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GENERAL CATALOGUE 2010

SPEAKERS

LINE ARRAY

AMPLIFIERS

MIXERS

P.A. SYSTEM

PROCESSORS

WIRELESS MIC. SYSTEMS

ACCESSORIES



**our
knowledge,
your
sound**

SEIKAKU, the group behind ▲LTO

Since the beginning, the passion for music equipment combined with a long-standing experience in the same field drove SEIKAKU to conquer a prestigious place in the audio market; today we can consider the company as one of the worldwide leading group operating in the music and audio sector. The constant growing in terms of technology, organization and product range, transformed SEIKAKU in a big multinational company exporting and distributing products in more than 150 countries all over the world.

SEIKAKU TECHNICAL GROUP LIMITED can proudly count on 130.000 sm of production area, a well experienced and motivated team of 3.800 people, 8 no-stop production lines and a strong R&D department made of 160 professional engineers.

Recently some big changes in the internal organization and structure gave SEIKAKU group even new power in approaching the international markets. **QUALITY SERVICE:** the program is interesting the whole SEIKAKU production, with specific new certified procedures to check step by step the quality status of each item. Many people were newly trained to achieve a perfect flow of the new procedures. All SEIKAKU products will get considerable advantages from this wise investment, the concept of the Total Quality Control (TQC) has been implemented in all the life steps of each product: from development to production, from sales to assistance.

Today we can identify three big business units in SEIKAKU:

▲LTO: the professional branch producing and distributing music and audio equipments
SHOW: a complete range of products dedicated to the Public Address
OEM and ODM business: original products manufactured for many top brands in the world

MUSIC, PASSION, DESIGN

The worldwide well-known audio company was born in 2002 thanks to a group of people full of enthusiasm and passion for music and audio equipments.

The fast growth and the positive market reactions, supported by high technology and daily research, drove ▲LTO to reach a reference position in the international audio scene.

Today ▲LTO is proud to offer a complete product line up fitting with the needs of all types of music:

Speakers
Line Array
Amplifiers
Mixers
P.A. System
Processors
Wireless MIC. Systems

Recently the ▲LTO brand has been completely renewed and restyled in terms of management, global image (influencing the website, all catalogues, packaging and advertising materials), organization, marketing strategies and future products features. The increasing cooperation with Italian R&D laboratories, gives to ▲LTO products a real "plus-value", distinguishing immediately the "made in Italy" concept in all new designs and projects.

Also the new payoff, "Music, Passion, Design", is immediately giving the idea of the several projects brewing constantly inside ▲LTO Company.

With "MUSIC" we want to express clearly our field of action, creating innovative products to answer professionally to the growing needs of all musicians and people dealing every day with music.

"PASSION" is our constant inspiration, it's our philosophy in our daily jobs, it's our never-ending mission.

The introduction of the word "DESIGN" is a bridge to the future, it's our power, our constant attention to the details, the functions, the best use, the original look of our products.

INDEX

| | |
|----|-----------------------|
| 01 | SPEAKERS |
| 27 | LINE ARRAY |
| 33 | AMPLIFIERS |
| 41 | MIXERS |
| 63 | P.A. SYSTEM |
| 69 | PROCESSORS |
| 85 | WIRELESS MIC. SYSTEMS |
| 91 | ACCESSORIES |



SPEAKERS

▲LTO is proud to offer a large and complete range of speakers, fitting with the most different applications in any type of music. You can choose among active and passive speakers, stage monitors, studio monitors, multimedia speakers, plywood painted, plastic, wooden speaker cabinets...

No matter if you use them in a small club, in your Church, outdoor for a Disco Party, on a big stage, inside a Jazz Cafe, you will always find the right answer to your needs, combining technology, reliability, design and great performances.

Every ▲LTO Speaker means Music, Passion, Design.

MS SERIES

SR SERIES

PS SERIES

ELVIS SERIES

PAM SERIES

MICRO SERIES

M SERIES

MS SERIES

We're proud to introduce our first series of passive loudspeakers, sharing the same speakers technology that made our active speakers worldwide known as reference products. All this series MDF heavy-duty cabinets include our own high quality speakers. In order to adapt their smooth frequency response to each ambient and musical application, we designed the user-friendly Ms1 external controller with 16 modelling presets to allow you to achieve the best sonic performances.

Each pair of MS cabinets comes with a stereo MS1 Modeller. Because you are going to use them in a small Club for your duo gigs. Or in a bigger Club with the addition of one or more MS subwoofer. Or outdoor for a small Disco Party. Or on a big stage as side-fill monitors. Or in your local church on the Sunday. And you will use it for rock & roll but you will also use it for Jazz, for Blues and for acoustic instruments in general or you may want to dedicate them for vocals in particular. Yes, many different environments and many different styles of music and only **LTO** can give you the flexibility to fulfil all your taste and needs with the same pair of speaker enclosures. Just connect the MS1 in between the mixer and the power amplifier and play with the big knob on the front panel that will give you 16 different "speaker models" Yes, a speaker enclosure with the sound of 16 different ones.

MS8 8" 2-Way Passive Speaker Cabinet

- Power System: 150W RMS/300W peak (AES Standard)
- Maximum SPL @ 1m: 116dB continuous/119dB peak
- Frequency Response (–10dB): 67Hz-18kHz
- Sensitivity (1w @ 1m): 94.5dB SPL
- Impedance: 8Ω (nominal)
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 8" Woofer, 1.5" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Passive Crossover: 2.25kHz at 12dB/oct, with HF protection
- Input Connectors: Two Parallel SPK NL-4 for INPUT/THRU
- Enclosure Construction: MDF wood cabinet, glued and reinforced, black painted; one metal handle and rubber foot
- Mounting/Suspension: Two point for suspension, one standard pole-mount plus a optional bracket
- Dimensions (HxWxD): 493 x 304 x 293mm (19.4" x 12" x 11.5")
- Weight: 11.3kg (24.9 lb)



MH-8B (optional)

MS SERIES

MS12 12" 2-Way Passive Speaker Cabinet

- Power System: 200W RMS/400W peak (AES Standard)
- Maximum SPL @ 1m: 119dB nominal/122dB peak
- Frequency Response (–10dB): 65Hz-20kHz
- Impedance: 8Ω
- Crossover Frequency: 2kHz/12dB/Oct
- Protection: Electronic Dynamic Protection
- Low Frequency Device: 12" woofer/2" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 90° H x 60° V Elliptical Wave Guide
- Connectors: 2 x SPK4@Power Input/Link
- Cabinet: Trapezoidal Shape/Composite Wood/Metal Handle/Black Paint finishing
- Dimensions (HxWxD): 650 x 400 x 365mm (25.6" x 15.7" x 14.4")
- Weight: 19.9kg (43.9 lb)



MS15 15" 2-Way Passive Speaker Cabinet

- Power System: 300W RMS/600W peak (AES Standard)
- Maximum SPL @ 1m: 122dB nominal/124.5dB peak
- Frequency Response (–10dB): 55Hz-20kHz
- Impedance: 8Ω/4Ω
- Crossover Frequency: 2kHz/12dB/Oct
- Protection: Electronic Dynamic Protection
- Low Frequency Device: 15" woofer/2.5" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 90° H x 60° V Elliptical Wave Guide
- Connectors: 2 x SPK4@Power Input/Link
- Cabinet: Trapezoidal Shape/Composite Wood/Metal Handle/Black Paint finishing
- Dimensions (HxWxD): 750 x 450 x 420mm (29.5" x 17.7" x 16.5")
- Weight: 25kg (55.1 lb)



MS152 Dual 15" 2-Way Passive Speaker Cabinet

- Power System: 500W RMS/1000W peak (AES Standard)
- Maximum SPL @ 1m: 127dB nominal/130dB peak
- Frequency Response (–10dB): 55Hz-20kHz
- Impedance: 4Ω
- Crossover Frequency: 250Hz-2kHz/12dB/Oct
- Protection: Electronic Dynamic Protection
- Low Frequency Device: 2 x 15" woofer/2.5" voice coil
- High Frequency Device: 1" Neodymium Driver/1.35" voice coil
- Coverage (HxV): 90° H x 60° V Elliptical Wave Guide
- Connectors: 2 x SPK4@Power Input/Link
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Metal Handle/Black Paint finishing
- Dimensions (HxWxD): 1100 x 450 x 443mm (43.3" x 17.7" x 17.4")
- Weight: 35.7kg (78.7 lb)



MS SERIES

MS153 15" 3-Way Passive Speaker Cabinet

- Power System: 350W RMS/700W peak (AES Standard)
- Maximum SPL @ 1m: 123dB nominal/126dB peak
- Frequency Response (—10dB): 50Hz-20kHz
- Impedance: 8Ω/4Ω
- Crossover Frequency: 700Hz-3kHz/12dB/Oct
- Protection: Electronic Dynamic Protection
- Low Frequency Device: 15" woofer/2.5" voice coil
- Mid Frequency Device: 8" midrange/2" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 90° H × 60° V Dual Wave Guide
- Connectors: 2 × SPK4@Power Input/Link
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Metal Handle/Black Paint finishing
- Dimensions (HxWxD): 900 × 450 × 415mm (35.4" × 17.7" × 16.3")
- Weight: 30.7kg (67.6 lb)

**MS154** Dual 15" 3-Way Passive Speaker Cabinet

- Power System: 700W RMS/1400W peak (AES Standard)
- Maximum SPL @ 1m: 128dB nominal/131dB peak
- Frequency Response (—10dB): 45Hz-20kHz
- Impedance: 4Ω
- Crossover Frequency: 700Hz-3kHz/12dB/Oct
- Protection: Electronic Dynamic Protection
- Low Frequency Device: 2 × 15" woofer/2.5" voice coil
- Mid Frequency Device: 8" midrange/2" voice coil
- High Frequency Device: 1" Neodymium Driver/1.35" voice coil
- Coverage (HxV): 90° H × 45° V Dual Wave Guide
- Connectors: 2 × SPK4@Power Input/Link
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Metal Handle/Black Paint finishing
- Dimensions (HxWxD): 1250 × 450 × 443mm (49.2" × 17.7" × 17.4")
- Weight: 43.2kg (95.2 lb)



MS SERIES

MS12S 12" Passive Subwoofer Speaker Cabinet

NEW

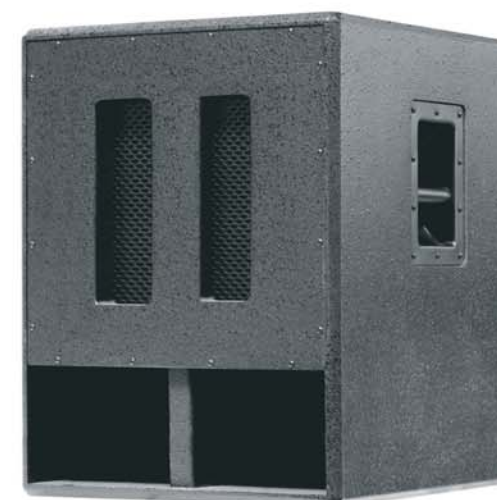
- Power System: 300W RMS/600W peak (AES Standard)
- Maximum SPL @ 1m (half-space): 118dB continuous/121dB peak
- Frequency Response (—10dB): 47Hz-160Hz
- Sensitivity (1w @ 1m): 96dB SPL
- Impedance: 4Ω (nominal)
- Transducer Low: 12" Woofer, 2.5" voice coil, with double ventilation
- Passive Crossover: 125Hz at 6dB/oct
- Enclosure Construction: 15mm Plywood cabinet, glued and reinforced, resistant black paint; metal grille, rubber foot
- Input Connectors: INPUT-SPK NL-4/OUTPUT-SPK NL-4, for Satellite Speaker
- Mounting: One metal standard pole-mount plus one metal handle
- Dimensions (HxWxD): 370 × 530 × 480mm (14.6" × 20.9" × 18.9")
- Weight: 18.1kg (39.9 lb)

