

Hybrid

L6A **POWERED LINE ARRAY**



USER MANUAL

REV Z0 15-11-2022

IMPORTANT PRECAUTIONS



SYMBOL ALERTING THE OPERATOR TO FOLLOW IMPORTANT OPERATING INSTRUCTIONS AND PRECAUTIONS DETAILED IN THIS DOCUMENT.



SYMBOL WARNING THE OPERATOR THAT UNINSULATED, DANGEROUS VOLTAGES ARE PRESENT WITHIN THE ENCLOSURE THAT MAY POSE A RISK OF ELECTRIC SHOCK.

- Save the carton and packing material even if the Speaker has arrived in perfect condition. Should you ever need to ship the Speaker for servicing, use the original packaging supplied.
- Read all documentation before operating your Speaker. Retain all documentation for future reference.



Follow all instructions printed on this user manual and the back panel of the Speaker for proper and safe operation.



Do not spill water or other liquids into or on the Speaker, or operate the Speaker whilst under wet or damp conditions.



Ensure that power outlets and mains voltage conform to the power requirements printed on the back panel of the Speaker.



Do not use the Speaker if the electrical power cable is frayed or damaged. The mains cable should be routed so that it is not walked upon or pinched by objects close by. Only use the original power cable supplied with your Speaker.



Always operate the Speaker with the AC Earth wire connected on both sides (speaker and mains).



Precaution should be taken so that the Earth connection is not defeated.



Power down and disconnect your Speaker from mains power before attempting any physical connections to audio sources.



Never force the power on-off switch to the ON position if it will not stay there by itself.



Never use your Speaker near heat radiating appliances, such as stoves and heaters.



Do not operate your Speaker on a surface or in an environment that may impede the normal flow of air around the Speaker.

- If the Speaker is consistently used in an extremely dusty or smoky environment, the amplifier should periodically be blown free of foreign matter. However, this operation should only be carried out by a qualified service agent/centre



Do not remove the amplifier module of the Speaker. Removing this panel yourself will expose you to potentially dangerous voltages. There are no user-serviceable parts inside the Speaker.



Do not apply an input signal that is much greater than that which is required to achieve the maximum output level. This may damage the pre-amplification stage circuitry.



Do not connect the input or output connectors of your Speaker to any other voltage sources, such as batteries, mains power or power supply units, regardless of whether the Speaker is switched on or off.



During long periods of disuse, the power cable should be unplugged from the mains voltage outlet.

- After long periods of disuse, the mains cable should be inspected for any damage before using the Speaker again.
- Your Speaker should be serviced only by qualified service personnel. Contact your nearest official retailer should your Speaker need technical attention.
- Your Speaker should be serviced by a qualified service technician when:
 - The power supply cord or plug/s have been damaged.
 - Liquids have been spilled inside the speaker enclosure.
 - The speaker has been exposed to rain or excessive moisture.
 - The speaker does not appear to operate normally, or exhibits a reduction in performance.
 - The speaker has been dropped or the enclosure is damaged.

INTRODUCTION

- Congratulations on your purchase of the new Hybrid L6A Powered Line Array Speaker, and thank you for your confidence in the Hybrid brand. You are amongst the growing number of audio professionals who have made Hybrid one of Southern Africa’s leading brands of professional and commercial audio systems.
- For your safety, please read the important precautions before installing and operating your Speaker. The Hybrid L6A is based on the same advanced circuit topologies that have made Hybrid products the choice of professionals for the past 30 years. The Hybrid L6A has been designed for high operating efficiency and accurate sonic performance across the full audio bandwidth, even under stressful conditions. The internal components are of the finest available, and sub-assemblies are pre-tested before the final assembly. Each speaker is “burned in” and thoroughly tested using precision audio testing equipment before shipping. Finally, the Hybrid L6A incorporates extensive protective features to safeguard both the internal circuitry and transducers. This proven combination of advanced design, quality construction and comprehensive circuit protection is your guarantee for fail-safe reliability, meaning you can depend on consistent, stable performance.

