AVANTE

IMPERIO PRO SERIES
IMP205 SPEAKERS

ELEVATING YOUR SOUND

USER MANUAL

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Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

DOCUMENT VERSION

Due to additional product features and/or enhancements, an updated version of this document may be available online. Please scan the QR Code with your mobile device or visit www.elationlighting.com for the latest revision/update of this manual, before installation and/or programming.

Date	Document Version	Notes
08/01/22	1	Initial Release
03/03/23	1.1	Updated Dimensions, Specifications

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GENERAL INFORMATION

INTRODUCTION

This speaker is designed for professional use only. Please read and understand all the instructions and guidelines in this manual carefully and thoroughly before attempting to operate these speakers. These instructions contain important information regarding safety, installation, and use.

UNPACKING

Every speaker has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect speaker for damage and be sure all accessories necessary to install and operate the speaker have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this speaker to your dealer without first contacting customer support at the number listed below. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

AVANTE provides a customer support line to provide set up help, answer any question should you encounter problems during your set up or initial operation, and for any service related issues. Please visit www.avanteaudio.com for up to date iinformation. You may also visit us on the web at www.avanteaudio.com for any comments or suggestions.

AVANTE SERVICE USA - Monday - Friday 8:00am to 4:30pm PST
Voice: 800-322-6337 | Fax: 323-532-2941 | support@avanteaudio.com

AVANTE SERVICE EUROPE - Monday - Friday 08:30 to 17:00 CET
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WARRANTY REGISTRATION

Please register your product online: www.avanteaudio.com Online product registration is required in order to activate the third year of the 3-year warranty. All returned service items, whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice and the unit must be registered online at www.avanteaudio.com to receive year 3 of the 3-year warranty. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

LIMITED WARRANTY (USA ONLY)

1. ADJ Products, LLC hereby warrants, to the original purchaser, AVANTE products to be free of manufacturing defects in material and workmanship for a prescribed period of up to 3-years (1,095 days) from the original purchase date. Product must be registered online at www.avanteaudio.com in order to activate year 3 of the 3-year warranty period. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence at the time service is sought.
2. For warranty service you must obtain a Return Authorization number (RA#) before sending the product back; please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, ADJ Products, LLC shall incur no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.
3. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; if the product is damaged because it was not properly maintained as set forth in the instruction manual.
4. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic checkup. During the period specified above, ADJ Products, LLC will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
5. ADJ Products, LLC reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by ADJ Products, LLC in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product. This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.
6. Warranty Registration: Please register your product online: www.avanteaudio.com. Online product registration is required in order to activate the third year of the 3-year warranty. All returned service items, whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice and the unit must be registered online at www.avanteaudio.com to receive year 3 of the 3-year warranty. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support.

SAFETY GUIDELINES

This speaker is a sophisticated piece of electronic equipment. To guarantee a smooth operation, it is important to follow all instructions and guidelines in this manual. AVANTE is not responsible for injury and/or damages resulting from the misuse of this speaker due to the disregard of the information printed in this manual. Only qualified and/or certified personnel should perform the installation of this speaker and all included and/or optional rigging accessories. Only the original included and/or optional rigging parts and accessories for this speaker should be used for proper installation. Any modifications to the speaker, included and/or optional rigging parts and accessories will void the original manufactures warranty and increase the risk of damage and/or personal injury.



PROTECTION CLASS 1 – SPEAKER MUST BE PROPERLY GROUNDED

TO REDUCE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE ANY COVER. THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS SPEAKER.



DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURES WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS SPEAKER AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURES WARRANTY AND ARE NOT SUBJECT TO ANY WARRANTY CLAIMS AND/OR REPAIRS. NEVER OPEN THIS SPEAKER WHILE IN USE! UNPLUG POWER BEFORE SERVICING SPEAKER!

KEEP FLAMMABLE MATERIALS AWAY FROM SPEAKER!



DRY LOCATIONS USE ONLY!

DO NOT EXPOSE SPEAKER TO RAIN AND/OR MOISTURE!

DO NOT SPILL WATER AND/OR LIQUIDS ON OR INTO THE SPEAKER!

This speaker is for PROFESSIONAL USE ONLY! Read all **INSTRUCTIONS** and follow all **WARNINGS**!

DO NOT use speaker near wet and/or damp locations. Speaker must be kept away from direct contact with liquids and must not be exposed to water/liquid dripping or splashing.

DO NOT attempt installation and/or operation without knowledge how to do so. Consult a professional sound equipment installer for proper and safe speaker installation. ONLY the original included, and/or optional rigging parts and accessories listed in this manual should be used for proper installation and use.

DO NOT expose any part of the speaker to open flame or smoke, or position speaker close to any flammable materials while operating. Be sure to install this speaker in an area that will allow proper ventilation. Allow approximately 6 inches (152mm) behind the speaker cabinet for proper cooling. The speaker contains an internal power amplifier that produces heat during use. Keep speaker away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

DO NOT operate speaker if power cord is frayed, crimped, damaged, and/or if any of the power cord connectors are damaged and do not insert into the speaker securely with ease. NEVER force a power cord connector into the speaker. If the power cord or any of its connectors are damaged, replace it immediately with a new one of similar power rating.