**MS15S** 15" Passive Subwoofer Speaker Cabinet

- Power System: 400W RMS/800W peak (AES Standard)
- Maximum SPL @ 1m: 123dB SPL
- Frequency Response (—10dB): 45Hz-200Hz
- Impedance: 4Ω
- Crossover Frequency: 160Hz/6dB/oct
- Low Frequency Device: 15" woofer/3" voice coil
- Connectors: 2 × SPK4@Power Input/Output
- Cabinet: Multi-layer Plywood/Black painted/metal handle
- Dimensions (HxWxD): 600 × 485 × 600mm (23.6" × 19.1" × 23.6")
- Weight: 34.4kg (75.8 lb)

**MS18S** 18" Passive Subwoofer Speaker Cabinet

- Power System: 400W RMS/800W peak (AES Standard)
- Maximum SPL @ 1m: 124dB SPL
- Frequency Response (—10dB): 35Hz-200Hz
- Impedance: 4Ω
- Crossover Frequency: 160Hz/6dB/oct
- Low Frequency Device: 18" woofer/3" voice coil
- Connectors: 2 × SPK4@Power Input/Output
- Cabinet: Multi-layer Plywood/Black painted/metal handle
- Dimensions (HxWxD): 730 × 600 × 600mm (28.7" × 23.6" × 23.6")
- Weight: 47.7kg (105.2 lb)



MS SERIES

The MS powered speaker cabinets include some quite exclusive innovations such as switch mode power supply and digital power circuitry (in selected models) that make them the lightest powered cabinets of this kind ever made. The small and compact Stage Monitor models are presented with an ultra-dynamic 420 watt amplifier built in while the top model MS 154A includes a digital amplifier able to deliver 1500 watt of power. Both the Stage Monitors and the Full Range models includes another ▲LTO innovation: The MODELLER. Thanks to this circuitry User can select 16 different "sound models" for different taste and Applications. The ▲LTO Modeller offers sound presets especially thought for application with or without subwoofer, for Voice optimised applications, for Disco Music, for Jazz, for Rock & Roll among others.

MS8A 8" 2-Way Active Speaker Cabinet, 16 Preset Modlling Digital Power Amp. Module

NEW

- Power System: 150W Bi-Amp (120W-LOW/30W-HIGH) RMS
250W Bi-Amp (200W-LOW/50W-HIGH) in EIAJ Standard
- Frequency Response: MODELLER presets setting
- Maximum SPL @ 1m: 118dB continuous/121dB peak
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 8" Woofer, 1.5" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Active Crossover: 2kHz under analog processor
- Input Connector: LINE-COMBO/LINK-XLR-F Balanced (15kΩ)
- Input Sensitivity: Line 0dBu
- External Control: MODELLER with 16 Preset/Volume Control/Power ON with Green LED/Clip Limiter with Red LED/Ground Lift
- Power Supply: AC-220/240V or AC-110/120 Volt, with Switching Power Mode
- Enclosure Construction: MDF wood cabinet, glued and reinforced, black painted, one metal handle and rubber foot
- Mounting/Suspension: Two point for suspension, one metal pole-mount, optional bracket.
- Dimensions (HxWxD): 493 x 304 x 293mm (19.4" x 12" x 11.5")
- Weight: 12.1kg (26.7 lb)



MH-8B (optional)

MS12A 12" 2-Way Active Speaker Cabinet, Digital Power Amp. Module

NEW

- Power System: 420W Bi-Amp (350W-LOW/65W-HIGH) in EIAJ Standard
- Maximum SPL @ 1m: 122dB SPL
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Input Sensitivity: Line: +4dB
- Low Frequency Device: 12" woofer/2" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 90° H x 60° V Elliptical Wave Guide
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Composite wood/Metal Handle/Black Paint finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED Indicator/Ground Switch
- Dimensions (HxWxD): 650 x 400 x 365mm (25.6" x 15.7" x 14.4")
- Weight: 22kg (48.5 lb)



MS SERIES

MS15A 15" 2-Way Active Speaker Cabinet, Digital Power Amp. Module

- Power System: 420W Bi-Amp (350W-LOW/65W-HIGH) in EIAJ Standard
- Maximum SPL @ 1m: 123dB SPL
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Input Sensitivity: Line: +4dB
- Low Frequency Device: 15" woofer/2.5" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 90° H x 60° V Elliptical Wave Guide
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Composite wood/Metal Handle/Black Paint finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED Indicator/Ground Switch
- Dimensions (HxWxD): 750 x 450 x 420mm (29.5" x 17.7" x 16.5")
- Weight: 27kg (59.5 lb)



MS152A Dual 15" 2-Way Active Speaker Cabinet, Digital Power Amp. Module

- Power System: 420W Bi-Amp (350W-LOW/65W-HIGH) in EIAJ Standard
- Maximum SPL @ 1m: 126dB SPL
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Input Sensitivity: Line: +4dB
- Low Frequency Device: 2 x 15" woofer/2.5" voice coil
- High Frequency Device: 1" Neodymium Driver/1.35" voice coil
- Coverage (HxV): 90° H x 60° V Elliptical Wave Guide
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Metal Handle/Black Paint Finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED Indicator
- Dimensions (HxWxD): 1100 x 450 x 443mm (43.3" x 17.7" x 17.4")
- Weight: 37.8kg (83.3 lb)



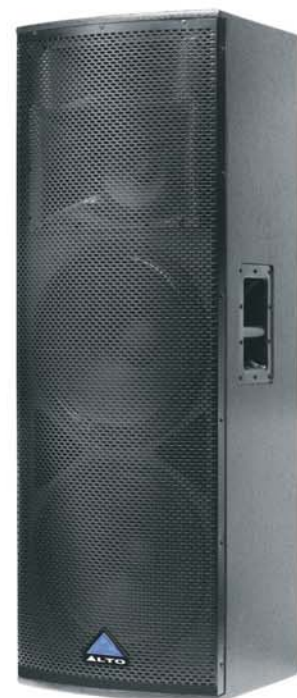
MS SERIES

MS153A 15" 3-Way Active Speaker Cabinet, Digital Power Amp. Module

- Power System: 1000W Bi-Amp (500W-LOW/500W-HIGH) in EIAJ Standard
- Maximum SPL @ 1m: 127dB SPL
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Input Impedance: 30k Ω Balanced/15k Ω Unbalanced
- Input Sensitivity: Line: +4dB
- Low Frequency Device: 15" woofer/2.5" voice coil
- Mid Frequency Device: 8" midrange/2" voice coil
- High Frequency Device: 1" Driver/1.35" voice coil
- Coverage (HxV): 90° H x 45° V Dual Wave Guide
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Metal Handle/Black Paint Finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED Indicator/Ground Switch
- Dimensions (HxWxD): 900 x 450 x 415mm (35.4" x 17.7" x 16.3")
- Weight: 32.8kg (72.2 lb)

**MS154A** Dual 15" 3-Way Active Speaker Cabinet, Digital Power Amp. Module

- Power System: 1500W Bi-Amp (750W-LOW/750W-HIGH) in EIAJ Standard
- Maximum SPL @ 1m: 131dB SPL
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Input Impedance: 30k Ω Balanced/15k Ω Unbalanced
- Input Sensitivity: Mic: -45dB Line: +4dB
- Low Frequency Device: 2 x 15" woofer/2.5" voice coil
- Mid Frequency Device: 8" midrange/2" voice coil
- High Frequency Device: 1" Driver/1.35" voice coil
- Coverage (HxV): 90° H x 45° V Dual Wave Guide
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Metal Handle/Black Paint Finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED Indicator/Ground Switch
- Dimensions (HxWxD): 1250 x 450 x 443mm (49.2" x 17.7" x 17.4")
- Weight: 45.3kg (99.9 lb)



MS SERIES

MS12SA 12" Active Subwoofer Speaker Cabinet, Digital Power Amp. Module

- Power System: 300W RMS/500W in EIAJ Standard
- Frequency Response (-10dB): 47Hz-125Hz
- Maximum SPL @ 1m (half-space): 120dB continuous/123dB peak
- Transducer Low: 12" Woofer, 2.5" voice coil, with double ventilation
- Active Crossover: HPF 80Hz under analog processor
- Input Connector: L-R Input (Combo/XLR-F)/L-R Link (2-XLR-M)/L-R Output (2-XLR-M) Balanced (15k Ω)
- Input Level: L-R Input Line 0dBu
- External Control: Volume Control/Phase Switch/HPF-80Hz By-Pass/POWER ON with Green LED/Clip Limiter with Red LED/Ground Lift
- Enclosure Construction: 15mm Plywood cabinet, glued and reinforced, resistant black paint; metal grille, rubber foot
- Mounting: One metal standard pole-mount plus one metal handle
- Dimensions (HxWxD): 370 x 530 x 480mm (14.6" x 20.9" x 18.9")
- Weight: 18.6kg (41lb)

**MS15SA** 15" Active Subwoofer Speaker Cabinet, Digital Power Amp. Module

- Power System: 600W RMS/1000W in EIAJ Standard
- Frequency Response (-10dB): 44Hz-125Hz under analog processor
- Maximum SPL @ 1m (half-space): 122dB continuous/125dB peak
- Transducer Low: 15" Woofer, 3" copper sandwich voice coil, with long excursion.
- Active Crossover: HPF 80Hz under analog processor
- Input Connectors: IN-LEFT/MONO (Combo) RIGHT (XLR-F)/OUT-LEFT/MONO-RIGHT (XLR-M)/LINK-LEFT/MONO-RIGHT (XLR-M) Balanced (15k Ω)
- Input Level: L-R Input Line at 0dBu
- Crossover Frequency: L-R OUTPUT with High Pass filter at 80Hz or FLAT for L-R Satellite
- External Controls: VOLUME Control/PHASE Switch/HPF-80Hz By-Pass/POWER ON with Green LED/Clip LIMITER with Red LED/GROUND Lift
- Enclosure Construction: 18mm Plywood cabinet, glued and reinforced, resistant black paint, metal grille, rubber foot, four optional wheel
- Mounting: One standard metal pole-mount, two metal handle
- Dimensions (HxWxD): 591 x 451 x 513mm (23.3" x 17.8" x 20.2")
- Weight: 27kg (59.5 lb)

**MS18SA** 18" Active Subwoofer Speaker Cabinet, Digital Power Amp. Module

- Power System: 600W RMS/1000W in EIAJ Standard
- Frequency Response (-10dB): 37Hz-125Hz under analog processor
- Maximum SPL @ 1m (half-space): 123dB continuous/126dB peak
- Transducer Low: 18" Woofer, 3" copper sandwich voice coil, with long excursion.
- Active Crossover: HPF 80Hz under analog processor
- Input Connectors: IN-LEFT/MONO (Combo) RIGHT (XLR-F)/OUT-LEFT/MONO-RIGHT (XLR-M)/LINK-LEFT/MONO-RIGHT (XLR-M) Balanced (15k Ω)
- Input Level: L-R Input Line at 0dBu
- Crossover Frequency: L-R OUTPUT with High Pass filter at 80Hz or FLAT for L-R Satellite
- External Controls: VOLUME Control/PHASE Switch/HPF-80Hz By-Pass/POWER ON with Green LED/Clip LIMITER with Red LED/GROUND Lift
- Enclosure Construction: 18mm Plywood cabinet, glued and reinforced, resistant black paint, metal grille, rubber foot, four optional wheel
- Mounting: One standard metal pole-mount, two metal handle
- Dimensions (HxWxD): 726 x 526 x 578mm (28.6" x 20.7" x 22.8")
- Weight: 35.1kg (77.4 lb)



MS SERIES

A quite innovative range of multi-purpose monitors complete the MS line. Available both in passive and active configurations the MS Monitors present some features that until now have been available only in models costing 5 times the price. They make use of reliable yet lightweight coax transducers for a perfect coherent response. They include a compression driver with neodymium magnet assembly. The size is particularly contained to make these Monitors at home with the small stages available in local pubs and bars. Despite their dimensions the MS Monitors deliver an impressive SPL thanks to the built in 420 watt switch-mode power amplifier (MS10A and MS12A). And since we wanted to make them truly "multipurpose" we have included a 16 position speaker modeller with sound models particularly thought for the use on stage and for many other applications.