UNPACKING

What’s in the box:

- * 1 X L6A Powered Line Array Speaker
- * 1 X XLR(Male) - XLR(Female) 2m
- * 1 X 220 Vac Powered Link Cable 2m
- * 1 X User Manual

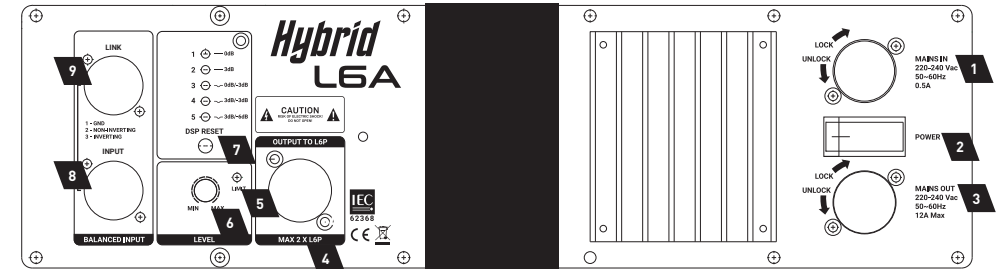
- Please inspect the Speaker carefully immediately after unpacking. If you find any visible damage, notify your supplier/retailer immediately. Be sure to save the carton and all packing materials should you need to ship the unit back to your authorised service centre.
- The Hybrid L6A offers a 12-month “No-Quibble” carry-in guarantee, and should your Speaker, in the unlikely event, be damaged upon receipt and inspection, we offer an exchange immediately, provided that all packaging and cabling are returned in their original condition.

INSTALLATION AND MOUNTING

- The Hybrid L6A speakers can be ground-stacked or hung/suspended together with the associated 350mm pole accessory and fly frame.
- The Hybrid L6A also includes integrated flying/ground-stack hardware, allowing for multiple L6A/L6P cabinets to be coupled in a vertical line with the option of various individual splay angles between 0° and 16° when flown.

USER INTERFACE ELEMENTS

Rear Panel: L6A



- 1:** Powercon IN connector
- 2:** Power ON-OFF- switch
- 3:** Powercon OUT connector
- 4:** Speakon output connector
- 5:** Limit LED
- 6:** Level potentiometer
- 7:** Preset selection button
- 8:** INPUT connector
- 9:** INPUT loop-through

1: POWERCON IN CONNECTOR ⚡ ⚠

- Mains 220–240Vac Input connector
- Only use the cable supplied with this speaker to power up the unit (Powercon–South African mains 3-pin plug)
- **DO NOT** modify the cable in any way.
- Inspect the cable before use and should any sign of damage be visible, replace the faulty cable with another of the exact same type, available from your nearest authorised retailer.

2: POWER ON-OFF SWITCH

The main power switch, which switches the speaker ON or OFF. Once the speaker is switched ON, one of the 5 preset LEDs will illuminate.

3: POWERCON OUT CONNECTOR ⚡ ⚠

- Mains 220–240Vac loop-through Output connector, allowing multiple Hybrid L6A speakers to be powered by the same mains outlet.
- Do not power (daisy-chain) more than 4 cabinets from the same mains outlet. Overloading the power source may cause the line circuit breaker to activate and, in extreme cases, could be a fire hazard.
- Only use Powercon Output–Powercon Input cables to connect multiple speaker cabinets.

- 3 core cable (Live, Neutral and Earth), minimum 1mm diameter/core.

4: SPEAKON OUTPUT CONNECTOR

- The Speakon Output connector is used when connecting a Hybrid L6P Passive Line Array Speaker to your system. Only use the 4 core link cable supplied with the L6P for this connection – the cable is a specialised and tailor-made cable for this application, and the use of a different cable may cause the system to malfunction or cause damage to the L6A and L6P.
- When connecting the Hybrid L6A to the Hybrid L6P, a maximum of two L6P cabinets may be connected to one L6A. Connecting more than two L6P cabinets may damage the power amplifier of the L6A cabinet.
- Only use Powercon Output – Powercon Input cables to connect multiple speaker cabinets.
- 3 Core cable (Live, Neutral and Earth), min. 1mm diameter / core.

5: LIMIT LED

- The limit LED turns red to indicate when the speaker has reached its maximum SPL performance and the internal limiters have activated, protecting the speaker and its electronics.

TIP: Do not drive the power amplifier beyond this point as it will degrade the audio quality, which may damage your speakers.

6: LEVEL POTENTIOMETER

- The rotary level potentiometer controls the output level/volume of the L6A speaker. It is good practice to have the level potentiometer at its lowest setting (rotated completely anti-clockwise) prior to switching the L6A on or off.

7: PRESET SELECTION BUTTON

- Pressing the preset button will scroll to the next preset from 1 to 5 and back again. When switched on for the first time, the L6A will be set with the factory default, preset 1.