DO NOT disassemble speaker, there are NO user serviceable parts inside. Refer all servicing to qualified service personnel. Servicing is required when the speaker has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled and/or objects have fallen into the speaker, the speaker has been exposed to rain and/or moisture, does not operate normally, or has been dropped.

DO NOT defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

SAFETY GUIDELINES

POWER SOURCES: This product must be connected to a power supply only of the type described in these operating instructions, or as marked on the unit. This product is Country Specific.

PROTECTIVE EARTHING TERMINAL: The speaker should be connected to a mains socket outlet with a protective earth-ground/earthing connection.

DISCONNECT DEVICE: The plug on the power cord is used as the disconnect device, and must remain readily available and operable.

ONLY handle power cord by the plug end, never pull the plug out by tugging the wire portion of the cord.

ALWAYS disconnect speaker from main power source before performing any servicing or cleaning procedure.

DO NOT use solvents or glass cleaner to clean speaker. Clean only with a dry cloth.

CAUTION: To avoid physical damage, read the installation instructions carefully before installation.

CAUTION: Listening to speakers at high volume for extended time or within immediate proximity may damage hearing.

CAUTION: Speakers should be installed/operated by qualified and trained professionals ONLY.

CAUTION: Always mount speakers in a safe and stable manner.

CAUTION: Wear appropriate safety equipment during speaker installation.

CAUTION: Route power and audio cables so that they are NOT likely to be walked on or pinched.

CAUTION: Unplug the speaker during lightning storms and/or when unused for long periods of time

CAUTION: The maximum environmental operating temperature is 35℃ (95℉).

ONLY use the original packaging materials and/or case to transport the speaker in for service.

PLEASE recycle shipping boxes and packaging whenever possible.

LIGNES DIRECTRICES DE SÉCURITÉ

Ce haut-parleur est un équipement électronique sophistiqué. Pour garantir un bon fonctionnement, il est important de suivre toutes les instructions et directives de ce manuel. AVANTE n'est pas responsable des blessures et/ou des dommages résultant d'une mauvaise utilisation de ce haut-parleur en raison du non-respect des informations imprimées dans ce manuel. Seul un personnel qualifié et/ou certifié doit effectuer l'installation de ce haut-parleur et de tous les accessoires de montage inclus et/ou en option. Seuls les pièces et accessoires d'origine inclus et/ou en option pour ce haut-parleur doivent être utilisés pour une installation correcte. Toute modification apportée à l'enceinte, aux pièces et accessoires de montage inclus et/ou en option annulera la garantie du fabricant d'origine et augmentera le risque de dommages et/ou de blessures.



CLASSE DE PROTECTION 1 - LE HAUT-PARLEUR DOIT ÊTRE CORRECTEMENT MIS À LA TERRE.



POUR RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE, NE RETIREZ AUCUN COUVERCLE. IL N'Y A AUCUNE PIÈCE RÉPARABLE PAR L'UTILISATEUR À L'INTÉRIEUR DE CET ENCEINTE. N'ESSAYEZ AUCUNE RÉPARATION VOUS-MÊME ; CELA ANNULERA LA GARANTIE DE VOTRE FABRICANT. LES DOMMAGES RÉSULTANT DES MODIFICATIONS APPORTÉES À CETTE ENCEINTE ET/OU DU NON-RESPECT DES CONSIGNES DE SÉCURITÉ ET DES DIRECTIVES DE CE MANUEL ANNULENT LA GARANTIE DU FABRICANT ET NE SONT SOUMIS À AUCUNE RÉCLAMATION ET/OU RÉPARATION AU TITRE DE LA GARANTIE. N'OUVREZ JAMAIS CETTE HAUT-PARLEUR LORSQU'ELLE EST UTILISÉE ! DÉBRANCHEZ L'ALIMENTATION AVANT DE RÉPARER L'ENCEINTE ! GARDEZ LES MATÉRIAUX INFLAMMABLES À L'ÉCART DU HAUT-PARLEUR !



UTILISATION EN ENDROITS SECS UNIQUEMENT !
NE PAS EXPOSER L'ENCEINTE A LA PLUIE ET/OU A L'HUMIDITE !
NE PAS RENVERSER D'EAU ET/OU DE LIQUIDES SUR OU DANS L'ENCEINTE !

Ce haut-parleur est destiné à un USAGE PROFESSIONNEL UNIQUEMENT ! Lis tout DES INSTRUCTIONS et suivez tout AVERTISSEMENTS!

NE PAS utilisez le haut-parleur à proximité d'endroits mouillés et/ou humides. Le haut-parleur doit être tenu à l'écart de tout contact direct avec des liquides et ne doit pas être exposé à des gouttes ou des éclaboussures d'eau/de liquide.