MS10MA

MS8MA

MS12MA

MS8MA 8" 2-Way Bi-Amp Modelling Speaker Monitors

- Active System Type: Full Range with MODELLER
- Output Power: 100W (RMS)
- Peak Power: 150W (EIAJ)
- Maximum SPL @ 1m: 114dB SPL nominal/116dB peak
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Low Frequency Device: 8" Dual Cone/1.5" voice coil
- Coverage (HxV): 70° H x 70° V
- Input Sensitivity: Line +4dB
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Handle/Black Paint finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED indicator/Ground Switch
- Dimensions (HxWxD): 213 x 300 x 356mm (8.27" x 11.8" x 14")
- Weight: 17.7kg (17 lb)

MS10MA 10" 2-Way Bi-Amp Modelling Speaker Monitors

- Active System Type: 2-way Bi-Amp. with MODELLER
- Low Output Power: 350W (EIAJ)
- High Output Power: 65W (EIAJ)
- Maximum SPL @ 1m: 120dB SPL calculated EIAJ
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Low Frequency Device: 10" Coax/2" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 70° H x 70° V Spherical Horn
- Input Sensitivity: Line +4dB
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Handle/Black Paint finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED indicator/Ground Switch
- Dimensions (HxWxD): 273 x 362 x 454mm (10.7" x 14.3" x 17.9")
- Weight: 10.3kg (22.8 lb)

MS12MA 12" 2-Way Bi-Amp Modelling Speaker Monitors

- Active System Type: 2-way Bi-Amp. with MODELLER
- Low Output Power: 350W (EIAJ)
- High Output Power: 65W (EIAJ)
- Maximum SPL @ 1m: 121dB SPL calculated EIAJ
- Frequency Response: MODELLER presets setting
- Protection Low-High: Analog Limiter
- Low Frequency Device: 12" Coax/2" voice coil
- High Frequency Device: 1" Neodymium Driver/1" voice coil
- Coverage (HxV): 70° H x 70° V Spherical Horn
- Input Sensitivity: Line +4dB
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Multi-layer Plywood/Handle/Black Paint finishing
- External Control: MODELLER with 16 Preset/Line Volume/Clipping LED indicator/Ground Switch
- Dimensions (HxWxD): 313 x 393 x 513mm (12.3" x 15.5" x 20.2")
- Weight: 11.9kg (26.1 lb)

SR SERIES

Our top-end speaker enclosures featuring premium quality transducers, painted plywood and fly points. The SR enclosures include a powerful 40 Bit processor, the same as that equips our renewed MAXIDRIVE processors. This processor includes noise-gate, hum cancel, multiband dynamic processor, every order and every type of Xover and 20 parametric filters. We have also included a 16-position selector with different sound presets so that you can taste the flexibility of our 40 bit digital processor.

SR active series common features:

- Inputs: Mic/Line (Combo connector)
- Controls: Mic Volume, Main Volume, Alto
- 16-preset digital processor Ground Switch
- Protections: DSP limiter/compressor

SR400A 2-Way Powered Speaker with DSP Module, 12" Woofer, 1.35" Compression Driver

- Low-RMS Output Power: 164W @8Ω, 251W @4Ω Class H
- High-RMS Output Power: 164W @8Ω, 251W @4Ω Class AB
- System Peak Power: 800W Peak
- Maximum SPL @ 1m: 122dB SPL calculated
- Frequency Response (-10dB): 55Hz-20kHz
- Impedance Low-High: Low 4Ω-High 8Ω
- Crossover Frequency: 2150Hz-DSP Processor
- Protection Low-High: DSP Lim/Comp. each section
- Low Frequency Device: 12"/318mm-2.5" voice coil
- High Frequency Device: 1" Driver/1.35" voice coil
- Coverage (HxV): 90° H x 60° V
- Input Impedance: 30kΩ Balanced/15Ω Unbalanced
- Connectors: Input with Combo/Link with XLR
- Plywood Cabinet: 18mm Multilayer Plywood
- External Control: Line Volume-Encoder with 16 preset-Clipping LED indicator-Ground Switch
- Dimensions (HxWxD): 645 x 395 x 385mm (25.4" x 15.6" x 15.2")
- Weight: 27.1kg (59.7 lb)



SR500A 2-Way Powered Speaker with DSP Module, 15" Woofer, 1.35" Compression Driver

- Low-RMS Output Power: 232W @8Ω, 382W @4Ω Class H
- High-RMS Output Power: 232W @8Ω, 382W @4Ω Class AB
- System Peak Power: 1000W Peak
- Maximum SPL @ 1m: 124dB SPL calculated
- Frequency Response (-10dB): 50Hz-20kHz
- Impedance Low-High: Low 4Ω-High 8Ω
- Crossover Frequency: 2000Hz-DSP Processor
- Protection Low-High: DSP Lim/Comp. each section
- Low Frequency Device: 15"/385mm-3" voice coil
- High Frequency Device: 1" Driver/3" voice coil
- Coverage (HxV): 90° H x 60° V
- Input Impedance: 30kΩ Balanced/15Ω Unbalanced
- Connectors: Input with Combo/Link with XLR
- Plywood Cabinet: 18mm Multilayer Plywood
- External Control: Line Volume-Encoder with 16 preset-Clipping LED indicator-Ground Switch
- Dimensions (HxWxD): 680 x 455 x 440mm (26.8" x 17.9" x 17.3")
- Weight: 33.5kg (73.9 lb)



SR500SA Powered 15" Long Excursion Subwoofer with DSP Processor

- Low-RMS Output Power: 233W @8Ω, 378W @4Ω Class H
- System Peak Power: 1000W Peak
- Maximum SPL @ 1m: 124dB SPL calculated
- Frequency Response (-10dB): 45Hz-20kHz
- Impedance Low-High: Low 4Ω
- Crossover Frequency: 16 selectable Crossover
- Protection Low-High: DSP Lim/Comp.
- Low Frequency Device: 15"/385mm-3" voice coil
- Input Impedance: 30kΩ Balanced/15Ω Unbalanced
- Connectors: Input/Output with XLR
- Plywood Cabinet: 18mm Multilayer Plywood
- Hardware Suspension: No suspension point
- External Control: Line Volume-Encoder with 16 preset-Clipping LED indicator-Ground Switch
- Dimensions (HxWxD): 598 x 500 x 600mm (23.5" x 19.7" x 23.6")
- Weight: 42.6kg (93.9 lb)



PS SERIES

▲LTO introduce the NEW EVOLution of PS LITEPACK series. It obtains 10", 12" and 15" 2-way powered speaker models with 24bit DSP built in. Look at the specification below and see the amazing flexibility offered by our DSP to reinforce higher performance and definition. These speakers adopt newly developed drivers and woofer with Neodymium, as well as new CLASS D amplification, thus achieving a light-weight and more impressive acoustics.

PS 2 LITEPACK EVO 10" Neodymium Woofer 2-Way Active Speaker With DSP

- Power System: 350W Bi-Amp (300W-LOW/50W-HIGH) RMS
400W Bi-Amp (350W-LOW/65W-HIGH) in EIAJ Standard
- Frequency Response (–10dB): 55Hz-20kHz
- Maximum SPL @ 1m: 118dB continuous/121dB peak
- Coverage (HxV): 90° × 45° nominal
- Transducer Low: 10" Neodymium Woofer, 2.5" voice coil
- Transducer High: 1" Driver/1.35" Voice coil
- Electronic Protections: Thermal/Convection-Fan/Overload/Dual Digital Lim./Compressor
- DSP Processor: Custom DSP at 24bit/48kHz
- Crossover Frequency: At 2kHz with 24dB filter slope, Linkwitz-Riley type
- Input Connector: LINE-COMBO/LINK-XLR
- Enclosure Construction: Trapezoidal shape/Floor Monitor facility/Polypropylene Plastic Cabinet
- Dimensions (HxWxD): 595 × 320 × 334.5mm (23.4" × 12.6" × 13.2")
- Weight: 12.5kg (27.6 lb)



PS 4 LITEPACK EVO 12" Neodymium Woofer 2-Way Active Speaker With DSP

- Power System: 350W Bi-Amp (300W-LOW/50W-HIGH) RMS
400W Bi-Amp (350W-LOW/65W-HIGH) in EIAJ Standard
- Frequency Response (–10dB): 47Hz-20kHz
- Maximum SPL @ 1m: 123dB continuous/126dB peak
- Coverage (HxV): 90° × 45° nominal
- Transducer Low: 12" Neodymium Woofer, 2.5" voice coil
- Transducer High: 1" Driver/1.35" Voice coil
- Electronic Protections: Thermal/Convection-Fan/Overload/Dual Digital Lim./Compressor
- DSP Processor: Custom DSP at 24bit/48kHz
- Crossover Frequency: At 2kHz with 24dB filter slope, Linkwitz-Riley type
- Input Connector: LINE-COMBO/LINK-XLR
- Enclosure Construction: Trapezoidal shape/Floor Monitor facility/Polypropylene Plastic Cabinet
- Dimensions (HxWxD): 660 × 396 × 384mm (26" × 15.6" × 15.1")
- Weight: 17.2kg (37.9 lb)



PS 5 LITEPACK EVO 15" Neodymium Woofer 2-Way Active Speaker With DSP

- Power System: 350W Bi-Amp (300W-LOW/50W-HIGH) RMS
400W Bi-Amp (350W-LOW/65W-HIGH) in EIAJ Standard
- Frequency Response (–10dB): 45Hz-20kHz
- Maximum SPL @ 1m: 123dB continuous/126dB peak
- Coverage (HxV): 90° × 45° nominal
- Transducer Low: 15" Neodymium Woofer, 2.5" voice coil
- Transducer High: 1" Driver/1.35" Voice coil
- Electronic Protections: Thermal/Convection-Fan/Overload/Dual Digital Lim./Compressor
- DSP Processor: Custom DSP at 24bit/48kHz
- Crossover Frequency: At 2kHz with 24dB filter slope, Linkwitz-Riley type
- Input Connector: LINE-COMBO/LINK-XLR
- Enclosure Construction: Trapezoidal shape/Floor Monitor facility/Polypropylene Plastic Cabinet
- Dimensions (HxWxD): 660 × 396 × 415mm (26" × 15.6" × 16.3")
- Weight: 19.1kg (42.1 lb)



PS SERIES

PS series presents complete line of PA cabinets made of strong and durable polypropylene. With models from 8" to 15" and real compression drivers across the line, ▲LTO PS range really offers options for a large numbers of Users from low power conference systems to large Live performances. Great attention has been put in details: All models feature trapezoid shape to facilitate the use as floor monitor and several fly points on bottom, top, side and back are provided for any possible fly configuration.