PRESET SELECTION

Preset 1 – FLAT, 0dB

Preset 2 – FLAT, +3dB

Preset 3 – CURVED, 0dB with a -3dB/Q = 0.707 PEQ at 1KHz

Preset 4 – CURVED, +3dB with a -3dB/Q = 0.707 PEQ at 1KHz

Preset 5 – CURVED, +3dB with a -6dB/Q = 0.707 PEQ at 1KHz

8: INPUT CONNECTOR

The XLR Female Input connector is configured as a mono balanced input and should be connected to the main line level output from your mixer or audio source. For optimal performance, an audio source with balanced line outputs should be used in order to reduce possible noise and keep the input stages of the system at acceptable levels, thereby avoiding clipped input signals.

This cable is NOT supplied with the L6A speaker since the length between the L6A and the signal source varies from application to application.

PIN-OUT CONFIGURATION OF A MONO BALANCED INPUT

Pin 1 – Ground

Pin 2 – Non-inverting (+)

Pin 3 – Inverting (-)

9: INPUT LOOP-THROUGH

- The input loop-through connector enables linking the input to multiple powered speaker units.
- The XLR Male connector is a balanced line connector with an industry standard pin-out configuration as follows:

Pin 1 – Ground

Pin 2 – Non-inverting (+)

Pin 3 – Inverting (-)

FUSE

The L6A cabinet is internally fused. Should the unit not switch on and it is suspected that the fuse may have blown, take the speaker for testing to your nearest authorised service centre. Opening the unit and attempting to repair it without the guidance of a qualified technician is dangerous, as high voltages are present within the circuitry of the cabinet even after the unit has been switched off.

Usually, when the fuse has blown, it indicates that there are damaged components within the circuitry of the speaker. Changing the fuse yourself and restarting the speaker may cause further damage to these components.

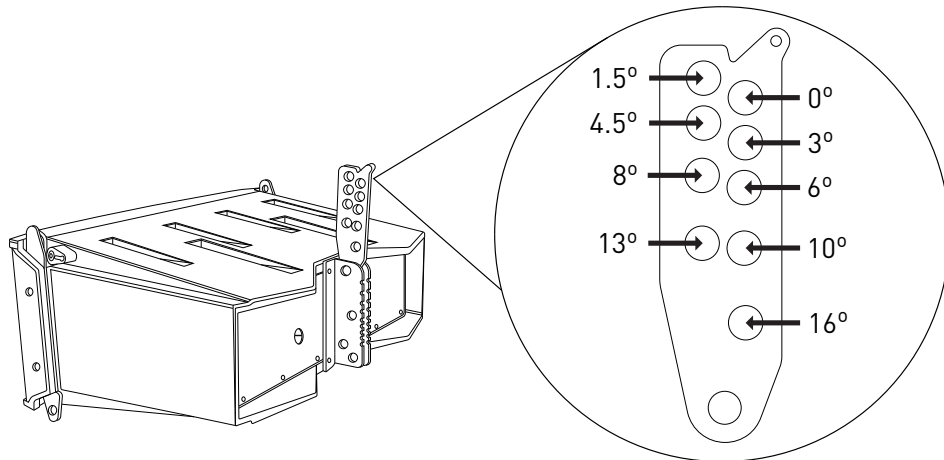
DO NOT attempt to bypass the fuse in any manner by bridging the fuse with a solid conductor.

DO NOT replace the blown fuse with a fuse of the incorrect value. Only replace the fuse with another of the exact fuse rating as printed on the back panel.

REAR RIGGING BAR

- The rigging bar is used for both ground-stacking and flown applications.

The rigging bar has multiple vertical splay angles between 0° and 16° as demonstrated below, making various vertical curvature arrays possible, thus, suiting most venues. Through careful project planning and the correct curvature integration, a smooth and consistent SPL is achievable throughout the target audience.



GETTING STARTED

The Hybrid L6A line array cabinet is suited for most small to medium indoor or outdoor applications. Its applications span being used as a stand-alone cabinet or a coupled array for speech only to arrays with sub-bass cabinets for live events and DJ performances.

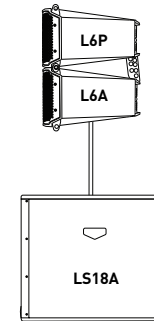
! TIP: Connecting more than two L6P cabinets to one L6A cabinet will reduce the system impedance to dangerous levels and may cause the system to malfunction, potentially destroying the power amplifier within the L6A.