NE PAS tenter l'installation et/ou l'utilisation sans savoir comment procéder. Consultez un installateur professionnel d'équipement de sonorisation pour une installation correcte et sûre des haut-parleurs. SEULS les pièces et accessoires de gréement d'origine inclus et/ou en option répertoriés dans ce manuel doivent être utilisés pour une installation et une utilisation correctes.

NE PAS exposer n'importe quelle partie de l'enceinte à une flamme nue ou à de la fumée, ou positionner l'enceinte à proximité de matériaux inflammables pendant son fonctionnement. Assurez-vous d'installer cette enceinte dans une zone permettant une ventilation adéquate. Laissez environ 6 pouces (152 mm) derrière l'enceinte pour un refroidissement correct. Le haut-parleur contient un amplificateur de puissance interne qui produit de la chaleur pendant l'utilisation. Éloignez l'enceinte des sources de chaleur telles que les radiateurs, les registres de chaleur, les cuisinières ou d'autres appareils (y compris les amplificateurs) qui produisent de la chaleur.

NE PAS faites fonctionner l'enceinte si le cordon d'alimentation est effiloché, pincé, endommagé et/ou si l'un des connecteurs du cordon d'alimentation est endommagé et ne l'insérez pas correctement dans l'enceinte. Ne forcez JAMAIS un connecteur de cordon d'alimentation dans le haut-parleur. Si le cordon d'alimentation ou l'un de ses connecteurs est endommagé, remplacez-le immédiatement par un nouveau de puissance nominale similaire.

NE PAS démonter le haut-parleur, il n'y a AUCUNE pièce réparable par l'utilisateur à l'intérieur. Confiez toutes les réparations à un personnel de service qualifié. Une réparation est nécessaire lorsque l'enceinte a été endommagée de quelque manière que ce soit, par exemple si le cordon d'alimentation ou la fiche est endommagé, si du liquide a été renversé et/ou si des objets sont tombés dans l'enceinte, si l'enceinte a été exposée à la pluie et/ou à l'humidité, ne fonctionne pas normalement ou est tombé.

NE PAS annuler l'objectif de sécurité de la fiche polarisée ou de type mise à la terre. Une fiche polarisée a deux lames dont l'une est plus large que l'autre. Une fiche de type mise à la terre a deux lames et une troisième broche de mise à la terre. La lame large ou la troisième dent est prévue pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, consultez un électricien pour remplacer la prise obsolète.

LIGNES DIRECTRICES DE SÉCURITÉ

SOURCES D'ÉNERGIE: Ce produit doit être connecté à une alimentation électrique uniquement du type décrit dans ce mode d'emploi, ou tel qu'indiqué sur l'appareil. Ce produit est spécifique au pays.

BORNE DE TERRE DE PROTECTION: Le haut-parleur doit être connecté à une prise de courant avec une connexion terre/terre de protection.

DISPOSITIF DE DÉCONNEXION : La fiche du cordon d'alimentation est utilisée comme dispositif de déconnexion et doit rester facilement disponible et utilisable.

SEULEMENT Tenez le cordon d'alimentation par l'extrémité de la fiche, ne débranchez jamais la fiche en tirant sur la partie filaire du cordon.

TOUJOURS débranchez le haut-parleur de la source d'alimentation principale avant d'effectuer toute procédure d'entretien ou de nettoyage.

NE PAS utilisez des solvants ou un nettoyant pour vitres pour nettoyer le haut-parleur. Nettoyez uniquement avec un chiffon sec.

MISE EN GARDE: Pour éviter tout dommage physique, lisez attentivement les instructions d'installation avant l'installation.

MISE EN GARDE: Écouter des haut-parleurs à un volume élevé pendant une période prolongée ou à proximité immédiate peut endommager l'ouïe.

MISE EN GARDE: Les haut-parleurs doivent être installés/utilisés UNIQUEMENT par des professionnels qualifiés et formés.

MISE EN GARDE: Montez toujours les enceintes de manière sûre et stable.

MISE EN GARDE: Portez un équipement de sécurité approprié lors de l'installation des enceintes.

MISE EN GARDE: Acheminez les câbles d'alimentation et audio de sorte qu'ils NE soient PAS susceptibles d'être piétinés ou pincés.

MISE EN GARDE: Débranchez l'enceinte pendant les orages et/ou lorsqu'elle n'est pas utilisée pendant de longues périodes

MISE EN GARDE: La température ambiante maximale de fonctionnement est de 35℃ (95℉).

SEULEMENT utilisez les matériaux d'emballage et/ou l'étui d'origine pour transporter l'enceinte en vue de son entretien.

S'IL VOUS PLAÎT recyclez les cartons d'expédition et les emballages dans la mesure du possible.

MAINTENANCE GUIDELINES

Regular maintenance is necessary to optimize the potential functional lifespan of the speakers.