Surprisingly, ▲LTO also introduce 12" and 15" 2 way models with a sophisticated 40 bit DSP built in. Look at the block schematics below and see the amazing flexibility offered by our DSP when compared to a traditional Xover circuit: Our PS4HA and PS5HA models include digital hum cancel, noise gate, multiband dynamic processor, 6 to 48dB Xover, speaker alignment and 20 bands of parametric equalizer (10 for woofer and 10 for tweeter)

The amazing flexibility of our DSP even allowed us to create 3 different preset sound in our top model PS5HA: LIVE with key frequencies emphasized for the best sound reproduction in a live situation. STUDIO, with an astonishing flat frequency response. SUBWOOFER mode, to be used when the unit is connected to an external subwoofer.

PS 4LA EVO 2-Way 12" Active Speaker Plastic Cabinets

- Power System: 250W Bi-Amp (200W-LOW/50W-HIGH) RMS
300W Bi-Amp (235W-LOW/65W-HIGH) in EIAJ Standard
- Dimensions (HxWxD): 660 × 396 × 384mm (26" × 15.6" × 15.1")
- Weight: 19.4kg (42.8 lb)
- Frequency Response (–10dB): 55Hz-18kHz
- Maximum SPL @ 1m: 116dB continuous/119dB peak
- Coverage (HxV): 90° × 45° nominal
- Transducer Low: 12" Woofer, 2" voice coil
- Transducer High: 1" Neodymium Driver with 1" voice coil
- Electronic Protections: Thermal Protect/Short Circuit/DC voltage/Soft Start/Analog Limiter/Comp.
- Input Level: Line +4dBu
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Input Connector: LINE with COMBO/LINK with XLR
- External Control: Volume Control/Power ON with Green LED/Clip Limiter with Red LED/Ground Lift
- Power Supply: AC-220/240V or AC-110/120 Volt
- Enclosure Construction: Trapezoidal shape/Floor Monitor facility/Polypropylene Plastic Cabinet
- Mounting: Integrated Std. pole-mount/two handle/three eyebolt point



PS 5LA EVO 2-Way 15" Active Speaker Plastic Cabinets

- Power System: 250W Bi-Amp (200W-LOW/50W-HIGH) RMS
300W Bi-Amp (235W-LOW/65W-HIGH) in EIAJ Standard
- Dimensions (HxWxD): 660 × 396 × 415mm (26" × 15.6" × 16.3")
- Weight: 22kg (48.6 lb)
- Frequency Response (–10dB): 50Hz-18kHz
- Maximum SPL @ 1m: 118dB continuous/121dB peak
- Coverage (HxV): 90° × 45° nominal
- Transducer Low: 15" Woofer, 2" voice coil
- Transducer High: 1" Neodymium Driver with 1" voice coil
- Electronic Protections: Thermal Protect/Short Circuit/DC voltage/Soft Start/Analog Limiter/Comp.
- Input Level: Line +4dBu
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Input Connector: LINE with COMBO/LINK with XLR
- External Control: Volume Control/Power ON with Green LED/Clip Limiter with Red LED/Ground Lift
- Power Supply: AC-220/240V or AC-110/120 Volt
- Enclosure Construction: Trapezoidal shape/Floor Monitor facility/Polypropylene Plastic Cabinet
- Mounting: Integrated Std. pole-mount/two handle/three eyebolt point



PS SERIES

PS 4HA 2-Way 12" Vented Active Speaker Cabinets

- Power System Type: Bi-Amp. with DSP processor
- Low Output Power: 300W RMS Class H
- High Output Power: 100W RMS Class AB
- Maximum SPL @ 1m: 121.5dB SPL
- Frequency Response: 50Hz/20kHz \pm 10dB
- Impedance Low-High: Low 4 Ω -High 8 Ω
- Crossover Frequency: 2000Hz-DSP processor
- Protection Low-High: DSP Lim./Comp. each section
- Low Frequency: 12"/318mm-2.5" voice coil
- High Frequency: 1.35" compression driver
- Horn Coverage (H \times V): 90° H \times 45° V
- Input Sensitivity: Line +4dB/1.23V
- Input Impedance: 30k Ω Balanced/15k Ω Unbalanced
- Connectors: Input with Combo/Link with XLR
- Plastic Reinforced Cabinet: Trapezoidal & Monitor shape
- Hardware Suspension: Six suspension points
- Amplifier Protections: Soft Start-Short Circuit-DC voltage-Thermal Protection
- External Control: Mic/Line Volume-Clip-Ground switch
- Power Supply: 230Volt/115Volt-50/60Hz
- Dimensions (H \times W \times D): 660 \times 396 \times 384mm (26" \times 15.6" \times 15.1")
- Weight: 23.4kg (51.5 lb)



PS SERIES

PS 4L/PS 4H 2-Way 12" Vented Passive Speaker Cabinets

- System Type: 2-way vented box
- High Frequency Protection: Electronic Dynamic Protection
- Dimensions (H \times W \times D): 660 \times 396 \times 384mm (26" \times 15.6" \times 15.1")

| | | |
|--------------------------|---|---|
| Specifications: | PS 4L | PS 4H |
| • Continuous Power: | 200W AES Standard | 250W AES Standard |
| • Peak Power Rating: | 400W Peak | 500W Peak |
| • Sensitivity at 1W, 1m: | 96dB SPL | 97dB SPL |
| • Maximum SPL @ 1m: | 119dB SPL calculated | 121dB SPL calculated |
| • Frequency Response: | 60Hz/20kHz \pm 10dB | 55Hz/20kHz \pm 10dB |
| • Impedance: | 8 Ω (Nominal) | 4 Ω (Nominal) |
| • Crossover Frequency: | 2450Hz at 12dB/Oct | 2000Hz at 12/24dB/Oct |
| • Lower Frequency: | 12"/305mm-2" voice coil | 12"/318mm-2.5" voice coil |
| • High Frequency: | 1" compression driver, 1" voice coil | 1.35" compression driver, 1.35" voice coil |
| • Weight: | 17.4kg (38.3 lb) | 19.2kg (42.3 lb) |



PS 5HA 2-Way 15" Vented Active Speaker Cabinets

- Power System Type: Bi-Amp. with DSP processor
- Total Output Power: 284W RMS @8 Ω ; 453W RMS @4 Ω
- Low Output Power: 232W RMS @8 Ω Class H; 364W RMS @4 Ω Class H
- High Output Power: 52W RMS @4 Ω Class AB; 89W RMS @4 Ω Class AB
- Maximum SPL @ 1m: 124dB SPL
- Frequency Response: 50Hz/20kHz \pm 10dB
- Impedance Low-High: Low 4 Ω -High 8 Ω
- Crossover Frequency: 2000Hz-DSP processor
- Protection Low-High: DSP Lim./Comp. each section
- Digital Presets: LIVE-SUBWOOFER-STUDIO
- Lower Frequency: 15"/385mm-3" voice coil
- High Frequency: 1" compression driver, 1.75" voice coil
- Horn Coverage (H \times V): 90° H \times 45° V
- Input Sensitivity: Line +4dB/1.23V
- Input Impedance: 30k Ω Balanced/15k Ω Unbalanced
- Connectors: Input with Jack/Link with XLR
- Plastic Reinforced Cabinet: Trapezoidal & Monitor shape
- Hardware Suspension: Six suspension points
- Amplifier Protections: Soft Start-Short Circuit-DC voltage-Thermal Protection
- External Control: Mic/Line Volume-Preset switch-LED Clip-Ground switch
- Power Supply: 230Volt/115Volt-50/60Hz
- Dimensions (H \times W \times D): 660 \times 396 \times 415mm (26" \times 15.6" \times 16.3")
- Weight: 29.3kg (64.6 lb)



PS 5L/PS 5H 2-Way 15" Vented Passive Speaker Cabinets

- System Type: 2-way vented box
- Sensitivity at 1W, 1m: 98dB SPL
- Frequency Response: 55Hz/20kHz \pm 10dB
- High Frequency Protection: Electronic Dynamic Protection
- Dimensions (H \times W \times D): 660 \times 396 \times 415mm (26" \times 15.6" \times 16.3")

| | | |
|------------------------|---|--|
| Specifications: | PS 5L | PS 5H |
| • Continuous Power: | 250W AES Standard | 400W AES Standard |
| • Peak Power Rating: | 500W Peak | 800W Peak |
| • Maximum SPL @ 1m: | 122dB SPL | 123dB SPL |
| • Impedance: | 8 Ω (Nominal) | 4 Ω or 8 Ω (Nominal) |
| • Crossover Frequency: | 2200Hz at 12dB/Oct | 2000Hz at 12dB/Oct |
| • Lower Frequency: | 15"/385mm-2.5" voice coil | 15"/385mm-2.5" voice coil |
| • High Frequency: | 1" compression driver, 1" voice coil | 1" compression driver, 1.75" voice coil |
| • Weight: | 19.6kg (43.1 lb) | 24.4kg (53.8 lb) |



PS SERIES

PS 2 2-Way 10" Vented Passive Speaker Cabinet

- Power System: 120 RMS/240W Peak (AES standard)
- Sensitivity at 1W, 1m: 96dB SPL
- Maximum SPL @ 1m: 117dB SPL
- Impedance: 8Ω (Nominal)
- Peak Power Rating: 240W PEAK
- Frequency Response: 60Hz/20kHz \pm 10dB
- Crossover Frequency: 2450Hz at 12dB/Oct
- Lower Frequency: 10"/266mm-1.5" voice coil
- High Frequency: 1" compression driver, 1" voice coil
- High Frequency Protection: Electronic Dynamic Protection
- Dimensions (HxWxD): 595 × 320 × 334.5mm (23.4" × 12.6" × 13.2")
- Weight: 9.6kg (21.2 lb)

**PS 2A** 2-Way 10" Vented Active Speaker Cabinet

- Power System Type: Bi-Amp with analogue processor
- Low Output Power: 150W (RMS) Bridge class AB
- High Output Power: 50W (RMS) Bridge class AB
- Maximum SPL @ 1m: 118dB SPL
- Frequency Response: 55Hz/20kHz \pm 10dB
- Impedance: Low 8Ω-High 8Ω
- Protection Low-High: Limiter/Compressor plus PTC
- Crossover Frequency: Complex EQ processor
- Lower Frequency: 10"/266mm-1.5" voice coil
- High Frequency: 1" compression driver, 1" voice coil
- Horn Coverage (HxV): 90°H × 45°V
- Input Sensitivity: line +4dB/1.23V
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Jack/Link with XLR
- Plastic Reinforced Cabinet: Trapezoidal & Monitor shape
- Dimensions (HxWxD): 595 × 320 × 334.5mm (23.4" × 12.6" × 13.2")
- Weight: 12.5kg (27.6 lb)



