

**OWNER'S MANUAL** 

# **ELVIS SPEAKER ENCLOSURES** PASSIVE AND ACTIVE MODELS



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### **IMPORTANT SAFETY INSTRUCTION**



TO REDUCE THE RISK OF ELECTRIC SHOCK PLEASE DO NOT REMOVE THE COVER OR THE BACK PANEL OF THIS EQUIPMENT. THERE ARE NO PARTS NEEDED BY USER INSIDE THE EQUIPMENT. FOR SERVICE, PLEASE CONTACT QUALIFIED SERVICE CENTERS.

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 Please read.

- Protective Ground Terminal
- $\sim$  AC mains (Alternating Current)
- 4 Hazardous Live Terminal
- ON: Denotes the product is turned on.
- OFF: Denotes the product is turned off.

#### CAUTION

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

- 1. Read this Manual carefully before operation.
- 2. Keep this Manual in a safe place.
- **3.** Be aware of all warnings reported with this symbol.



- Keep this Equipment away from water and moisture.
- 5. Clean it only with dry cloth. Do not use solvent or other chemicals.
- 6. Do not damp or cover any cooling opening. Install the equipment only in accordance with the Manufacturer's instructions.
- 7. Power Cords 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.
- **8.** Unplug this equipment when unused for long periods of time or during a storm.
- 9. Refer all service to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.
- 10. 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.

# WARNING

To reduce the risk of electric shock and fire, do not expose this equipment to moisture or rain.



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

11. Move this Equipment only with a cart,

stand, tripod, or bracket, specified by the manufacturer, or sold with the Equipment. When a cart is used, use caution when moving the cart / equipment combination to avoid possible injury from tip-over.



 Permanent hearing loss may be caused by exposure to \ extremely high noise levels. The US. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible exposure to noise level.

These are shown in the following chart:

#### HOURS X DAY SPL EXAMPLE

8	90	Small gig
6	92	train
4	95	Subway train
3	97	High level desktop monitors
2	100	Classic music concert
1,5	102	
1	105	
0,5	110	
0.25 or less	115	Rock concert

According to OSHA, an exposure to high SPL in excess of these limits may result in the loss of heat. To avoid the potential damage of heat, it is recommended that Personnel exposed to equipment capable of generating high SPL use hearing protection while such equipment is under operation.

The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

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### **1. INTRODUCTION**

Thank you for your purchasing one of our ELVIS speaker enclosures. It is just one of the many Alto products that a talented, multinational Team of Audio Engineers and Musicians have developed with their great passion for music. We design all our transducers and cabinets in Emilia-Romagna of Italy, a lowland famous for music and fast cars. In fact, Lamborghini, Maserati and Ferrari are made just a few miles away from our design centers. The same area has a long tradition in designing and manufacturing some of the world's best professional transducers. Your ELVIS speaker cabinet is capable of very high sound pressure level and it has been created to give you a performance that is better than any loudspeaker in this range. They are flexible in their passive and active configurations and can be used with single and multiple subwoofers. The active models even include a microphone preamplifier and a three-band graphic equalizer.

Enjoy your ELVIS speaker and make sure to read this Manual carefully before operation!

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**Passive, Full-range, two speakers.** This is the simplest set-up. You just need a mixer and a stereo amplifier. It is good for small club gigs, disco,etc.

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

- 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 Elvis 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 use, turn off your stereo power amplifier first, then the mixer.



If you use a powered mixer for the passive speakers, it is no need to use an amplifier. make sure all the main volume controls of your power mixer are turned down completely.

- 1). Connect one side of the speaker cable to the SPEAKER OUT of your powered mixer and the other side to the Input socket of your Elvis speaker cabinet.
- 2). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to manipulate the output level.
- 3). After use, turn down of the Main Mix Level control first, then turn off the powered mixer.







**Passive, Full-range, four speakers.** It is similar to the first set-up but four speakers are connected instead of two.

- 1). Follow the same steps as described above.
- 2).Connect the THROUGH socket of the first Elvis cabinet to the INPUT socket of the second Elvis cabinet.

**NOTE:** Every time you connect Elvis cabinets this way your parallel them to the output of the amplifier that will read half of the impedance of one speaker.



MIXER



**Passive two subwoofers and two satellite speakers.** With this example, the stereo amplifier drives both the subwoofers and the satellites. In this case we do not call them full-range anymore because they receive a signal from the subwoofer that is already xovered at 125 Hz. In this way, the high energetic content of the low frequencies is limited to the subwoofer and the satellite's woofer act like a mid-woofer.