1. Read the installation and operation instructions for correct operation of the speakers.
2. Although the speakers are rugged and designed to withstand limited impact forces when installed correctly, take care to avoid impact damage when handling or transporting speakers, especially the speaker mesh screen.
3. The speakers should be serviced by a qualified service technician when:

A. Objects have fallen, or liquid has been spilled into the speaker.

B. Been exposed to rain or water conditions.

C. Does not appear to operate normally or exhibits a marked change in performance.

D. Has fallen and/or been subjected to extreme handling.

4. Check each speaker for loose screws and/or other fasteners.
5. If the speaker installation is fixed or displayed for a lengthy time, regularly inspect all rigging and installation equipment, and replace or repair it as necessary, and during long periods of non-use, disconnect the main power to the unit.
6. If while conducting an electrical test a circuit shorts, a breaker-switch trips, wires burn, and or any other abnormality appears, discontinue testing, and troubleshoot units to find the problem before continuing with any testing or operation.
7. The speakers are designed for dry locations use only.
8. When not in use, store speakers in a dry, well ventilated storage location.

FUSE REPLACEMENT

1. Turn off power
2. Unplug the power cable.
3. Unscrew fuse holder with flathead screwdriver.
4. Replace blown fuse iwth a new T4AL 250V fuse.
5. Reinstall fuse holder.
6. It is recommended that a spare fuse be readily available.
7. If refusing the fuse fails to work, contanct an amplifier repair professional.

DIRECTIVES D'ENTRETIEN

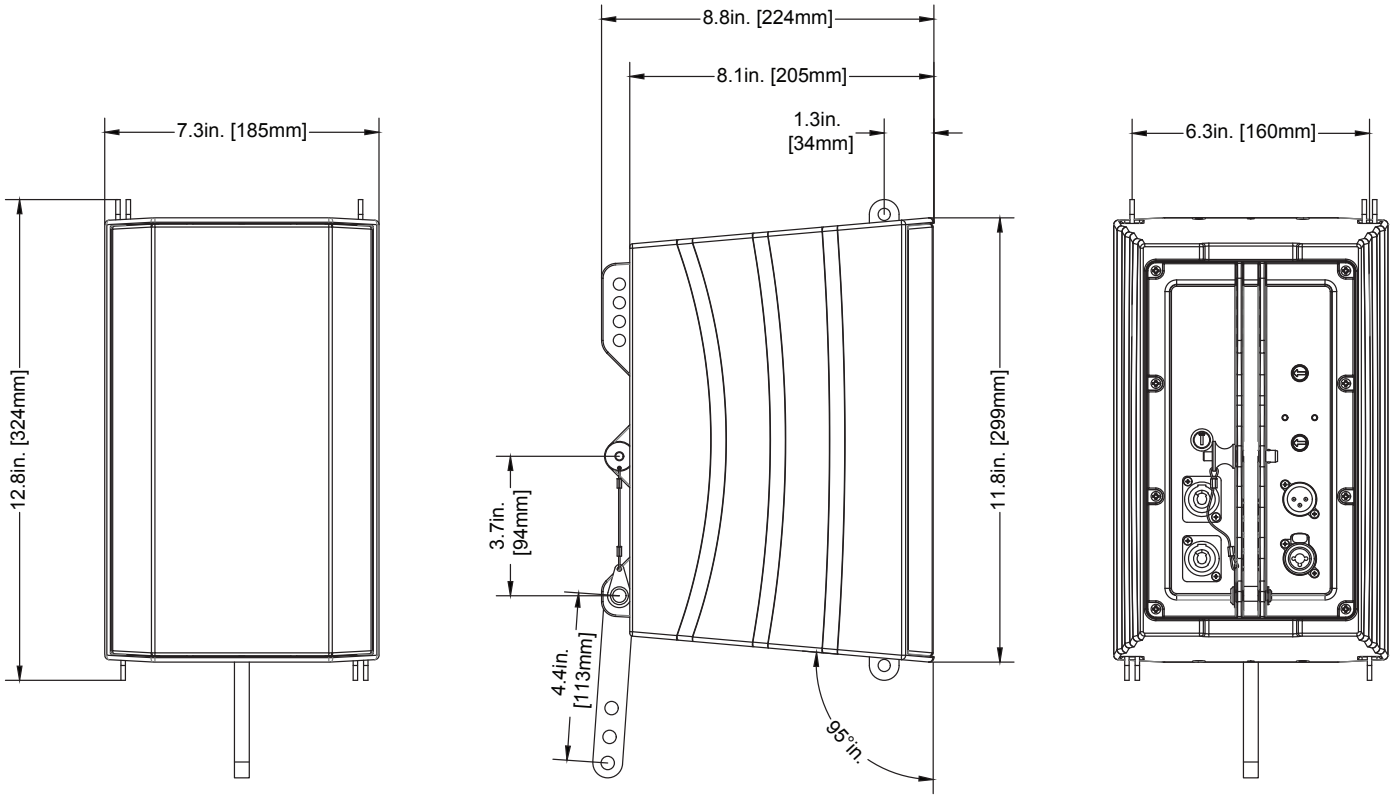
Un entretien régulier est nécessaire pour optimiser la durée de vie fonctionnelle potentielle des enceintes.

