electric shock or fire.

#### • **Cleaning**

When required, either blow off dust from the product or use a dry cloth.

Do not use any solvents such as Benzol or Alcohol.

For safety, keep product clean and free from dust.

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# 1. QUICK START - PASSIVE /ACTIVE SPEAKER CABINET

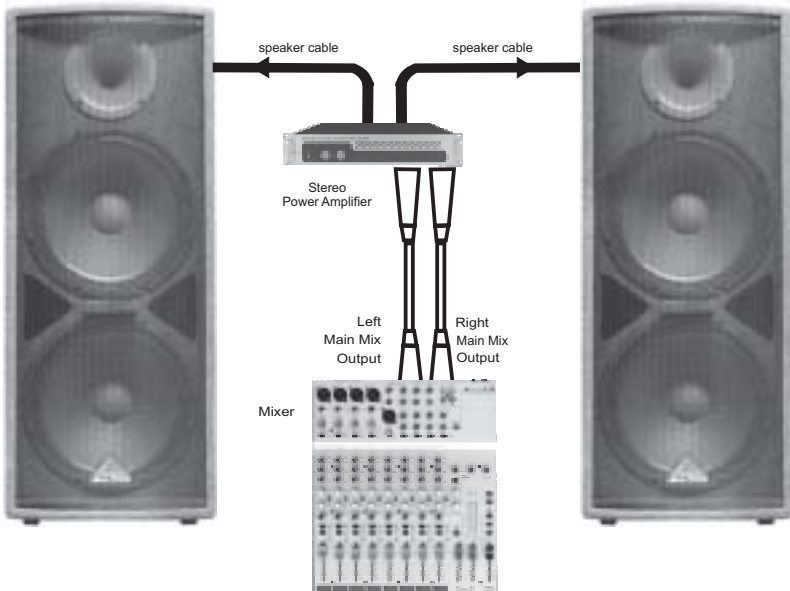
Make all initial connections with all the equipment powered off, and ensure that all the main volume controls are turned completely down.

## - For Passive Full-range Speakers

- 1). Connect one side of the speaker cable to the Output CHA/CHB or Binding Post of your stereo power amplifier and the other side to the Input socket of your speaker cabinet.
- 2). Complete other connections as illustrated.
- 3). Turn on your mixer first, then the stereo power amplifier.
- 4). Turn up the volume controls of your amplifier to about 70%.
- 5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.
- 6). After using, turn off your stereo power amplifier first, then the mixer.

### QUICK START

#### Elvis Passive Full-range Speakers

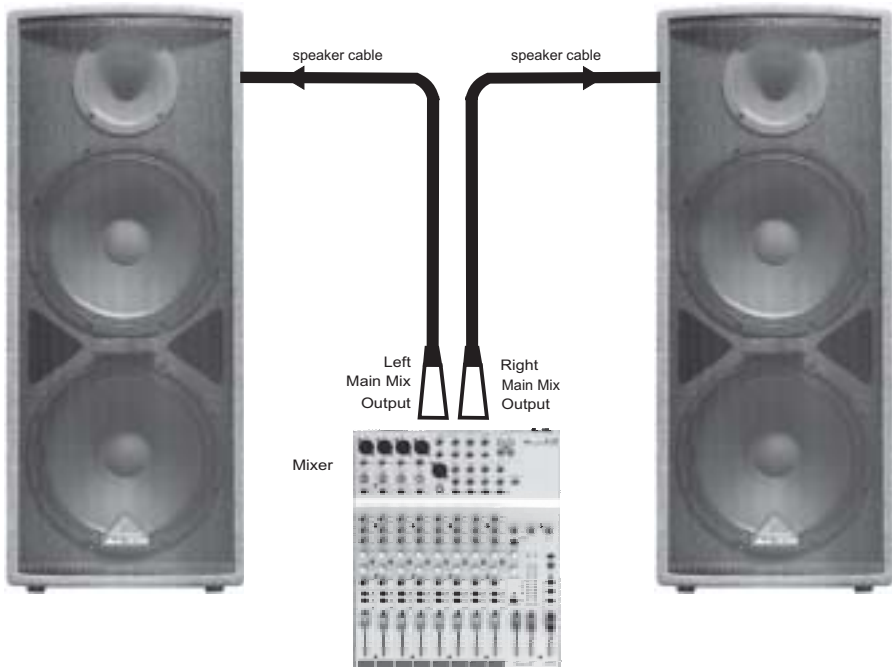


## - For Active Full-range Speakers

- 1). Connect one side of the signal cable at your audio mixer in to Output Left /Right (with Stereo-Jack or XLR) and the other side of the cable in to the Line Input (COMBO) of your active speaker cabinet (with Stereo-Jack or XLR).
- 2). Connect the power cord to mains.
- 3). Turn on your mixer first, then the active speaker cabinets.
- 4). Turn up the volume control of the active speaker cabinets.
- 5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.
- 6). After using, turn off your active speaker cabinets first, then the mixer.