- 1). Connect one side of 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 subwoofer, with the second speaker cable connect the Output of the sub -woofer to the Input of satellite.
- 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 use, turn off your stereo power amplifier first, then the mixer.



MIXER



Active, Full-range, two speakers. It is similar to the passive example but you do not need a power amplifier in between the mixer and the 2 ELVIS speakers Make all initial connections with all the equipment powered off, and ensure that all the main volume controls are turned down completely.

- 1). Connect one side of the signal cable at your mixer into the Main Output Left / Right (with 1/4"Jack or XLR) and the other side of the cable in to the Line Input (COMBO) of your ELVIS active speaker cabinet (with1/4"Jack or XLR).
- 2). Connect the power cord to mains.
- 3). Turn ON your mixer first, then the ELVIS cabinets.
- 4). Turn up the volume control of the ELVIS cabinets.
- 5). Use PFL function to get the proper input level for the mixer, and adjust the Main Mix Level control to reach the desired output level.
- 6). After use, turn off your active speaker cabinets first, then the mixer.







Active, Full-range, multiple speakers. This solution is particularly flexible when you have a large stage and for fixed installations where you want to send the same signal to different zones like in a Bar, Pub, Restaurant, Church, etc. Each ELVIS cabinet has its own volume control so you can adjust different volumes in different zones.

- 1). Follow the above steps connecting the MAIN OUTPUTS of the mixer to the LINE INPUTS of 2 Elvis active cabinets.
- 2). Connect the LINE OUT socket of the first ELVIS cabinet to the LINE IN socket of the subsequent piece. You can connect as many speakers as you wish in this way.



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Active, two subwoofers & two satellite speakers. In this example, the mixer is connected to the ELVIS subwoofers and then a 125 Hz xovered line signal is sent to the respective satellites. In this way, the high energetic content of the low frequencies is limited to the subwoofer and the satellite's woofer act like a mid -woofer. As a consequence the satellites built-in amplifier is not stressed by low frequency content.

- Connect one side of signal cable at your mixer into Main Output Left/Right (with1/4" Jack or XLR) and the other side of the cable into the Left/Mono Input (COMBO) of the ELVIS active subwoofers; with the second signal cable connect the Left/Mono Line Output of the subwoofer (Stereo/Mono-Jack or XLR) to the Line input (COMBO) of the active satellite (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 use, turn off your active speaker cabinets first, then the mixer.





#### Active, one subwoofer and two satellite speakers.

This is a very popular combination, especially in small size clubs where there is no need for two subwoofers.

- 1). Connect one side of signal cable at your mixer into Main Output Left (with 1/4"Jack or XLR) and the other side of the cable into the Left Input of the ELVIS active subwoofer. Repeat for the RIGHT channel. With the second signal cable connect the Left Line Output of the subwoofer (Stereo/Mono -Jack or XLR) to the Line input (COMBO) of the active satellite (with Stereo -Jack or XLR). Repeat for the RIGHT channel
- 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 use, turn off your active speaker cabinets first, then the mixer.







#### Active, with Microphone and Line Level instruments.

Your Elvis cabinets come with both Line-level and with Microphone Inputs. You can directly connect a microphone into your Elvis cabinet using the MIC input and a keyboard or an electric guitar (you must interconnect a D/I Box if you want to use the guitar) and use the relative level controls as a simple mixer. You can then use the resident 3-bands graphic equalizer to fine-tune your sound. This configuration is good for presentation, meetings, aerobic centers and fashion shows (you can also connect a wireless microphone into the Line input, or for "One Man band" performances.)







- -. PASSIVE FULL-RANGE: ELVIS10/ELVIS12/ELVIS15/ELVIS12M/ELVIS15M
  - 1). **INPUT:** Receive the signal coming from an external power amplifier. (SPK +1/-1 connected; +2/-2 not connected).
  - 2). **THRU:** Direct LINK to connect in parallel a second speaker cabinet (SPK + 1/-1 connected; +2/-2 not connected).



- -. PASSIVE SUBWOOFERS: ELVIS12S/ELVIS15S
  - 1). **INPUT:** Receive the signal coming from an external amplifier. (SPK + 1/-1 connected; +2/-2 not connected).
  - 2). **OUTPUT:** Power output for satellite speaker, under passive crossover filtered at 125Hz (SPK +1/-1 connected; +2/-2 not connected).