1. Lisez les instructions d'installation et d'utilisation pour un fonctionnement correct des enceintes.
2. Bien que les haut-parleurs soient robustes et conçus pour résister à des forces d'impact limitées lorsqu'ils sont installés correctement, veillez à éviter tout dommage lors de la manipulation ou du transport des haut-parleurs, en particulier le grillage des haut-parleurs.
3. Les haut-parleurs doivent être réparés par un technicien qualifié lorsque :
   A. Des objets sont tombés ou du liquide a été renversé dans le haut-parleur.
   B. Été exposé à la pluie ou à l'eau.
   C. Ne semble pas fonctionner normalement ou présente un changement marqué de performance.
   D. Est tombé et/ou a été soumis à des manipulations extrêmes.
4. Vérifiez chaque haut-parleur pour des vis et/ou autres fixations desserrées.
5. Si l'installation du haut-parleur est fixe ou affichée pendant une longue période, inspectez régulièrement tout le matériel de montage et d'installation, et remplacez-le ou réparez-le si nécessaire, et pendant de longues périodes de non-utilisation, débranchez l'alimentation principale de l'appareil.
6. Si, lors d'un test électrique, un court-circuit, un disjoncteur se déclenche, des fils brûlent et/ou toute autre anomalie apparaît, interrompez le test et dépannez les unités pour trouver le problème avant de poursuivre tout test ou opération.
7. Les haut-parleurs sont conçus pour une utilisation dans des endroits secs uniquement.
8. When not in use, store speakers in a dry, well ventilated storage location.

REMPLACEMENT DE FUSIBLE

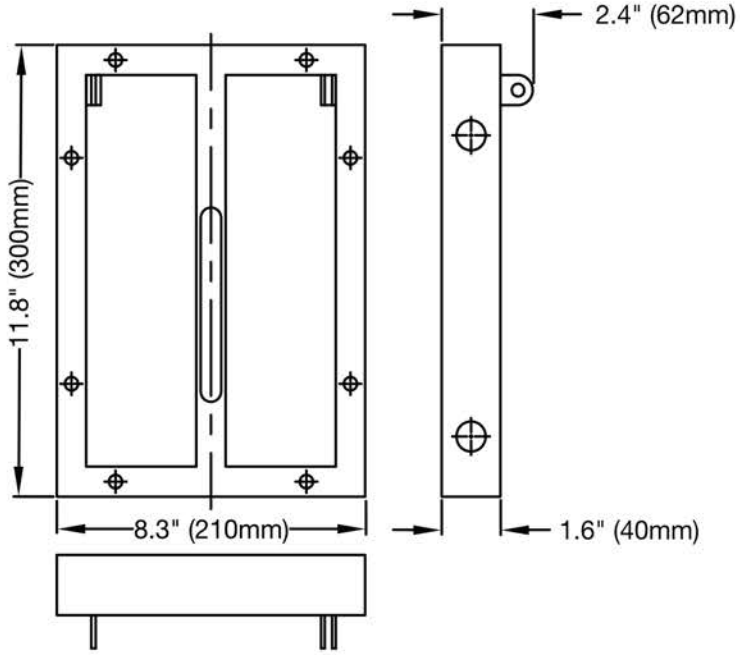
1. Éteignez l'alimentation.
2. Débranchez le câble d'alimentation.
3. Dévissez le porte-fusible avec un tournevis à tête plate.
4. Remplacez le fusible grillé par un nouveau fusible T4AL 250V.
5. Réinstallez le porte-fusible.
6. Il est recommandé qu'un fusible de rechange soit facilement disponible.
7. Si le refus du fusible ne fonctionne pas, contactez un professionnel de la réparation d'amplificateurs..