USING THE L6A AS A GROUND-STACKED APPLICATION

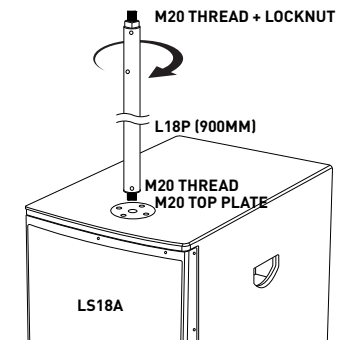
The Hybrid L6A can be used as a ground-stacked setup coupled together with the Hybrid LS18A (single 18" powered sub-bass) for small indoor functions (up to 500 people) or coupled with the Hybrid LS218A (dual 18" powered sub-bass) for larger indoor or outdoor functions (up to 1000 people).

GROUND-STACK WITH AN LS18A

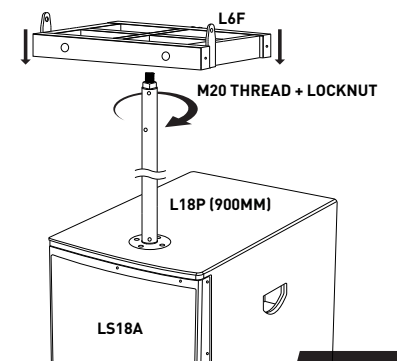
- Place the Hybrid LS18A powered sub-bass speaker.



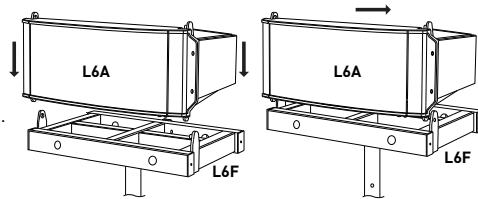
- Attach the Hybrid L18P (900mm) pole to the LS18A sub-bass cabinet by screwing tightly the end with the shorter M20 thread clockwise onto the integrated M20 top plate on the cabinet.



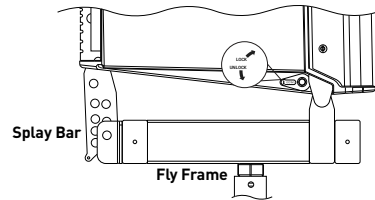
- Attach the Hybrid L6F fly frame to the opposite end of the Hybrid L18P pole by screwing the longer M20 thread onto the integrated M20 threaded hole on the frame. Once the frame is completely screwed in, place the frame in the desired horizontal position and tighten the lock nut provided on the L18P.



- 4: Align the front-end rigging holes of the Hybrid L6A with the front-end rigging holes of the L6F fly frame. Slide the L6A cabinet to the right until the units are correctly coupled. Activate the locking mechanism located on the front end of the L6A.

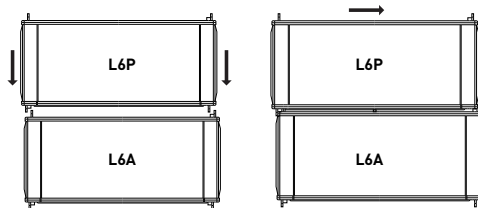


Lift the rear of the L6A cabinet and align the desired angle of the integrated splay bar with the fly frame using the quick-release self-locking pins attached to the L6A.

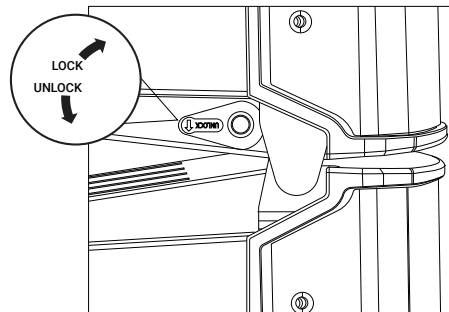


Locking Machnism - Locked Postion

- 5: Align the front-end rigging holes of the Hybrid L6P with the front-end rigging holes of the L6A. Slide the L6P cabinet to the right until the units are correctly coupled. Activate the locking mechanism located on the front end of the L6P.



Lift the rear of the L6P cabinet and align the desired angle of the L6A integrated splay bar with the fly frame using the quick-release self-locking pins attached to the L6A.



Locking Machnism - Locked Postion

- 6: Connect the audio source (mixer or other source) to the LS18A XLR input connector using a balanced XLR-XLR audio cable (not supplied). Then, using the supplied 2m balanced line XLR-XLR input cable, connect the LS18A link XLR to the L6A input XLR (#8).



TIP: It is recommended to make all input and loop-through connections before powering up your system and to mute the input signal from the audio source. This will avoid unexpected “thumps” when powering up your system and prevent abnormal high input signals that may overload your speaker. Furthermore, it is advisable to always use balanced line inputs as opposed to unbalanced inputs, ensuring a +6dB gain structure and noise reduction throughout your system.