PS SERIES

PS 3A 2-Way 12" Vented Active Speaker Cabinet

- Power System Type: Bi-Amp with analogue processor
- Low Output Power: 70W (RMS) Class AB
- High Output Power: 50W (RMS) Class AB
- Maximum SPL @ 1m: 115.5dB SPL
- Frequency Response: 60Hz/20kHz \pm 10dB
- Impedance: Low 8Ω-High 8Ω
- Protection Low-High: Limiter/Compressor plus PTC
- Crossover Frequency: Complex EQ processor
- Lower Frequency: 12"/318mm-2" voice coil
- High Frequency: 1" compression driver, 1" voice coil
- Horn Coverage (HxV): 90°H × 45°V
- Input Sensitivity: line +4dB/1.23V
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Jack/Link with XLR
- Plastic Reinforced Cabinet: Trapezoidal & Monitor shape
- Dimensions (HxWxD): 660 × 396 × 384mm (26" × 16" × 15.1")
- Weight: 18.4kg (40.6 lb)

**PS 2TW** 2-Way 8" Vented Passive Speaker Cabinet

- Power System: 150 RMS/300W Peak (AES standard)
- Sensitivity at 1W, 1m: 96dB SPL
- Maximum SPL @ 1m: 117dB SPL
- Impedance: 8Ω (Nominal)
- Peak Power Rating: 300W PEAK
- Frequency Response: 70Hz/20kHz \pm 10dB
- Crossover Frequency: 3000Hz at 12dB/Oct
- Lower Frequency: 8"/208mm-1.5" voice coil
- High Frequency: 1" compression driver, 1" voice coil
- High Frequency Protection: Electronic Dynamic Protection
- Dimensions (HxWxD): 595 × 320 × 334.5mm (23.4" × 12.6" × 13.2")
- Weight: 13.7kg (30.2 lb)

**PS 2TWA** 2-Way 8" Vented Active Speaker Cabinet, 150W

- Power System Type: Bi-Amp with analogue processor
- Low Output Power: 150W (EIAJ)/108(RMS) Bridge Class AB
- High Output Power: 60W (EIAJ)/45(RMS) Class AB
- Maximum SPL @ 1m: 118dB SPL
- Frequency Response: 65Hz/20kHz \pm 10dB
- Impedance: Low 8Ω-High 8Ω
- Protection Low-High: Limiter/Compressor plus PTC
- Crossover Frequency: Complex EQ processor
- Lower Frequency: 8"/208mm-1.5" voice coil
- High Frequency: 1" compression driver, 1" voice coil
- Horn Coverage (HxV): 90°H × 45°V
- Input Sensitivity: line +4dB/1.23V
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Jack/Link with XLR
- Plastic Reinforced Cabinet: Trapezoidal & Monitor shape
- Dimensions (HxWxD): 595 × 320 × 334.5mm (23.4" × 12.6" × 13.2")
- Weight: 13.8kg (30.4 lb)

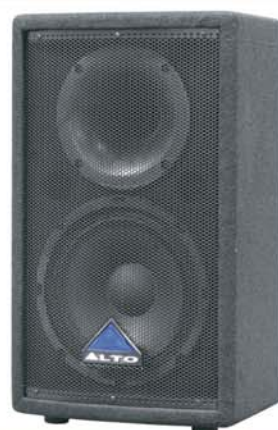


ELVIS SERIES

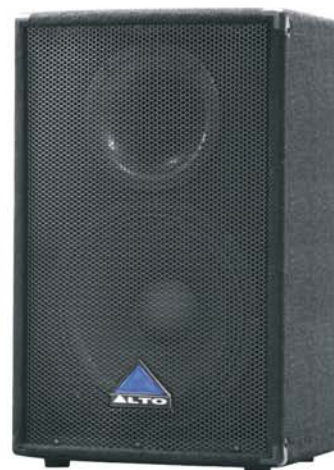
An ▲LTO Classic that is still highly demanded by Users worldwide. Amazing in their quality to price ratio the Elvis line ranges from a small 2 way-10" to the high SPL Elvis 15 XL with dual 15" woofer. All models are available both in active and passive configuration. The active Elvis include a microphone input, a three-band equalizer and a number of electronic protections to save the life of the transducers. The ELVIS 15.2XLA also include a 420-watt switch-mode amplifier that weights only about 1 Kg making the transportation of the enclosure quite easy. In fact, the total weight of this model is almost the same of the passive version!

ELVIS 10 10" 2-Way Passive Speaker Cabinet, 1" Compression Driver

- Frequency Response: 65Hz/20kHz +/-6dB
- Impedance: 8Ω (Nominal)
- Power Handling: 120W continuous/240W peak
- Sensitivity (1W/1m): 96dB/116.5dB
- Connectors: 2 x Speakon Input/Link
- Dimensions (HxWxD): 580 x 345 x 305mm (22.8" x 13.6" x 12")
- Weight: 14.2kg (31.2 lb)

**ELVIS 12 MK II** 12" 2-Way Passive Speaker Cabinet

- Power System: 250W RMS/500W peak (AES Standard)
- Frequency Response (-10dB): 57Hz-18kHz
- Sensitivity (1w @ 1mt): 96.5dB SPL
- Impedance: 8Ω (nominal)
- Maximum SPL @ 1m: 120dB continuous/123dB peak
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 12" Woofer, 2" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Passive Crossover: 2.25kHz at 12dB/oct, with HF protection
- Enclosure Construction: Chipboard cabinet, glued and reinforced, covered in black carpet; black metal corner and rubber foot
- Input Connectors: Two Parallel SPK NL-4 for INPUT/THRU
- Mounting: One standard pole-mount plus one plastic handle
- Dimensions (HxWxD): 603 x 394 x 355mm (23.7" x 15.5" x 14")
- Weight: 16.9kg (37.3 lb)

**ELVIS 15 MK II** 15" 2-Way Passive Speaker Cabinet

- Power System: 300W RMS/600W peak (AES Standard)
- Frequency Response (-10dB): 47Hz-18kHz
- Sensitivity (1w @ 1mt): 97dB SPL
- Impedance: 8Ω (nominal)
- Maximum SPL @ 1m: 121dB continuous/124dB peak
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 15" Woofer, 2.5" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Passive Crossover: 2kHz at 12dB/oct, with HF protection
- Enclosure Construction: Chipboard cabinet, glued and reinforced, covered in black carpet; black metal corner and rubber foot
- Input Connectors: Two Parallel SPK NL-4 for INPUT/THRU
- Mounting: One standard pole-mount plus one plastic handle
- Dimensions (HxWxD): 670 x 438 x 375mm (26.4" x 17.2" x 14.8")
- Weight: 20.6kg (45.4 lb)



ELVIS SERIES

ELVIS 12M MK II 12" 2-Way Passive Monitor Speaker Cabinet

NEW

- Power System: 250W RMS/500W peak (AES Standard)
- Frequency Response (-10dB): 64Hz-18kHz
- Sensitivity (1w @ 1mt): 96.5dB SPL
- Impedance: 8Ω (nominal)
- Maximum SPL @ 1m: 120dB continuous/123dB Peak
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 12" Woofer, 2" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Passive Crossover: 2.25kHz at 12dB/oct, with HF protection
- Enclosure Construction: Chipboard cabinet, glued and reinforced, covered in black carpet; black metal corner and rubber foot
- Input Connectors: Two Parallel SPK NL-4 for INPUT/THRU
- Mounting: One standard pole-mount plus one plastic handle
- Dimensions (HxWxD): 603 x 390 x 380mm (23.7" x 15.4" x 15")
- Weight: 15.5kg (34.2 lb)

**ELVIS 15M** 15" 2-Way Passive Monitor Speaker Cabinet, 1" Compression Driver

- Power System: 250W RMS/500W peak
- Frequency Response: 55Hz/20kHz +/-6dB
- Impedance: 8Ω (Nominal)
- Sensitivity: Max SPL: 98dB (1W/1m)-122dB
- Connectors: 2 x Speakon Input/Link
- Dimensions (HxWxD): 700 x 455 x 370mm (27.6" x 17.9" x 14.6")
- Weight: 22.8kg (50.2 lb)

**ELVIS 12S** 12" Passive Subwoofer Speaker Cabinet

- Power System: 200W RMS/400W peak
- Frequency Response: 50Hz-160Hz +/-6dB
- Impedance: 4Ω (Nominal)
- Sensitivity: Max SPL: 97dB (1W/1m)-119dB
- Connectors: 2 x Speakon Input/Link
- Dimensions (HxWxD): 495 x 400 x 455mm (19.5" x 15.7" x 17.9")
- Weight: 23.2kg (51.1 lb)

**ELVIS 15S MK II** 15" Passive Subwoofer Speaker Cabinet

NEW

- Power System: 300W RMS/600W peak (AES Standard)
- Frequency Response (-10dB): 42Hz-160Hz
- Sensitivity (1w @ 1mt half space): 97dB SPL
- Impedance: 4Ω (nominal)
- Maximum SPL @ 1m (half space): 121dB continuous/124dB Peak
- Transducer Low: 15" Woofer, 2.5" voice coil, with double ventilation
- Passive Crossover: 125Hz at 6dB/oct
- Enclosure Construction: Chipboard cabinet, glued and reinforced, covered in black carpet; black metal corner and rubber foot
- Input Connectors: INPUT-SPK NL-4/OUTPUT-SPK NL-4, for Satellite Speaker
- Mounting: One metal standard pole-mount plus two plastic handle
- Dimensions (HxWxD): 558 x 438 x 506.7mm (22" x 17.2" x 20")
- Weight: 25kg (55.1 lb)



ELVIS SERIES

ELVIS 15.2XL

3-Way Vented cabinet, 15" Woofer x 2, 1" Compression Driver, Passive Cabinet

- Frequency Response: 55Hz-20kHz +/-6dB
- Impedance: 4Ω (Nominal)
- Crossover Modes: 3-way passive
- Crossover Frequency: 2200Hz 12dB/oct
- Power System: 500W RMS/1000W peak (AES standard)
- Maximum SPL: 128dB SPL Peak
- System Sensitivity (1W/1m): 101dB/122dB Max
- Input Connector: Four pole connector SPK4
- Dimensions (HxWxD): 1114 x 452 x 449mm (43.9" x 17.8" x 17.7")
- Weight: 42.6kg (93.9 lb)



ELVIS 15.2XLA

2-Way Vented cabinet, 15" Woofer x 2, 1" Compression Driver, Active Cabinet

- Active System Type: 2-way Bi-Amp
- Low Output Power: 350W (EIAJ)
- High Output Power: 65W (EIAJ)
- Maximum SPL @ 1m: 122dB SPL calculated EIAJ
- Frequency Response (-10dB): 55Hz-20kHz
- 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 (HxV): 80°H x 80°V Spherical Wave Guide
- Input Sensitivity: Line +4dB
- Input Impedance: 30kΩ Balanced/15kΩ Unbalanced
- Connectors: Input with Combo/Link with XLR
- Cabinet: Trapezoidal Shape/Particle Board/Plastic Handle/Gray Carpet finishing
- External Control: Line Volume/Clipping LED indicator/Ground Switch
- Dimensions (HxWxD): 1114 x 452 x 449mm (43.9" x 17.8" x 17.7")
- Weight: 44.4kg (97.9 lb)