OVERVIEW - IMP205 DIMENSIONS

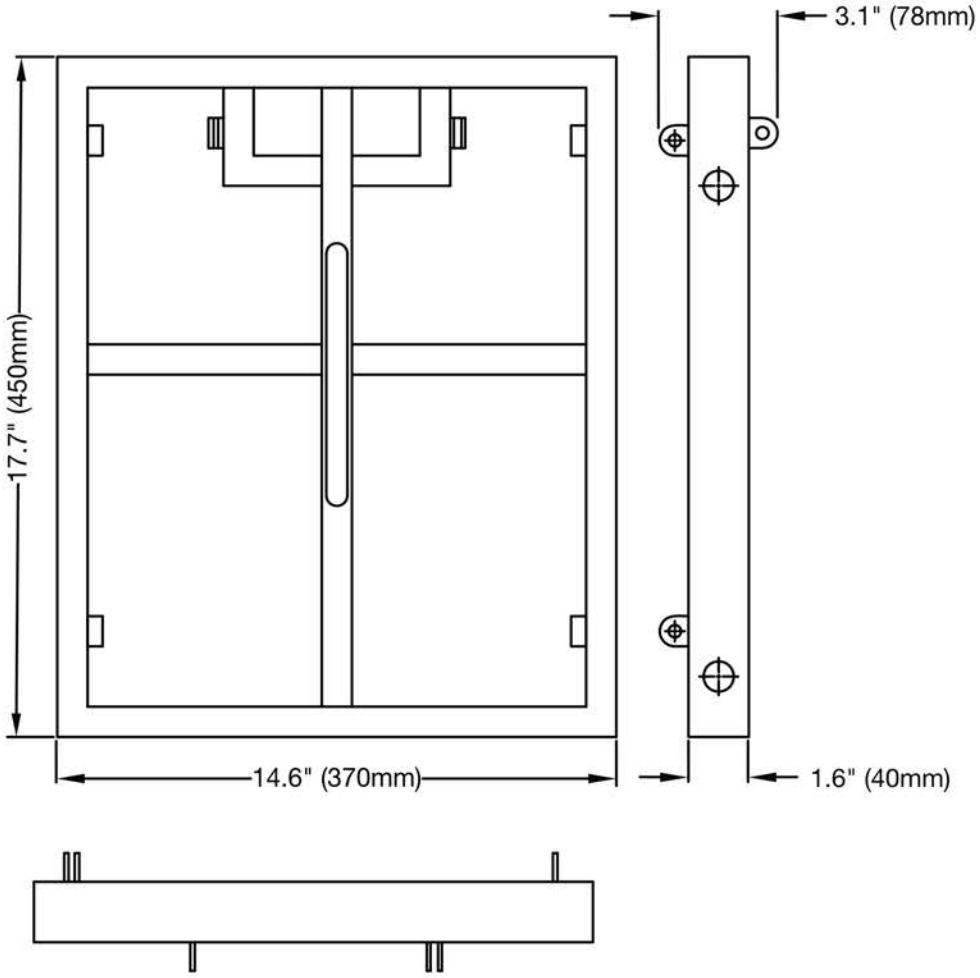


OVERVIEW - IMPERIO FLYBARS

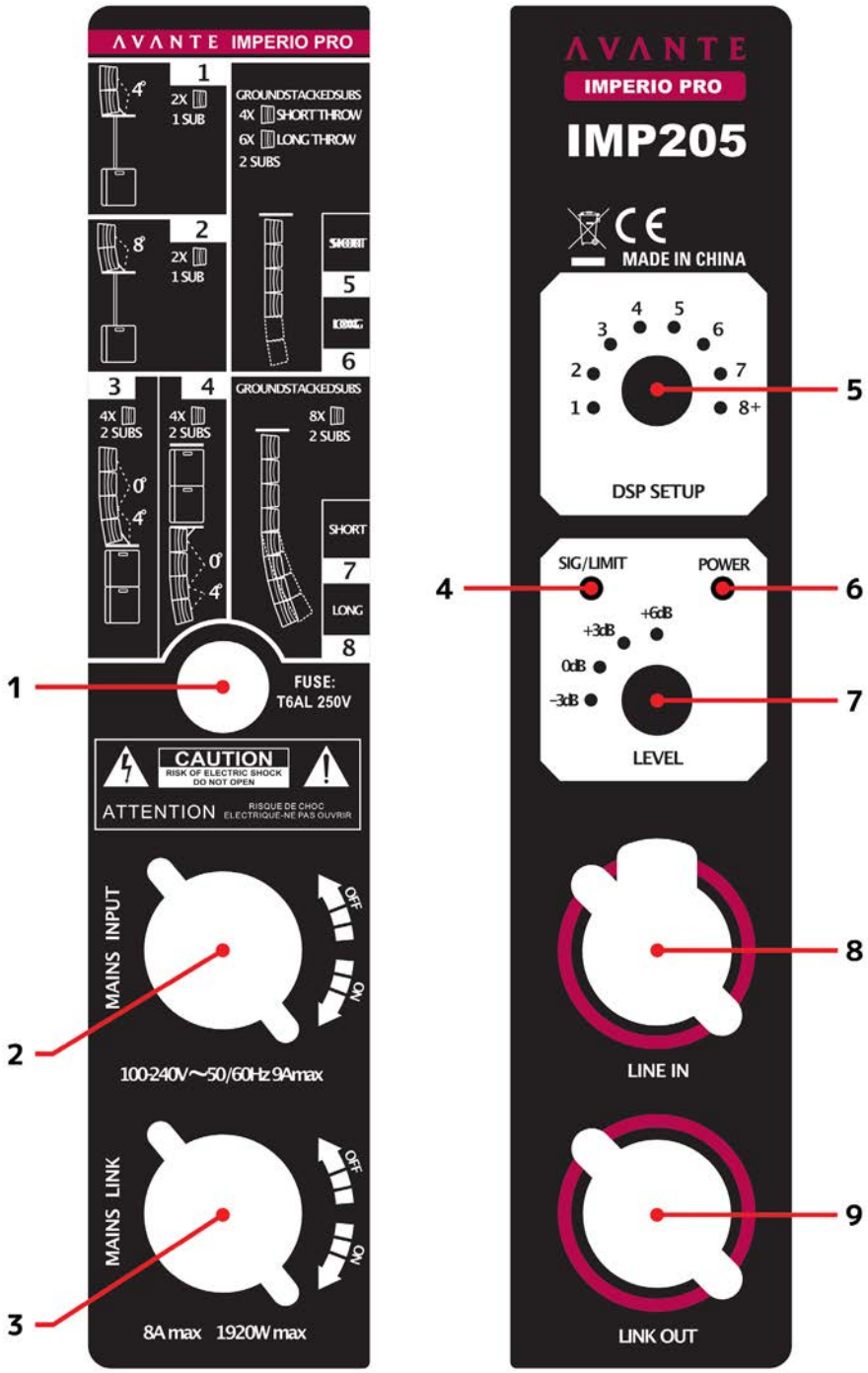
IMPERIO FLYBAR - SMALL
Sold Seperately



IMPERIO FLYBAR - LARGE
Sold Separetely



OVERVIEW – CONNECTIONS & CONTROLS

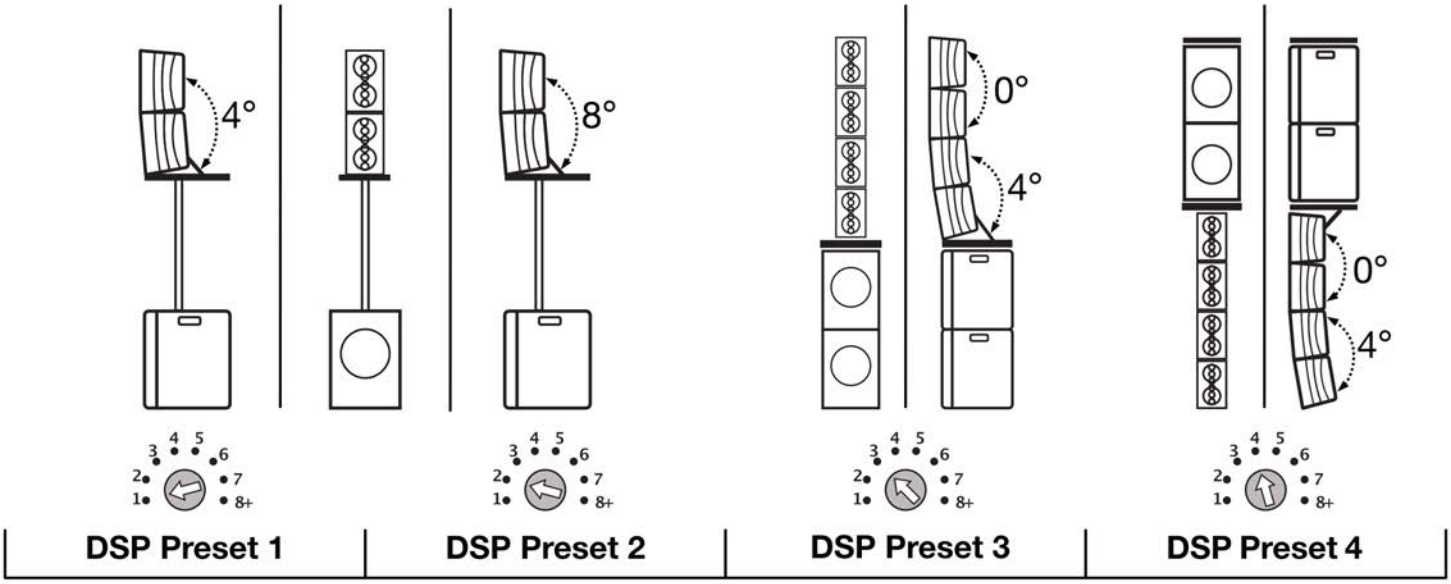


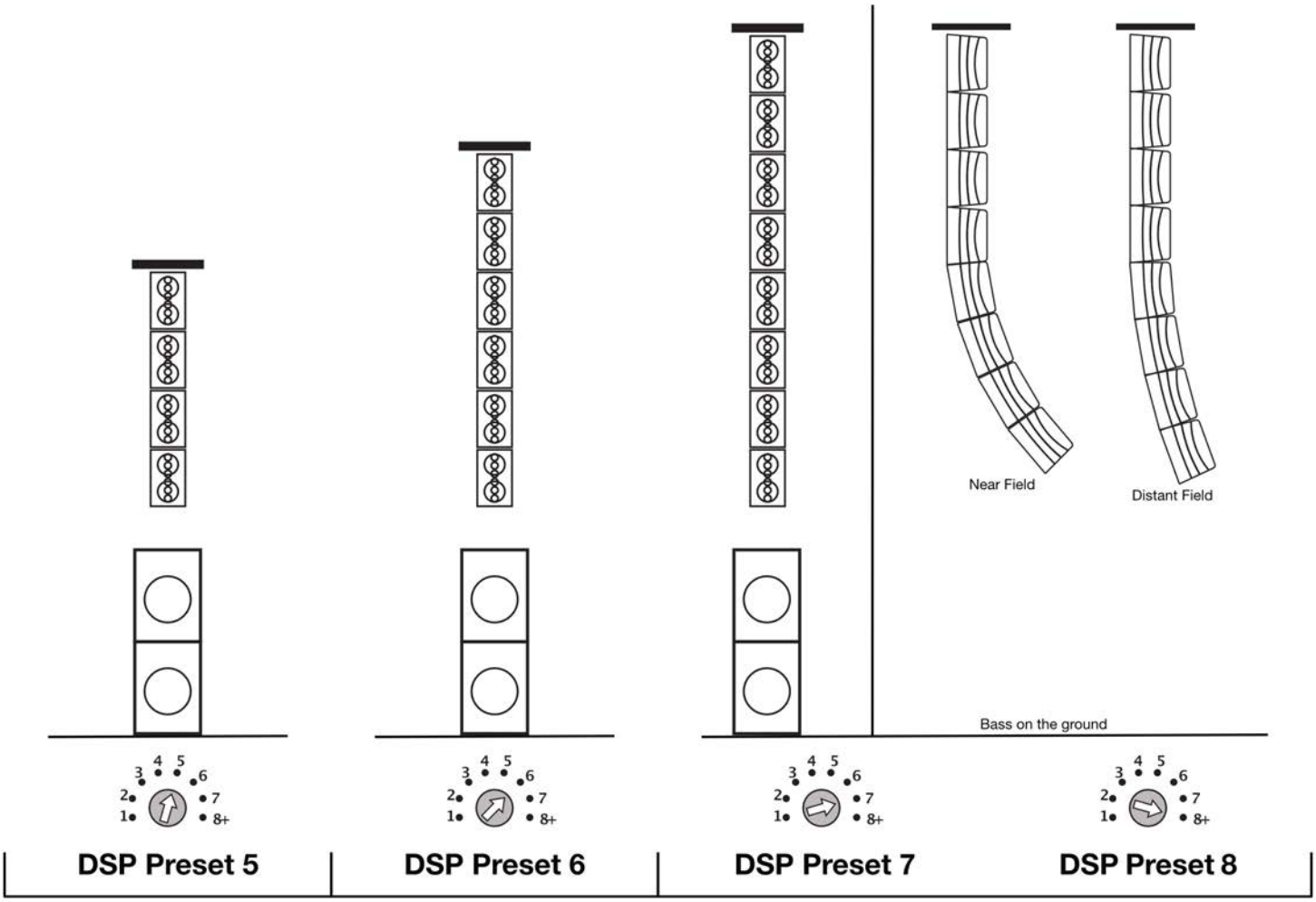
IMP205

1. FUSE: Slow-Blow 4.0 Amp 250V fuse (100-240V).
2. MAINS INPUT: Power input (+).
3. MAINS LINK: Power output (-). Output is connected in parallel with mains input (3) and can be used to power additional **IMP205** speakers.