- 7: Using the Speakon cable supplied with the L6P, connect the L6A speaker output (#4) to the L6P speaker input.
- 8: With the 2m Powercon link mains cable supplied with the L6A, connect the LS18A mains output to the L6A mains input (#1).
- 9: Connect the LS18A to the mains outlet using the Powercon mains cable supplied with the LS18A and then power up the LS18A and L6A powered speakers by switching the power switches ON (#2).
- 10: Test the system by applying an input signal via the mixer or other music source at a low volume. Ensure that all speakers are functional before increasing the volume to the desired SPL.
- 11: Choose the desired preset for the genre of music/application by pressing the preset selection switch (#7) located on the rear panel of the L6A.

PRESET GUIDE

Preset 1 – FLAT; 0dB: flown applications, near field

Preset 2 – FLAT; +3dB: flown applications, far field

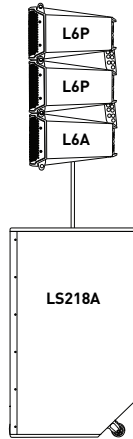
Preset 3 – CURVED; MID -3dB EQ, BASS and TREBLE 0dB: ground stack, vocals/live/rock

Preset 4 – CURVED; MID -3dB EQ, BASS and TREBLE +3dB: ground stack, club genre

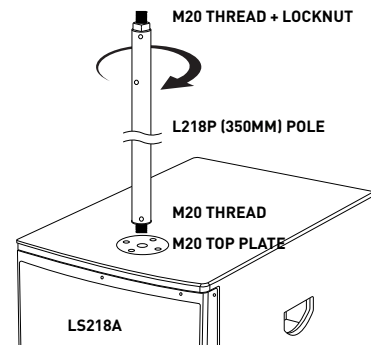
Preset 5 – CURVED; MID -6dB EQ, BASS and TREBLE +3dB: ground stack, club genre

GROUND-STACK WITH AN LS218A

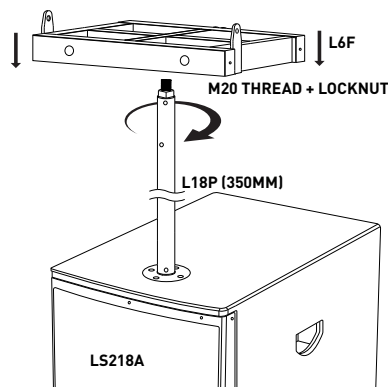
1: Place the Hybrid LS218A powered sub-bass speaker on the floor.



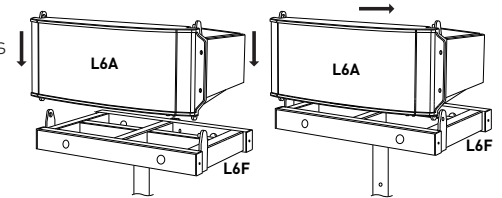
2: Attach the Hybrid L218P (350mm) pole to the LS218A sub-bass cabinet by screwing tightly the end with the shorter M20 thread onto the integrated M20 top plate on the cabinet.



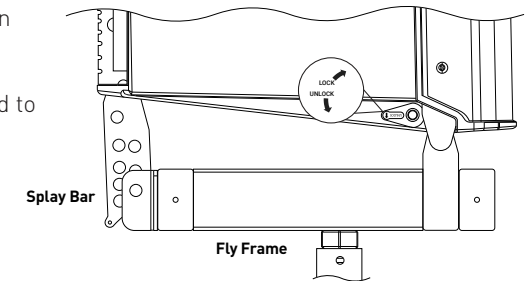
3: Attach the Hybrid L6F fly frame to the opposite end of the Hybrid L218P pole by screwing the longer M20 thread onto the integrated M20 threaded hole on the frame. Once the frame is completely screwed in, place the frame in the desired horizontal position and tighten the locknut provided on the L218P pole.



4: Align the front-end rigging holes of the Hybrid L6P with the front-end rigging holes of the L6A. Slide the L6P cabinet to the right until the units are correctly coupled. Activate the locking mechanism located on the front end of the L6P.

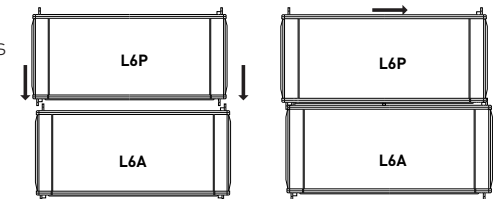


Lift the rear of the L6P cabinet and align the desired angle of the L6A integrated splay bar with the fly frame using the quick-release self-locking pins attached to the L6A.