ELVIS 10A

2-Way Active Speaker System, 10" Woofer, 1" Compression Driver

- Power System: 120W RMS
150W EIAJ
- Inputs: Mic/Line (1/4"/XLR Combo connector)
- Controls: Mic Gain, Main Volume, 3-band EQ (+/-6dB), Ground Switch
- Frequency Response: 65Hz-20kHz +/-6dB
- Max SPL at 1m.: 117.5dB
- Dimensions (HxWxD): 580 x 345 x 305mm (22.8" x 13.6" x 12")
- Weight: 18.2kg (40.1 lb)



ELVIS SERIES

ELVIS 12A MK II

2-Way 12" Active Speaker Cabinet

NEW

- Power System: 235W Bi-Amp (200W-LOW/35W-HIGH) RMS
300W Bi-Amp (235W-LOW/65W-HIGH) in EIAJ Standard
- Frequency Response (-10dB): 57Hz-18kHz, FLAT/47Hz-20kHz, EQ. LOUDNESS
- Maximum SPL @ 1m: 121dB continuous/124dB peak
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 12" Woofer, 2" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Active Crossover: 2kHz under analog processor, FLAT or EQ. LOUDNESS
- Input Connectors: LINE-COMBO/LINK-XLR-M Balanced (15kΩ)
- Input Level: Line 0dBu
- External Control: Volume Control/Flat-Eq.Loudness/Power ON with Green LED/
Clip Limiter with Red LED/Ground Lift
- Power Supply: 120-240 Volt - Switching Power Mode
- Enclosure Construction: Chipboard cabinet, glued and reinforced,
covered in black carpet; black metal corner and rubber foot
- Mounting: One standard pole-mount plus one plastic handle
- Dimensions (HxWxD): 603 x 394 x 355mm (23.7" x 15.5" x 14")
- Weight: 19.7kg (43.4 lb)



ELVIS 15A MK II

2-Way 15" Active Speaker Cabinet

NEW

- Power System: 300W Bi-Amp (265W-LOW/35W-HIGH) RMS
400W Bi-Amp (335W-LOW/65W-HIGH) in EIAJ Standard
- Frequency Response (-10dB): 54Hz-18kHz, FLAT/47Hz-20kHz, EQ. LOUDNESS
- Maximum SPL @ 1m: 122dB continuous/125dB peak
- Coverage (HxV): 70° x 70° nominal
- Transducer Low: 15" Woofer, 2.5" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Active Crossover: 2kHz under analog processor, FLAT or EQ. LOUDNESS
- Input Connectors: LINE-COMBO/LINK-XLR-M Balanced (15kΩ)
- Input Level: Line 0dBu
- External Control: Volume Control/Flat-Eq.Loudness/Power ON with Green LED/
Clip Limiter with Red LED/Ground Lift
- Power Supply: 120-240 Volt - Switching Power Mode
- Enclosure Construction: Chipboard cabinet, glued and reinforced,
covered in black carpet; black metal corner and rubber foot
- Mounting: One standard pole-mount plus two plastic handle
- Dimensions (HxWxD): 670 x 438 x 375mm (26.4" x 17.2" x 14.8")
- Weight: 21.5kg (47.4 lb)



ELVIS 12SA

12" Subwoofer, Power Amp, Electronic Crossover

- Power System: 180W RMS
250W EIAJ
- Inputs: L/mono-R (XLR connectors)
- Outputs: L-R (XLR connectors)
- Controls: Main Volume, Stereo/Mono switch, Ground Switch
- Frequency Response: 50Hz-160Hz +/-6dB
- Maximum SPL @ 1m: 121dB
- Dimensions (HxWxD): 495 x 400 x 455mm (19.5" x 15.7" x 17.9")
- Weight: 27.4kg (60.4 lb)



ELVIS SERIES

ELVIS 15SA MK II 15" Active Subwoofer Speaker Cabinet

NEW

- Power System: 300W RMS/350W in EIAJ Standard
- Frequency Response (—10dB): 42Hz-125Hz
- Maximum SPL @ 1m (half space): 121dB continuous/124dB peak
- Transducer Low: 15" Woofer, 2.5" voice coil, with double ventilation
- Active Crossover: HPF 80Hz under analog processor
- Input Connectors: L-R Input (Combo/XLR-F)/L-R Link (2-XLR-M)/L-R Output (2-XLR-M) Balanced (15kΩ)
- Input Level: L-R Input Line 0dBu
- External Control: Volume Control/Phase Switch /HPF-80Hz By-Pass/Power ON with Green LED/Clip Limiter with Red LED/Ground Lift
- Power Supply: 120-240 Volt - Switching Power Mode
- Enclosure Construction: Chipboard cabinet, glued and reinforced, covered in black carpet; black metal corner and rubber foot
- Mounting: One metal standard pole-mount plus two plastic handle
- Dimensions (HxWxD): 558 × 438 × 506.7mm (22" × 17.2" × 20")
- Weight: 27kg (59.5 lb)



ELVIS 12MA MK II 2-Way 12" Active Monitor Speaker Cabinet

NEW

- Power System: 235W Bi-Amp (200W-LOW/35W-HIGH) RMS
300W Bi-Amp (235W-LOW/65W-HIGH) in EIAJ Standard
- Frequency Response (—10dB): 64Hz-18kHz, FLAT/60Hz-20kHz, EQ. LOUDNESS
- Maximum SPL @ 1m: 121dB continuous/124dB peak
- Coverage (HxV): 70° × 70° nominal
- Transducer Low: 12" Woofer, 2" voice coil, with double ventilation
- Transducer High: 1" Neodymium on Spherical Horn (Tractrix contour)
- Active Crossover: 2kHz under analog processor, FLAT or EQ. LOUDNESS
- Input Connectors: LINE-COMBO/LINK-XLR-M Balanced (15kΩ)
- Input Level: Line 0dBu
- External Control: Volume Control/Flat-Eq.Loudness/Power ON with Green LED/Clip Limiter with Red LED/Ground Lift
- Power Supply: 120-240 Volt - Switching Power Mode
- Enclosure Construction: Chipboard cabinet, glued and reinforced, covered in black carpet; black metal corner and rubber foot
- Mounting: One standard pole-mount plus one plastic handle
- Dimensions (HxWxD): 603 × 394 × 380mm (23.7" × 15.5" × 15")
- Weight: 18.5kg (40.8 lb)



ELVIS 15MA 2-Way Stage Monitor, 15" Woofer, 1" Compression Driver, Power Amp

- Power System: 250W RMS
350W EIAJ
- Inputs: Mic/Line (1/4"/XLR Combo connector)
- Controls: Mic Gain, Main Volume, 3-band EQ (+/—6dB), Ground Switch
- Frequency Response: 55Hz-20kHz +/—6dB
- Maximum SPL @ 1m: 123dB
- Dimensions (HxWxD): 700 × 455 × 370mm (27.6" × 17.9" × 14.6")
- Weight: 29.6kg (65.2 lb)



PAM SERIES

Using heavy duty large magnet assemblies and unique high-power moving coil double-woofer configurations, the PAM Series features injection-moulded cabinets deliver exceptional performance. Suited for a wide range of applications-from compact PA to stage monitoring to surround sound installations the PAM Series monitors-are reliable and sound great in any environment.

PAM5 Passive Personal Monitor

- Power Handling: 100W RMS/200W peak
- 2 × 5" extended range speakers
- Frequency Response (—10dB): 75Hz-16kHz
- Maximum SPL: 114dB @ 1m-117dB @ 0.5m
- Dimensions (HxWxD): 315 × 195 × 195mm (12.4" × 7.7" × 7.7")
- Weight: 4.5kg (9.9 lb)



PAM5A Amplified Personal Monitor

- 2 × 5" extended range speakers
- Amplifier: 100W RMS/200W peak
- Connectors Combo (Mic/Line inputs) RCA (Aux in) XLR (LINK Out)
- Frequency Response (—10dB): 75Hz-16kHz
- Maximum SPL: 114dB @ 1m-120dB @ 0.5m
- Dimensions (HxWxD): 315 × 195 × 195mm (12.4" × 7.7" × 7.7")
- Weight: 5.5kg (12.1 lb)



MICRO SERIES

For advanced PC audio applications or iPod and MP3.

Passive and active version allow users to choose and connect by the performance occasion.

MICRO 3/3A

- High performance 1" silk dome tweeter
- 2 × 3" woofers
- Impedance: 8Ω (Nominal)
- Power Handling: 30W RMS
- Sensitivity-SPL: 87dB (1W/1m)
- Max SPL: 103dB
- Shielded magnets
- AMP: 50W+50W (extra) EIAJ for MICRO 3A
- Activity Blue LED in front panel (MICRO 3A)
- Measurement (H×W×D): 216.5 × 143.5 × 152.5mm (8.5" × 5.6" × 6")
- Weight: MICRO 3: 2.2kg (4.9 lb)
MICRO 3A: 3.5kg (7.7 lb)



MICRO 4

- High performance 1" silk dome tweeter
- 2 × 4" woofers
- Impedance: 4Ω (Nominal)
- Power Handling: 60W RMS
- Sensitivity-SPL: 92dB (1W/1m)
- Max SPL: 101dB
- Shielded magnets
- Activity blue LED in front panel (MICRO 4A)
- Measurement (H×W×D): 287.5 × 169 × 201mm (11.3" × 6.7" × 7.9")
- Weight: 4.6kg (10.1 lb)



M SERIES

Your final product always depends on the final mix. When you use an unreliable monitor to mix your music you put your entire project at risk!

▲LTO's M Series features high-quality components in exceptionally well-made enclosures. M Series monitors deliver accurate, reliable sound and are equipped with near/far field configuration switching so you can tailor your sound environment. The M Series are equally powerful at home in a professional project studio or even with your laptop on the road!



M3A Near-Field Active Monitor

- High performance 1" silk dome tweeter
- 2 × 3" woofers
- Low Frequency amp: 30W (RMS)
- High Frequency amp: 15W (RMS)
- Activity Blue LED in front panel
- Sensitivity-SPL: 87dB (1W/1m)
- Impedance: 4Ω (Nominal)
- Max SPL: 104dB
- Shielded magnets
- Dimensions (H×W×D): 216.5 × 143.5 × 152.5mm (8.5" × 5.6" × 6")
- Weight: 3.6kg (7.9 lb)

M4A Near-Field Active Monitor

- High performance 1" silk dome tweeter
- 2 × 4" woofers
- Low Frequency amp: 60W (RMS)
- High Frequency amp: 30W (RMS)
- Activity Blue LED in front panel
- Sensitivity-SPL: 92dB (1W/1m)
- Impedance: 4Ω (Nominal)
- Max SPL: 112dB
- Shielded magnets
- Dimensions (H×W×D): 287.5 × 169 × 201mm (11.3" × 6.7" × 7.9")
- Weight: 6.5kg (14.3 lb)

M5A Near-Field Active Monitor

- High performance 1" silk dome tweeter
- 2 × 5" woofers
- Low Frequency amp: 130W (RMS)
- High Frequency amp: 60W (RMS)
- Activity Blue LED in front panel
- Sensitivity-SPL: 95dB (1W/1m)
- Impedance: 4Ω (Nominal)
- Max SPL: 118dB
- Shielded magnets
- Dimensions (H×W×D): 376 × 223.5 × 267mm (14.8" × 8.8" × 10.5")
- Weight: 8.3kg (18.3 lb)



LINE ARRAY

More and more audio array systems are becoming reference equipment for a daily growing number of rental companies. The great experience in audio field and cabinet design makes ▲LTO proud to introduce the REVO Line Array Audio systems, specifically developed to offer the best audio solutions according to the different music needs. All REVO systems put at your disposal versatile and powerful products, where technology and constant research are the key points.