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### 4. CONNECTIONS



### **ACTIVE FULL- RANGE :**

ELVIS10A/ELVIS12A/ELVIS15A/ELVIS12MA/ELVIS15MA

- 1). **ON-OFF** power switch.
- 2). Input **AC power socket** with main fuse.
- 3). Ground lift Switch.
- 4). **POWER**, blue LED, indicate ON status.
- 5). **SIGN/COMP,** signal/ compressor, Green/red LED
- 6). LINE OUT at + 4dB on XLR connector
- 7). LINE IN at + 4dB on COMBO connector.
- 8). **VOLUME** main power amplifier control.
- 9). LOW/MID/HIGH, EQ tone control at +/-6dB.
- 10). GAIN control for microphone -10/-45dB.
- 11). MIC IN on balanced XLR, for microphone.

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#### 3 BANDS EQ

You have three EQ control on your Elvis 2-way active cabinets each providing providing +/-6dB of boost and cut. The signal will be unaffected when the controls or on center position.

- HI

If you turn this control up you will boost all the frequencies above 12 kHz (shelving filter). You will add transparency to vocals and guitar and also make cymbals crispier. Turn the control down to cut all frequencies above 12 kHz. In such way you can reduce sibilances of human voice or reduce the hiss of a Tape player.

#### - MID

This is a peaking filter and it will boost/cuts frequencies with their center at 2.5 kHz. This control will affect especially upper male and lower female vocal ranges and also the harmonics of most musical instruments.

#### - LOW

If you turn this control up you will boost all frequencies below 80 Hz. You will give more punch to bass drums and bass guitar; and you will make the male vocalist more "macho". Turn it down and you will cut all the frequencies below 80 Hz. In this way you can avoid low-frequency vibrations and resonance thus preserving the life of your woofers.





### ACTIVE SUBWOOFERS: ELVIS12 SA/ELVIS15 SA

- 1). **ON-OFF** main power switch.
- 2). Input AC power socket with main fuse.
- 3). Ground lift Switch.
- 4). **POWER**, blue LED, indicate ON status.
- 5). SIGN/COMP, signal/compressor, green/red LED
- 6). LEFT signal output on XLR or Jack connector for active satellite, under electronic crossover at 125 Hz.
- 7). **RIGHT** on XLR connector for active satellite, under electronic crossover at 125 Hz.
- 8). **VOLUME** main power amplifier control.
- 9). **RIGHT**, input signal on XLR connector.
- 10). LEFT/MONO, input signal on COMBO connector.





#### -. For Passive Speaker Cabinets

Please only use 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:

8 Tip Ring dan 🗖 m m THE Tip O Bing O Sleeve O O Sleeve 8 Ž: Unbalanced Ring EX: (::) diff Tip O Eg: • •  $|\odot$ 41 Sleeve O ¢IC O Tip Sleeve O O Sleeve MD ŝČ-**LŎ**ŝ 

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Balanced

Model No.	ELVIS10
System type	2-way Vented Box
Continuous Power	120W AES Standard
Peak Power Rating	240W Peak
Sensitivity (1W, 1m)	96 dB/116.5 dB Max
Frequency Response	65 Hz/20 kHz +/-6 dB
Impedance	8 Ohms Nominal
Crossover Frequency	2700 Hz 12 dB/oct.
Protection	Electronics High Frequencies Protection
Low-Frequency	10"/266 mm woofer
High-Frequency	1" Compression Driver
Spherical Wave Guide	Custom Horn with Polypropilene 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.BCovered with
	resistant carpet -Black metal grille protection
Dimensions (H x W x D)	580 x 345 x 305 mm
Net Weight (lbs/kg)	31.22 lbs/14.16 kg
Gross Weight (lbs/kg)	37.92 lbs/17.2 kg
Volume	4.58 CFT
Model No.	ELVIS12
System type	2-way Vented Box
Continuous power	180 W AES Standard
Peak Power Rating	360 W Peak
Sensitivity (1W, 1m)	97 dB/119.5 dB Max
Frequency Response	60 Hz/20 kHz +/-6 dB
Impedance	8 Ohms Nominal
Crossover Frequency	2500 Hz 12 dB/oct.
Protection	Electronics High Frequencies Protection
Low-Frequency	12"/318mm Woofer
High-Frequency	1" Compression Driver
Spherical Wave Guide	Custom Horn with Polypropilene 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 18 mm particle board P.BCovered with
	resistant carpet -Black metal grille protection
Dimensions (H x W x D)	635 x 405 x 340 mm
Net Weight (lbs/kg)	40.34 lbs/18.30 kg
Gross Weight (lbs/kg)	48.28 lbs/21.9 kg
Volume	6.03 CFT