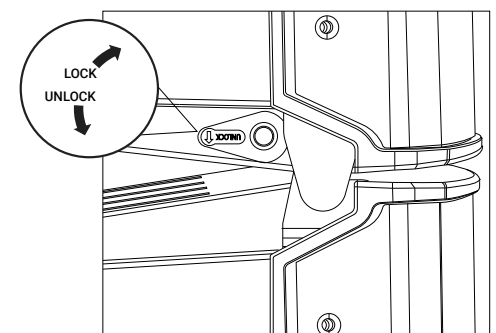


Locking Mechanism - Locked Position

5: Align the front-end rigging holes of the Hybrid L6P with the front-end rigging holes of the L6A. Slide the L6P cabinet to the right until the units are correctly coupled. Activate the locking mechanism located on the front end of the L6P.



Lift the rear of the L6P cabinet and align the desired angle of the L6A integrated splay bar with the fly frame using the quick-release self-locking pins attached to the L6A.



Locking Mechanism - Locked Position

- 6: Repeat step 5 with the second L6P cabinet.
- 7: Connect the audio source (mixer or other source) to the LS218A XLR input connector using a balanced XLR-XLR audio cable (not supplied). Then, using the supplied 2m balanced line XLR-XLR input cable, connect the LS218A link XLR to the L6A input XLR (#8).



TIP: It is recommended to make all input and loop-through connections before powering up your system and to mute the input signal from the audio source. This will avoid unexpected “thumps” when powering up your system and prevent abnormal high input signals that may overload your speaker. Furthermore, it is advisable to always use balanced line inputs as opposed to unbalanced inputs, ensuring a +6dB gain structure and noise reduction throughout your system.

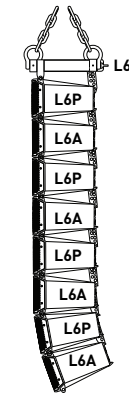
- 8: Using the Speakon cable supplied with the L6P, connect the L6A speaker output (#4) to the L6P speaker input.
- 9: Using the Speakon cable supplied with the second L6P, connect the first L6P speaker output to the second L6P speaker input.
- 10: With the 2m Powercon link mains cable supplied with the L6A, connect the LS218A mains output to the L6A mains input (#1).
- 11: Connect the LS218A to the mains outlet using the Powercon mains cable supplied with the LS218A and then power up the LS218A and L6A powered speakers by switching the power switches ON (#2).
- 12: Test the system by applying an input via the mixer or other music source at a low volume. Ensure that all speakers are functional before increasing the volume to the desired SPL. switches ON (#2).
- 13: Choose the desired preset for the genre of music/application by pressing the preset selection switch (#7) located on the rear panel of the L6A.

PRESET GUIDE

- Preset 1 – FLAT; 0dB: flown applications, near field
- Preset 2 – FLAT; +3dB: flown applications, far field
- Preset 3 – CURVED; MID -3dB EQ, BASS and TREBLE 0dB: ground stack, vocals/live/rock
- Preset 4 – CURVED; MID -3dB EQ, BASS and TREBLE +3dB: ground stack, club genre
- Preset 5 – CURVED; MID -6dB EQ, BASS and TREBLE +3dB: ground stack, club genre

FLOWN APPLICATION

FLOWN-MAX 8 CABINATS/LINE



There are many variations of flown configurations to suit most applications, from a standalone array for speech using a short or long line, depending on venue size, to arrays coupled with bass bins for live events and DJ performances.

Flown configurations can also be designed using L6P passive cabinets linked to the L6A active cabinet. Although a maximum of two L6P passive cabinets can be powered by an L6A active cabinet, it is recommended to design your system with a ratio of 1:1 for best performance (i.e., one L6A active cabinet powering one L6P passive cabinet).

Flown systems can be designed using only one or two L6A or L6P cabinets per line if the venue is small, but it is important to note that the true benefits of line array technology only start to work with longer lines; thus, it is recommended to have 6 cabinets or more per line.

The Hybrid L6A Active Speakers have been designed primarily for ground-stack configurations, and when they are used as a flown system, the cabinets will be inverted once attached to the fly frame.

It is recommended that for permanent flown installations the cabinets be opened by a qualified service centre and the amplifier module/back panel be inverted. The same should also be done for the logo on the front grille of the speaker.