All ▲LTO Line Array system delivers Music, Passion, Design.

LINE ARRAY

LINE ARRAY

REVO is a compact line array for fixed installation or rental company, the system is optimized for short or medium-throw, can be to install in indoor or outdoor space, as stereo system, mono center, or as delayed tower. Revo combine quick set up, with a coverage of 7.5° Vertical and 100° Horizontal and a maximum tilt capability of +20°/0°/-20°.

The suggested configurations included 2 × SUB118SP usable from 37Hz at 180Hz, plus 4 × SAT208P usable from 77Hz at 18kHz, one MAXIDRIVE 3.4+ Digital Processor that included the factory presets and freedom memory for custom presets.

The four ▲LTO class D power amplifier 4pcs D4 delivery 12000Watt of clean and undistorted power for a pair of REVO line array in stereo configuration.

REVO SAT208P 2-Way, Passive or Bi-Amp, With a Total of Four Speakers Device

- Operating Frequency Range: 65Hz-20kHz (−10dB)
- Frequency Response: 77Hz-18kHz (+/− 3dB)
- Nominal SPL @ 1m: 122dB SPL Continuous (Passive Mode)
- Maximum SPL @ 1m: 125dB Peak (Passive Mode)
- Power Rating (Passive): 400W RMS/800W Peak (AES Standard)
 - Bi-Amp Low 400W RMS/800W (AES Std.)
 - Bi-Amp High 75W RMS/150W (AES Std.)
- Coverage Horizontal: 100° nominal, single unit
- Coverage Vertical: 7.5° variable with array configuration
- Transducers Low-Mid: 2 × 8" Mid-Bass, 2" high-power voice coil, Ceramic magnet, weather resistant cone. Impedance 16Ω.
- Transducers High: 2 × 1, 4" Titanium diaphragm, neodymium magnet, 1" exit Impedance 16Ω
- Crossover Modes: Passive or Bi-Amp with externally selector High frequency externally level selector, used or Far field (+3dB) or Near field (0dB)
- System Sensitivity (1w@1mt): 97dB SPL, passive version
 - Bi-Amp Low 97dB (2 device parallel)
 - Bi-Amp High 107dB (2 device parallel)
- Nominal Impedance: Passive 8Ω
 - Bi-Amp Low 8Ω (2 device parallel)
 - Bi-Amp High 8Ω (2 device parallel)
- Suspension/Mounting: Integrated hardware for suspension in Line Array, dual pole socket, two handle
- Enclosure: 18mm calibrated plywood, black finish, perforated metal grille, silver finish
- Input Connectors: Two Speakon N-L 4 type, Passive,
 - Input 1+/1 - Output 1+/1 - Bi-Amp, Low 1+/1 - High 2+/2 -
- Dimensions (H×W×D): 271.5 × 620 × 423.5mm (10.7" × 24.4" × 16.7")
- Weight: 21.8kg (48.1 lb)



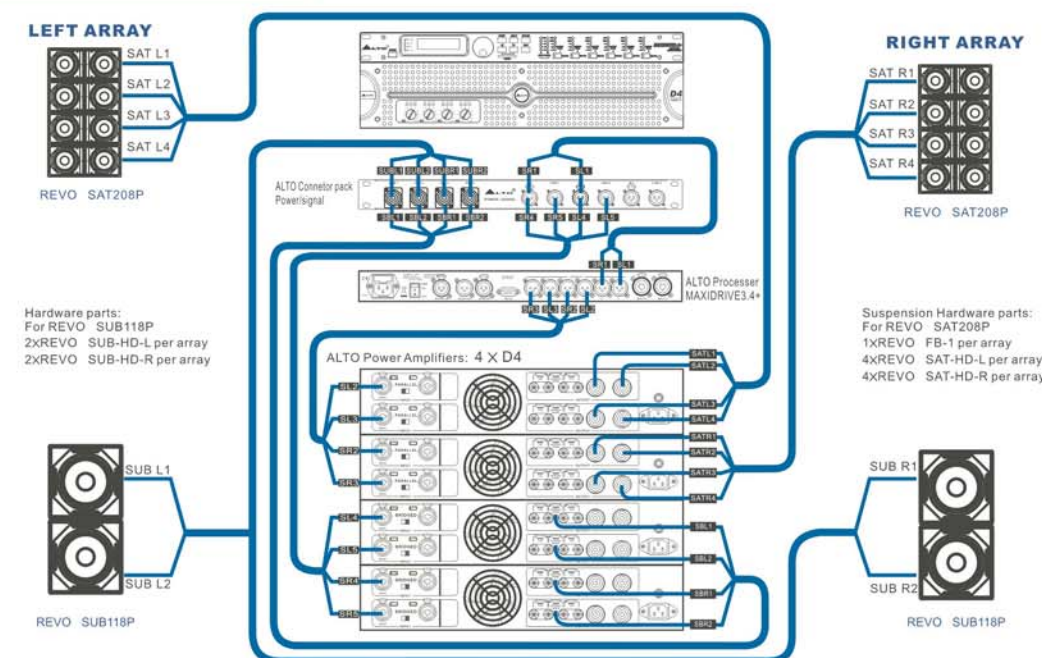
REVO SUB118P Vented Subwoofer, Passive or Direct

- Operating Frequency Range: 37Hz-200Hz (−10dB)
- Frequency Response: 43Hz-200Hz (+/− 3dB)
- Nominal SPL @ 1m: 122dB SPL Continuous (Direct Mode)
- Maximum SPL @ 1m: 125dB Peak (Direct Mode)
- Power Rating (Direct Mode): 750W RMS/1500W Peak (AES Standard)
- Transducers Low: 18" Subwoofer, 4" high-power voice coil ceramic magnet, weather resistant cone.
- Crossover modes: Passive, Direct with externally selector in direct connection
- System Sensitivity (1w@1mt): 97dB SPL, passive version
- Nominal Impedance: 8Ω (nominal)
- Suspension/Mounting: Single 36mm pole socket, four integrated point for line array suspension, two handle, our optional wheel
- Enclosure: 18mm calibrated plywood, black finish, perforated metal grille, silver finish.
- Input Connectors: Two SPK N-L 4 type, Passive, Input 1+/1 - Output 1+/1 -
 - Direct 1+/1 - (2 SPK parallel) with externally selector
- Dimensions (H×W×D): 620 × 620 × 700mm (24.4" × 24.4" × 27.5")
- Weight: 51.8kg (114.2 lb)



LINE ARRAY

(8 × SAT208P + 4 × SUB118P) HOOK-UP ILLUSTRATION



LINE ARRAY

REVO-CNP

- Power and signal distribution panel



REVO SS-50

- Stand for one or two SAT 208P



REVO SAT-HD

- Hardware for SAT 208P



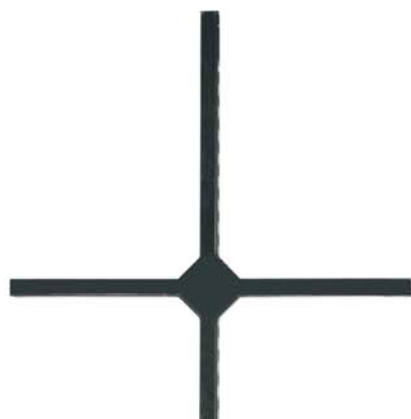
REVO SUB-HD

- Hardware for SUB 118P



REVO FB-1

- Flying bar for fly SAT 208P & SUB 118P



REVO SP-1

- Speaker pole for satellite & subwoofer separation.
Maximum: 2 SATs



REVO FC 4SAT

- Flight case for 4 × SAT 208P and SAT-HD



LINE ARRAY

REVO FC 2SUB

- Flight case for 2 × SUB 118P and SUB-HD, FB-1



REVO U-BOLT

- U-BOLT for REVO FB-1



REVO AC-6T

- Abs case 6U on wheels and trolley for D series amplifiers



REVO AC-8T

- Abs case 8U on wheels and trolley for D series amplifiers



REVO AC-10T

- Abs case 10U on wheels and trolley for D series amplifiers



AMPLIFIERS

The products line up is sporting the latest technologies offering a selection of amplifiers for every kind of audio systems.

▲LTO engineers know very well that amplifiers represent a crucial ring in the audio chain, that's why all details and features are always treated with the best attention and care. Severe and constant quality tests in the whole product development stages make ▲LTO amplifiers to be considered synonymous of consistency, constant power, low noise, compact size.

Every ▲LTO Amplifier means Music, Passion, Design.



D SERIES

MAC SERIES

MISTRAL SERIES

MC SERIES

D SERIES - High Efficient Power Amplifiers

▲LTO D Series amplifiers are based on very advanced switch mode power supply and innovative digital output circuit for unsurpassed clarity of sound and dynamic capacity. With power available from 1000 to 3000 watts and total weight starting at 5,5kg per unit only. The D SERIES amplifiers are possibly the lightest power amplifiers of this kind ever made. They include automatic Limiter circuit and they are ready to accept a DSP board for speaker management, PC Monitoring and Networking.

- Common Features:
- Distortion (SMPTE-IM): <0.5% (THD, DIM, SMPTE)
 - Frequency Response: 20Hz-20kHz +/-0.1dB, -3dB points: 10Hz-60kHz
 - Damping Factor, at 8Ω: >300

100Hz: >500
 1kHz: >200
 10kHz: >100
 - Signal to Noise, 20Hz-20kHz: >105dB/A
 - Voltage Gain: 40 x (32dB)
 - Input Sensitivity @ 4Ω: 1Vrms
 - Input Clipping: 10Vrms (+22dB)
 - Input Impedance: 10kΩ unbalanced, 20kΩ balanced; 56 (36dB)
 - Control: FRONT: AC SWITCH, GAIN KNOBS
 REAR: LOW PASS FILTER, BRIDGE SELECTOR.
 - Cooling: Continuously 7-variable-speed fan, rear-to-front air flow
 - Load Protection: On/off muting, DC-fault load grounding relay. Internal fault fuses.