Model No.	ELVIS15
System type	2-way Vented Box
Continuous power	250 W AES Standard
Peak Power Rating	500 W Peak
Sensitivity (1W, 1m)	98 dB/122 dB Max
Frequency Response	55 Hz/20 kHz +/-6 dB
Impedance	8 Ohms Nominal
Crossover Frequency	2200 Hz 12 dB/oct.
Protection	Electronics High Frequencies Protection
Low-Frequency	15"/385 mm woofer
High-Frequency	1"Compression Driver
Spherical Wave Guide	Custom Horn with Polypropilene 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 18 mm particle board P.BCovered with
	resistant carpet -Black metal grille protection
Dimensions (H x W x D)	700 x 455 x 370 mm
Net Weight (lbs/kg)	50.17 lbs/22.76 kg
Gross Weight (lbs/kg)	58.86 lbs/26.7 kg
Volume	7.35 CFT
Model No.	ELVIS12M
System type	2-way Vented Box
Continuous power	180 W AES Standard
Peak Power Rating	360 W Peak
Sensitivity (1W, 1m)	97 dB/119 dB Max
Frequency Response	75 Hz/20 kHz +/-6 dB
Impedance	8 Ohms Nominal
Crossover Frequency	2500 Hz 12 dB/oct.
Protection	Electronics High Frequencies Protection
Low-Frequency	12"/318mm woofer
High-Frequency	1" Compression Driver
Spherical Wave Guide	Custom Horn with Polypropilene Reinforced
Horn Coverage	80°H × 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.BCovered with
	resistant carpet -Black metal grille protection
Dimensions (H x W x D)	615 × 405 × 345 mm
Net Weight (lbs/kg)	38.93 lbs/17.66 kg
Gross Weight (lbs/kg)	46.29 lbs/21 kg
Volume	6.10 CFT

Model No	FIVIS15M
System type	2-way Vented Box
Continuous power	250 W AES Standard
Peak Power Rating	500 W Peak
Sensitivity (1W, 1m)	98 dB/122 dB Max
Frequency Response	55 Hz/20 kHz +/-6 dB
Impedance	8 Ohms Nominal
Crossover Frequency	2200 Hz 12 dB/oct.
Protection	Electronics High Frequencies Protection
Low-Frequency	15"/385 mm woofer
High-Frequency	1" Compression Driver
Spherical Wave Guide	Custom Horn with Polypropilene 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 18 mm particle board P.BCovered with
	resistant carpet -Black metal grille protection
Dimensions (H x W x D)	680 × 450 × 370 mm
Net Weight (lbs/kg)	50.88 lbs/23.08 kg
Gross Weight (lbs/kg)	62.26 lbs/28.24 kg
Volume	8.12 CFT
Model No.	ELVIS12S
System type	Vented Box
Continuous power	200 W AES Standard
Peak Power Hating	400 W Peak
Sensitivity (1W, 1m)	97 dB/119dB Max
Frequency Hesponse	50 Hz/20 kHz +/-6 dB
	4 Uhms Nominal
Lossover Frequency	125 Hz 6 dB/oct.
Low-Frequency	12"/318 mm wooter
Connectors(+1/-1)	2 X SPK4 @ In/out
Enclosure	rapezoidal cabinet in 18 mm particle board P.BCovered with
	APE w 400 w 4FE mm
Dimensions (H X W X D)	490 X 400 X 400 MM 51 15 lbc/02 2 kg
Net weight libs/kgJ	
Gross vveight libs/kgj	07.38 IDS/20.3 Kg € 15.0FT
voiume	

External Control

Net Weight (lbs/kg)

Gross Weight (lbs/kg)