SAFETY WHEN FLYING THE HYBRID L6A/L6P CABINETS

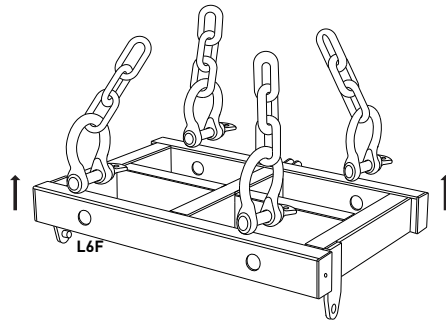


- Ensure the structure from which the line array will be hung is certified by a qualified structural engineer.
- Only use the correct fly frame (Hybrid L6F) when flying the Hybrid L6A and L6P cabinets, and before use perform a visual check on the fly frame for any damage that may have occurred in previous usages.

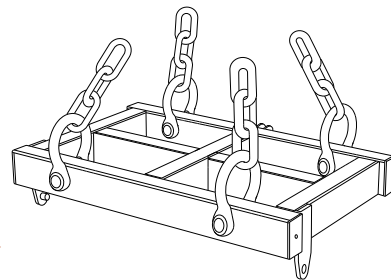
- It is recommended that the hoist and shackles that are used for suspending the line array be rated with an 8x safety margin of total load for indoor applications and a 16x safety margin of total load for outdoor applications.
- Never suspend the L6A or L6P line arrays above the audience or technical crew, especially when using the line array for a temporary event.
- Always suspend the L6A and L6P line arrays with the inclusion of safety chains that are not taut, with as little falling distance as possible required for the safety chain to hold the load.

STEP PROCEDURE FOR FLYING APPLICATION

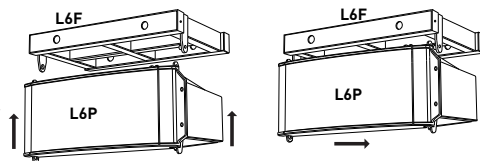
- Attach the four fly frame shackles securely to the fly frame.



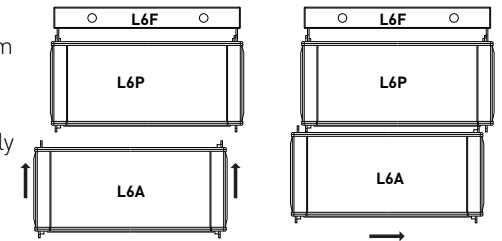
- Attach the lifting hoist securely to the shackles.



- Align the top front-end rigging holes of the Hybrid L6P with the front-end rigging holes of the L6F fly frame. Slide the L6P cabinet into the fly frame until the units are correctly coupled. Activate the locking mechanism located on the front end of the L6P.

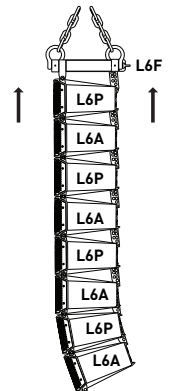


- Align the top front-end rigging holes of the next Hybrid L6A or L6P cabinet to the bottom front-end rigging holes of the L6A already hung. Slide the L6A or L6P cabinet into the hung L6A cabinet until the units are correctly coupled. Activate the locking mechanism located on the front end of the L6A or L6P. Lift the back-end of the L6A or L6P cabinet and attach the integrated angle splay bar of the L6A or L6P using the quick-release self-locking pins attached to the cabinet.



- Follow step 4 for the next L6A/L6P cabinets to be installed until the complete line has been hung. Please note that the L6A and L6P are small format line array cabinets, and it is not recommended to hang more than 12 cabinets in a line.

- Once the complete array has been hung, lift the array slightly off the ground until it is freely suspended and ensure that the overall angle of the complete array is correct.



- If a combination of L6A and L6P speakers are to be used, it is recommended that the ratio between the two models is 1:1, i.e., alternating between the two models and starting with an L6P at the top of the array. Continue this alternate model hanging until the array is complete.
- Make all input connections between the array cabinets, linking all L6A active cabinets (#8 and #9) with balanced line input cables. Remember to allow for the main input from the mixer or other source to be connected to the bottom L6A cabinet.
- Make all output connections between the L6A active cabinets (#4) to the L6P passive cabinets, using the 4 core Speakon link cables supplied with the L6P cabinets. A maximum of two L6P cabinets can be powered by one L6A active cabinet, but it is recommended that only one passive cabinet be connected to one active cabinet for flown applications.