### QUICK START

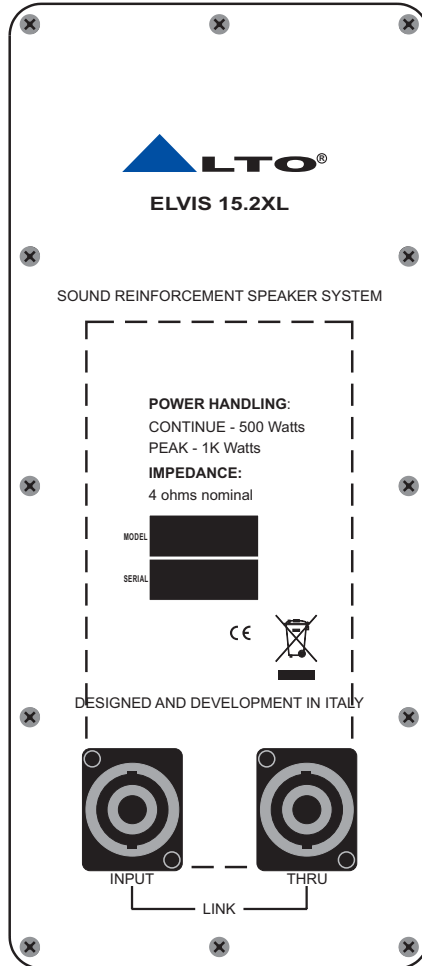
#### Elvis Active Full-range Speakers



## 2. CONNECTION PLATE

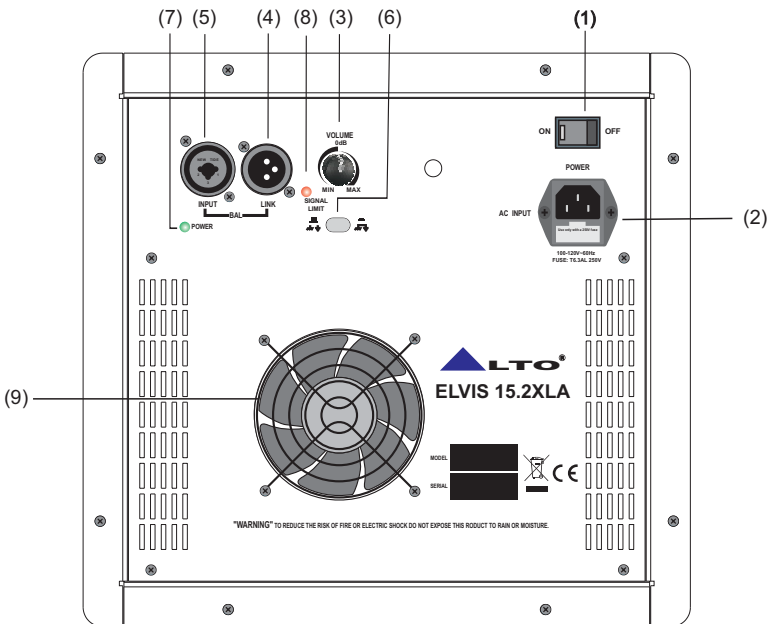
- PASSIVE FULL-RANGE Speaker for ELVIS 15.2XL

- (1) INPUT: Receive the power coming from an external power amplifier (SPK +1/-1 connected; +2/-2 not connected).
- (2) THRU: Direct LINK for connect in parallel a second speaker cabinet (SPK +1/-1 connected; +2/-2 not connected).



## - ACTIVE FULL- RANGE Speaker for ELVIS15.2XLA

- (1) Bi-polar main power switch
- (2) Input AC power socket with main fuse
- (3) VOLUME main power amplifier control
- (4) LINE OUT at + 4dB on XLR connector
- (5) LINE IN at + 4dB on COMBO connector
- (6) Ground Switch
- (7) POWER, Green LED, indicate ON status
- (8) SIGNAL LIMIT, Red LED, indicate ON status
- (9) Fan

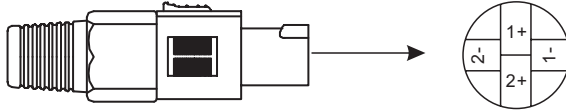




### 3. WIRE CONNECTIONS

- For Passive Speaker Cabinets

Please use only the power connectors to make connections with other signal source equipment for the passive speaker cabinets. The power connector has four terminals: 1+, 1-, 2+, 2-.