Power Supply

Volume

Model No.	ELVIS15S
System type	Vented Box
Continuous power	300 W AES Standard
Peak Power Rating	600 W Peak
Sensitivity (1W, 1m)	98 dB/122 dB Max
Frequency Response	45 Hz/20 kHz +/-6 dB
Impedance	4 Ohms Nominal
Crossover Frequency	125 Hz 6 dB/oct.
Low-Frequency	15"/385 mm Woofer
Connectors(+1/-1)	2xSPK4 @ in/out
Enclosure	Trapezoidal cabinet in 18 mm particle board P.BCovered with
	resistant carpet -Black metal grille protection
Dimensions (H x W x D)	565 x 455 x 525 mm
Net Weight (lbs/kg)	65.48 lbs/29.7 kg
Gross Weight (lbs/kg)	74.52 lbs/33.8 kg
Volume	8.67 CFT
	50/0404
Model No.	ELVISTOA
Output Power IHF	150 Watt IHF
Uutput Power RMS	84.2 W@8 Uhms 136 W@4 Uhms
Max SPL at 1mt	117.5 dB(IHF Power)
Input Sensitivity	Line 0 dB/0.775 V/Mic-10 at -45 dB
Input Impedance	30 kOhms Balanced -15 kOhms Unbalanced
Connectors	Mic on XLH/Line Input on Combo/Line-Mix Uutput on XLH
Subsonic Filter	30 Hz-24 dB/oct.
Protections	Soft-Start, Compressor
External Control	Mic Gain-EU-High-Mid-Low-Volume-Ground Switch
Power Supply	230 Volt/115 Volt 50/60 Hz
Net Weight libs/kgJ	40.12 lbs/18.2 kg
Gross Weight libs/kgJ	45.83 lbs/21.24 kg
Volume	4.58 CFI
NA 1 1 NI	E1///C4 OA
Model No.	
Output Power IHF	
May CDL at 1mt	13 W@8 UNRS 212 W@4 UNRS
Max SPL at Imt	
Input Jensitivity	LITE U UB/U. 773 V/WIC-TU at -43 UB
	JU KUNMS Balanced - 15 KUNMS Unbalanced Mia an XI R/Lina Input on Combo/Lina Mix Output on XI R
Subsonic Filter	
Protections	SOTT-START, LOMPRESSOR

Mic Gain-EQ-High-Mid-Low-Volume-Ground Switch

230 Volt/115 Volt 50/60 Hz

50.95 lbs/23.11 kg 58.89 lbs/26.71 kg

6.03 CFT

_		
	Model No.	ELVIS15A
_	Output Power IHF	350 Watt IHF
	Output Power RMS	169 W@8 Ohms 300 W@4 Ohms
_	Max SPL at 1mt	
	Input Sensitivity	Line U dB/U. 7/5 V/Mic-1U at -45 dB
_	Input Impedance	30 kOhms Balanced - 15 kOhms Unbalanced
	Connectors	Mic on XLH/Line Input on Combo/Line-Mix Uutput on XLH
_	Subsonic Filter	30 Hz-24 dB/oct.
	Protections	Soft-Start, Compressor
_	External Control	Mic Gain-EQ-High-Mid-Low-Volume-Ground Switch
	Power Supply	230 Volt/115 Volt 50/60 Hz
_	Net Weight libs/kgJ	62.83 lbs/28.5 kg
	Gross Weight libs/kgJ	/1.52 lbs/32.44 kg
_	Volume	7.35 CFT
		E11/104 0144
	Model No.	
	Output Power IHF	250 Watt IHF
	Uutput Power HMS	113 W@8 Uhms 212 W@4 Uhms
	Max SPL at 1mt	
	Input Sensitivity	Line U dB/U. / /5 V/Mic-1U at -45 dB
		30 KUNMS Balanced - 15 KUNMS Unbalanced Mis as XI Pilling lawst as Osmboli ing Mix Ostavit as XI P
	Connectors Subsection Filter	NIC ON XLH/LINE INPUT ON COMBO/LINE-IVIX OUTPUT ON XLH
	Subsonic Filter	30 HZ-24 0B/0CC.
	Protections	Mie Ceie EO Llick Mid Lew Volume Coound Cuiteb
	External Control	
	Net Weight (lbs/kg)	49.54 lbs/22.47 kg
	Gross Weight (lbs/kg)	56 92 lbc/25 82 kg
		6 10 CFT
	Volume	
	Model No.	ELVIS15MA
	Output Power IHF	350 Watt IHF
	Output Power RMS	169 W@8 Ohms 300 W@4 Ohms
	Max SPL at 1mt	123 dB (IHF Power)
	Input Sensitivity	Line 0 dB/0.775V/Mic-10 at -45 dB
	Input Impedance	30 kOhms Balanced-15 kOhms Unbalanced
	Connectors	Mic on XLR/Line Input on Combo/Line-Mix Output on XLR
	Subsonic Filter	30 Hz-24 dB/oct.
	Protections	Soft-Start, Compressor
	External Control	Mic Gain-EQ-High-Mid-Low-Volume-Ground Switch
	Power Supply	230 Volt/115 Volt 50/60 Hz
	Net Weight (lbs/kg)	65.15 lbs/29.55 kg
	Gross Weight (lbs/kg)	76.52 lbs/34.71 kg
	Volume	8.12 CFT