- 10:** Make all mains power link connections between the L6A active cabinets (#1 and #3), linking all L6A active cabinets with the Powercon link cables supplied. Remember to allow for the main power input to be connected to the bottom L6A cabinet.
- 11:** Make the audio input connection between the mixer or other source's output and the input (#8) of the bottom L6A cabinet. It is recommended that the audio source used has balanced line outputs in order to minimise noise levels and to keep the system within acceptable limits without clipping any of the input stages. A balanced line XLR Male-XLR Female input cable for connecting the mixer or other source to the L6A is not supplied.
- 12:** Ensure all L6A cabinets are switched OFF (#2) and the level potentiometers (#6) are at the minimum position (rotated fully anti-clockwise).
- 13:** Make the mains power connection from the venue's mains 220Vac/50Hz source to the bottom L6A active cabinet (#1). For South African standard applications, this cable is a Powercon to a standard South African 3-pin plug. This power cable is not supplied with the L6A active cabinet.
- 14:** First, ensure the mixer or other audio source's main output levels are at the minimum position. Then switch on (#2) all L6A cabinets, and turn the level controls on the back panels to the maximum position (rotated fully clockwise).
- 15:** Choose the desired preset for the genre of music/application by pressing the preset selection switch (#7) located on the rear panel of the L6A.

PRESET GUIDE

Preset 1 – FLAT; 0dB: flown applications, near field

Preset 2 – FLAT; +3dB: flown applications, far field

Preset 3 – MID -3dB EQ, BASS and TREBLE 0dB: ground stacking, vocals/live/rock

Preset 4 – MID -3dB EQ, BASS and TREBLE +3dB: ground stacking, club genre

Preset 5 – MID -6dB EQ, BASS and TREBLE +3dB: ground stacking, club genre

- 16:** Apply a signal to the array line through the mixer or other audio source and gradually increase the volume until a low level has been reached. Check that all speakers in the line are working correctly.
- 17:** Lift the complete array of speakers to the desired height and install the safety chain between the hanging structure and the L6F fly frame.

MAINTENANCE

Your Hybrid L6A Active Line Array Speaker requires no routine maintenance other than the occasional cleaning of the heat sink located on the rear panel of the Speaker. It is important to keep the heat sink free of dirt and dust so as to avoid overheating the inbuilt amplifier. Cleaning of the heat sink is recommended every 3–6 months depending on the environment the Speaker is working in.

Users will not need to make any internal adjustments to the Hybrid L6A Line Array Speaker throughout its lifetime. There are no user-serviceable parts inside. Removal of the back panel/amplifier module poses the risk of electrical shock; thus, should any servicing be needed, it should be carried out by an authorised and qualified service centre.

SERVICE, REPAIR AND GUARANTEE

In the unlikely event that your Hybrid L6A Active Line Array Speaker develops a technical fault, it should be returned to an authorised distributor or service centre. Due to the complexity of the design and the risk of electrical shock, all repairs must be carried out by authorised and qualified personnel. If the L6A Speaker needs to be couriered to the distributor or service centre, ensure that it is correctly packed in its original packaging so as to avoid further damage.

Your Hybrid L6A Speaker carries from the date of purchase a 12-month "No-Quibble" walk-in guarantee on all electronic components. Hybrid prides itself on its excellent after-sales service and it is our goal to return your L6A back to you in perfect working order.

Thank you for purchasing a Hybrid product and for reading this user manual. You are now ready to use your Hybrid L6A and we hope it brings you many hours of listening pleasure.

FEATURES

Ideal for small to medium indoor or outdoor applications.

Easy mobility with integrated castor wheels

Tailored bass reinforcement for Hybrid L6A & L6P line array speakers

SPECIFICATIONS

Power	240W programme
LF	Dual 6" (6LA-8), 200W programme, 8Ω
HF	Dual 1" (1LA-8), 40W programme, 8Ω
Frequency response	125Hz-18KHz
Average sensitivity	1W@1m: 95dB
Max SPL (calculated)	121dB
Horizontal directivity	80°
Vertical directivity	15° (1 cabinet)
Amplifier class	Class D
Amplifier power	200W + 200W RMS
DSP	28/56-bit, 50MHz digital audio processor, (100dB SNR/-80dB THD+N)
Applications	Sub-bass ground-stack with pole (L18P/L218P) and fly frame (L6F) Standalone or with sub-bass flown with fly frame (L6F)
Cabinet construction	ABS moulded, metal back plate with metal integrated rigging
Dimensions	455mm x 190mm x 350mm (W x H x D)
Weight	10kg

DIMENSIONS OF CARTON BOX HXWD: 505mm x 430mm x 530mm (W x H x D)

NET SHIPPING WEIGHT: 23kg