D1 2-Channel Amplifier

- Power Rate@0.5% THD. Both channels driven: 2 x 390W@4Ω (RMS); 2 x 240W@8Ω (RMS)
 2 x 500W@4Ω (EIAJ); 2 x 270W@8Ω (EIAJ)
- Bridge Mode: 1 x 1000W@8Ω (EIAJ); 1 x 520W@16Ω (EIAJ)
- Dimensions (WxDxH): 483 x 285 x 88.8mm (19" x 10.4" x 3.5")
- Weight: 5.5kg (12.1 lb)



D SERIES - High Efficient Power Amplifiers

D2 4-Channel Amplifier

- Power Rate@0.5% THD. Both channels driven: 4 x 390W@4Ω (RMS); 4 x 240W@8Ω (RMS)
 4 x 500W@4Ω (EIAJ); 4 x 270W@8Ω (EIAJ)
- Bridge Mode: 2 x 1000W@8Ω (EIAJ); 2 x 520W@16Ω (EIAJ)
- Dimensions (WxDxH): 483 x 376 x 88.8mm (19" x 14.8" x 3.5")
- Weight: 7.9kg (17.4 lb)



D3 2-Channel Amplifier

- Power Rate@0.5% THD. Both channels driven: 2 x 540W@4Ω (RMS); 2 x 340W@8Ω (RMS)
 2 x 750W@4Ω (EIAJ); 2 x 370W@8Ω (EIAJ)
- Bridge Mode: 1 x 1500W@8Ω (EIAJ); 1 x 740W@16Ω (EIAJ)
- Dimensions (WxDxH): 483 x 285 x 88.8mm (19" x 10.4" x 3.5")
- Weight: 5.5kg (12.1 lb)



D4 4-Channel Amplifier

- Power Rate@0.5% THD. Both channels driven: 4 x 540W@4Ω (RMS); 4 x 340W@8Ω (RMS)
 4 x 750W@4Ω (EIAJ); 4 x 370W@8Ω (EIAJ)
- Bridge Mode: 2 x 1500W@8Ω (EIAJ); 2 x 740W@16Ω (EIAJ)
- Dimensions (WxDxH): 483 x 376 x 88.8mm (19" x 14.8" x 3.5")
- Weight: 7.9kg (17.4 lb)



MAC SERIES

What do we expect from a professional power amplifier? Reliability, hi-fi quality, high performance and durability! These amplifiers were designed to meet all the requests of audio professionals around the world! You can find a solution to suit your needs at the best possible price with the MAC series!

MAC2.2 Stereo Power Amplifier

- Stereo Mode: 2 × 750W@2Ω (EIAJ); 2 × 420W@4Ω (EIAJ); 2 × 350W@4Ω (RMS) 2 × 280W@8Ω (EIAJ); 2 × 230W@8Ω (RMS)
- Bridge Mode: 1 × 840W@8Ω (EIAJ); 1 × 710W@8Ω (RMS) 1 × 1500W@4Ω (EIAJ);
- Binding post and Speakon output connectors
- Excellent sound quality and frequency response
- High fidelity and low noise
- S/N Ratio: 100dB
- Damping Factor: > 100 at 1kHz
- Dimensions (WxDxH): 483 × 460 × 88.8mm (19" × 18.1" × 3.5")
- Weight: 13.6kg (30 lb)



MAC2.3 Stereo Power Amplifier

- Stereo Mode: 2 × 1000W@2Ω (EIAJ); 2 × 610W@4Ω (EIAJ); 2 × 510W@4Ω (RMS) 2 × 340W@8Ω (EIAJ); 2 × 285W@8Ω (RMS)
- Bridge Mode: 1 × 1220W@8Ω (EIAJ); 1 × 1000W@8Ω (RMS) 1 × 2200W@4Ω (EIAJ);
- Binding post and Speakon output connectors
- Excellent sound quality and frequency response
- High fidelity and low noise
- S/N Ratio: 100dB
- Damping Factor: > 100 at 1kHz
- Dimensions (WxDxH): 483 × 460 × 88.8mm (19" × 18.1" × 3.5")
- Weight: 15.6kg (34.4 lb)



MAC2.4 Stereo Power Amplifier

- Stereo Mode: 2 × 1800W@2Ω (EIAJ); 2 × 1100W@4Ω (EIAJ); 2 × 910W@4Ω (RMS) 2 × 670W@8Ω (EIAJ); 2 × 560W@8Ω (RMS)
- Bridge Mode: 1 × 2200W@8Ω (EIAJ); 1 × 1820W@8Ω (RMS) 1 × 3100W@4Ω (EIAJ);
- Binding post and Speakon output connectors
- Excellent sound quality and frequency response
- High fidelity and low noise
- S/N Ratio: 100dB
- Damping Factor: > 100 at 1kHz
- Dimensions (WxDxH): 483 × 460 × 88.8mm (19" × 18.1" × 3.5")
- Weight: 20.6kg (45.4 lb)



MISTRAL SERIES

Powerful and musical! Mistral amplifiers are based on a very musical sophisticated AB design and are available in a wide range of power from 200 to 3000 watts. These amps include a soft start, a signal limiter (which can be switched off) a variable speed low-noise fan and a sophisticated LED meter display monitors the amplifiers operation status in real time. The Mistral Series amplifiers also include an LED meter for every channel and functions monitored include: Operation, Limiting, Clipping and Protection modes. All Mistral toroidal transformers include an independent secondary rail for better stability and dynamic range.

MISTRAL400 Stereo Power Amplifier

- Stereo Mode: 2 × 100W@4Ω (EIAJ); 2 × 70W@4Ω (RMS); 2 × 60W@8Ω (EIAJ); 2 × 50W@8Ω (RMS)
- Bridge Mode: 1 × 200W@8Ω (EIAJ); 1 × 140W@8Ω (RMS)
- Neutrik Speakon output connectors
- Balanced XLR and 1/4" jack inputs
- 3 LEDs for limit, power on and clip
- Dimensions (WxDxH): 483 × 280 × 44.4mm (19" × 11" × 1.7")
- Weight: 6.5kg (14.3 lb)



MISTRAL900 Stereo Power Amplifier

- Stereo Mode: 2 × 250W@4Ω (EIAJ); 2 × 170W@4Ω (RMS); 2 × 170W@8Ω (EIAJ); 2 × 130W@8Ω (RMS)
- Bridge Mode: 1 × 500W@8Ω (EIAJ); 1 × 340W@8Ω (RMS)
- Binding post and Neutrik Speakon output connectors
- Smart-design protection system
- High-current toroidal transformer
- Balanced XLR inputs/parallel outputs
- Variable speed cooling
- 4 LEDs for operation/protection, limit, power on and clip
- Dimensions (WxDxH): 483 × 400 × 89mm (19" × 15.9" × 3.5")
- Weight: 11kg (24.3 lb)



MISTRAL1500 Stereo Power Amplifier

- Stereo Mode: 2 × 540W@4Ω (EIAJ); 2 × 400W@4Ω (RMS); 2 × 320W@8Ω (EIAJ); 2 × 250W@8Ω (RMS)
- Bridge Mode: 1 × 1000W@8Ω (EIAJ); 1 × 800W@8Ω (RMS)
- Binding post and Neutrik Speakon output connectors
- Smart-design protection system
- High-current toroidal transformer
- Balanced XLR inputs/parallel outputs
- Variable speed cooling
- 4 LEDs for operation/protection, limit, power on and clip
- Dimensions (WxDxH): 483 × 400 × 89mm (19" × 15.9" × 3.5")
- Weight: 13kg (28.7 lb)



MISTRAL SERIES

MISTRAL2500 Stereo Power Amplifier

- Stereo Mode: 2 x 800W@4Ω (EIAJ); 2 x 610W@4Ω (RMS); 2 x 440W@8Ω (EIAJ); 2 x 310W@8Ω (RMS)
- Bridge Mode: 1 x 1500W@8Ω (EIAJ); 1 x 1150W@8Ω (RMS)
- Binding post and Neutrik Speakon output connectors
- Smart-design protection system
- High-current toroidal transformer
- Balanced XLR inputs/parallel outputs
- Variable speed cooling
- 4 LEDs for operation/protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 400 x 89mm (19" x 15.9" x 3.5")
- Weight: 18.1kg (40 lb)

**MISTRAL4000** Stereo Power Amplifier

- Stereo Mode: 2 x 1100W@4Ω (EIAJ); 2 x 810W@4Ω (RMS); 2 x 600W@8Ω (EIAJ); 2 x 530W@8Ω (RMS)
- Bridge Mode: 1 x 2300W@8Ω (EIAJ); 1 x 1640W@8Ω (RMS)
- Binding post and Neutrik Speakon output connectors
- Smart-design protection system
- High-current toroidal transformer
- Balanced XLR inputs/parallel outputs
- Variable speed cooling
- 4 LEDs for operation/protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 400 x 89mm (19" x 15.9" x 3.5")
- Weight: 20.3kg (44.8 lb)

**MISTRAL6000** Stereo Power Amplifier

- Stereo Mode: 2 x 1500W@4Ω (EIAJ); 2 x 1170W@4Ω (RMS); 2 x 900W@8Ω (EIAJ); 2 x 780W@8Ω (RMS)
- Bridge Mode: 1 x 3100W@8Ω (EIAJ); 1 x 2300W@8Ω (RMS)
- Binding post and Neutrik Speakon output connectors
- Smart-design protection system
- High-current toroidal transformer
- Balanced XLR inputs/parallel outputs
- Variable speed cooling
- 4 LEDs for operation/protection, limit, power on and clip
- Dimensions (WxDxH): 483 x 453 x 133mm (19" x 17.8" x 5.2")
- Weight: 27.5kg (60.6 lb)



MC SERIES

Also based on Mistral design, MC amplifiers are available in 4 and 8 channels configurations with power ranging from 250 to 700 watt per channel. They include soft start, signal limiter (that can be switched off) a variable speed low-noise fan and a LED meter display which monitors the amplifiers operation status in real time. MC Series amplifiers also include an LED meter for every channel and functions monitored include: Operation, Limiting, Clipping and Protection modes. All Mistral toroidal transformers include an independent secondary rail for better stability and dynamic range.

- Ultra low-noise and hum
- DC, infrasonic, thermal overload & short circuit protection
- Smart indicator for signal, clip, protect, bridge-mono & parallel-input LEDs on front panel
- Selectable high-pass filters protect speakers and prevent speaker transformer saturation with minimal effect on program material
- DIP switch control for clip limiter, high-pass filter, bridge-mono selections
- Variable speed fan for low noise
- Detachable Euroblock: "Barrier strip" input connectors
- 1 dB dented gain controls for fast and accurate gain settings

MC250.4 Multi-Channel Stereo Amplifier

- Stereo Mode: 4 x 180W@8Ω (EIAJ); 4 x 250W@4Ω (EIAJ)
- Bridge Mode: 2 x 500W@8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 403 x 89mm (19" x 15.9" x 3.5")
- Weight: 17kg (37.5 lb)

**MC250.8** Multi-Channel Stereo Amplifier

- Stereo Mode: 8 x 180W@8Ω (EIAJ); 8 x 250W@4Ω (EIAJ)
- Bridge Mode: 4 x 500W@8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 450 x 89mm (19" x 17.7" x 3.5")
- Weight: 21.6kg (47.6 lb)

**MC500.4** Multi-Channel Stereo Amplifier

- Stereo Mode: 4 x 300W@8Ω (EIAJ); 4 x 500W@4Ω (EIAJ)
- Bridge Mode: 2 x 1000W@8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 403 x 89mm (19" x 15.9" x 3.5")
- Weight: 19kg (41.9 lb)

**MC700.4** Multi-Channel Stereo Amplifier

- Stereo Mode: 4 x 460W@8Ω (EIAJ); 4 x 700W@4Ω (EIAJ)
- Bridge Mode: 2 x 1450W@8Ω (EIAJ)
- Dimensions (WxDxH): 483 x 403 x 133mm (19" x 15.9" x 5.2")
- Weight: 30kg (66.1 lb)