Model No.	ELVIS12SA
Output Power IHF	250 Watt IHF
Output Power RMS	113 W@8 Ohms , 212 W@4 Ohms
Max SPL at 1mt	121 dB(IHF Power)
Input Sensitivity	Line 0 dB/0.775 V
Input Impedance	30 kOhms-Input/600 Ohms-Output
Connectors	L/Mono-R IN on XLR/L-R OUT on XLR
Subsonic Filter	Electronic Crossover 125 Hz at 24 dB/oct.
Protections	Soft - Start, Compressor
External Control	Volume-Stereo/Mono&Ground Switch
Power Supply	230 Volt/115 Volt 50/60 Hz
Net Weight (lbs/kg)	60.36 lbs/27.38 kg
Gross Weight (lbs/kg)	67.19 lbs/30.48 kg
Volume	6.15 CFT
Model No.	ELVIS15SA
Output Power IHF	350 Watt IHF
Output Power RMS	169 W@8 Ohms , 300 W@4 Ohms
Max SPL at 1mt	123 dB (IHF Power)
Input Sensitivity	Line 0 dB/0.775 V
Input Impedance	30 kOhms-input/600 Ohms-output
Connectors	L/Mono-R IN on XLR/L-R OUT on XLR
Subsonic Filter	Electronic Crossover 125 Hz at 24 dB/oct.
Protections	Soft - Start, Compressor
External Control	Volume-Stereo/Mono & Ground Switch
Power Supply	230 Volt/115 Volt 50/60 Hz
Net Weight (Ibs/kg)	76.68 lbs/34.78 kg
Gross Weight (lbs/kg)	85.72 lbs/38.88 kg
Volume	8.67 CFT

# 7. WARRANTY

#### 1. WARRANTY REGISTRATION CARD

To obtain Warranty Service, the buyer should first fill out and return the enclosed Warranty Registration Card within 10 days of the Purchase Date. All the information presented in this Warranty Registration Card gives the

manufacturer a better understanding of the sales status, so as to provide a more effective and efficient after-sales warranty service. Please fill out all the information carefully and genuinely, miswriting or absence of this card will void your warranty service.

#### 2. RETURN NOTICE

- 2.1 In case of return for any warranty service, please make sure that the product is well packed in its original shipping carton, and it can protect your unit from any other extra damage.
- 2.2 Please provide a copy of your sales receipt or other proof of purchase with the returned machine, and give detail information about your return address and contact telephone number.
- 2.3 A brief description of the defect will be appreciated.
- 2.4 Please prepay all the costs involved in the return shipping, handling and insurance.

#### 3. TERMS AND CONDITIONS

- 3.1 ▲LTO warrants that this product will be free from any defects in materials and/or workmanship for a period of 1 year from the purchase date if you have completed the Warranty Registration Card in time.
- 3.2 The warranty service is only available to the original consumer, who purchased this product directly from the retail dealer, and it can not be transferred.
- 3.3 During the warranty service, ALTO may repair or replace this product at its own option at no charge to you for parts or for labor in accordance with the right side of this limited warranty.
- 3.4 This warranty does not apply to the damages to this product that occurred as the following conditions:
- Instead of operating in accordance with the user's manual thoroughly, any abuse or misuse of this product.
- Normal tear and wear.
- The product has been altered or modified in any way.
- Damage which may have been caused either directly or indirectly by another product / force / etc.
- Abnormal service or repairing by anyone other than the qualified personnel or technician.

And in such cases, all the expenses will be charged to the buyer.

- 3.5 In no event shall ▲LTO be liable for any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.
- 3.6 This warranty gives you the specific rights, and these rights are compatible with the state laws, you may also have other statutory rights that may vary from state to state.



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