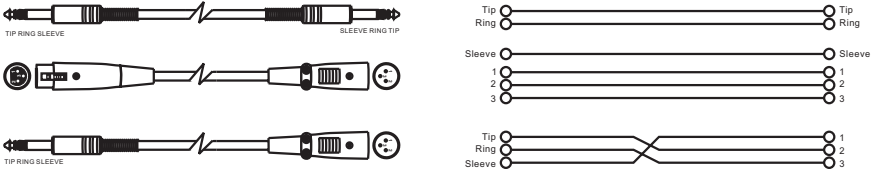


In our cabinets, only 1+/1- are used to connect the Speaker+/Speaker-, and 2+/2- are not used.

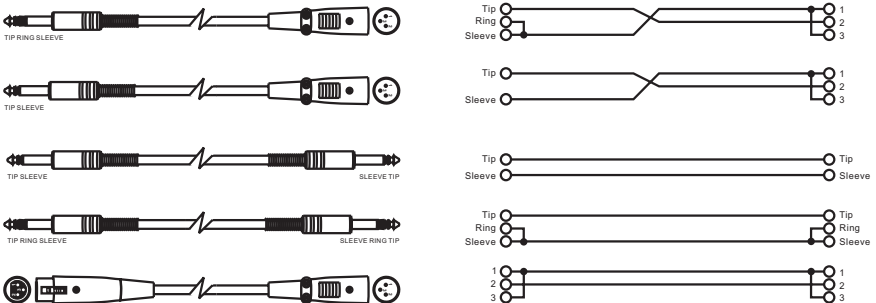
- For Active Speaker Cabinets

As to these circumstances, audio connections is mostly intended for the signal flow, so, determine the wire configuration according to your real application system and its connecting facility. Normally, you have the following choices:

• Balanced



• Unbalanced



## 4. TECHNICAL SPECIFICATIONS

Model No.	ELVIS15.2XL
System Type	3-Way Vented Box
Continuous Power	500W AES Standard
Peak Power Rating	1000W Peak
Sensitivity (1W, 1m)	101dB /122 dB Max
Frequency Response	55Hz /20kHz +/-6dB
Impedance	4 $\Omega$ Nominal
Crossover Frequency	2200Hz 12dB/oct
Protection	Electronics High Frequencies Protection
Low-Frequency	2*15"/385mm Woofer
High-Frequency	1"Compression Driver
Spherical Wave Guide	Custom Horn with Polypropylene Reinforced
Horn Coverage	80° H x 80° V
Connectors (+1/-1)	2 x SPK4 Input/Link @+1/-1 Connected - +2/-2 not connected
Enclosure	Trapezoidal Cabinet in 18mm Particle Board P.B. -Covered with Resistant Carpet -Black Metal Grille Protection
Dimensions (H x W x D)	1114 x 452 x 449 mm
Net Weight (lbs/kg)	93.92lbs/42.60kg
Gross Weight (lbs/kg)	107.94lbs/48.96kg
Volume	11.91CFT

Model No.	ELVIS15.2XLA
Active System Type	2-Way Bi-Amp
Low Output Power	350 Watt EIAJ
High Output Power	65 Watt EIAJ
Max SPL 1mt	122dB SPL Calculated
Frequency Response	55Hz-20kHz at -10dB
Protection Low - High	Analog Limiter
Low Frequency Device	2 x 15" woofer / 2.5" Voice Coil
High Frequency Device	1" Driver / 1" Voice Coil
Coverage (H° x V°)	80° H x 80° V Spherical Wave Guide
Input Sensitivity	Line +4dB
Input Impedance	30k $\Omega$ Balanced / 15k $\Omega$ Unbalanced
Connectors	Input with Combo / Link with XLR
Enclosure	Trapezoidal Shape / Particle Board/ Plastic Handle / Gray Carpet Finishing
External Control	Line Volume / Clipping LED indicator / Ground Switch
Net Weight (lbs/kg)	1114 x 452 x 449 (mm)
Dimensions (H x W x D)	97.89lbs/44.4kg
Power Section	
Output Power	350 WATT EIAJ (300WATT RMS)
Impedance	4 $\Omega$ Load
S/N ratio	>110 dB/A
Distortion	<0.05% (THD, DIM, SMPTE)
Gain	32dB
Bandwidth	10Hz to 50 kHz
Protections	Overload / Short Circuite / Soft Clip Limiter / Thermal Protection Fan Cooling

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