4. SIG/LIMIT: Green indicates a signal ≥2 5dBu, and red indicates that the internal limiter circuit has tripped, preventing amplifier distortion and speaker overloads.
5. DSP SETUP: 8-position rotary switch selects between 8 equalization curve and DSP presets.
6. POWER: Blue indicates main power.
7. LEVEL: Control internal speaker volume (from -3dB to +6dB).
8. LINE IN: 3Pin XLR input connector (balanced line-level audio input).
9. LINK OUT: 3pin XLR output connector (balanced line-level audio output).

CONFIGURATION & DSP PRESETS

The **IMP205** speakers can be configured in various ways to optimize setup for crowd size and venue, whether pole-mounted on a standard speaker stand (not included), pole mounted on top of the sub, stacked on the sub, or flying attached to a rig.





CONFIGURATION & DSP PRESETS 1, 2, 3, 4

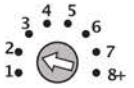








DSP Preset 1
Small Audience / Venue

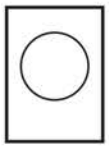


DSP Preset 2
Small Audience / Venue

Speakers



IMP205 (2x)



Sub (1x)

Accessories



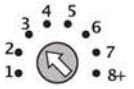
Imperio Sub Pole Adapter (1x)



Imperio Sub Pole (1x)





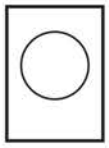


DSP Preset 3
Medium Audience / Venue

Speakers

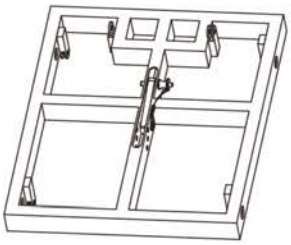


IMP205 (4x)

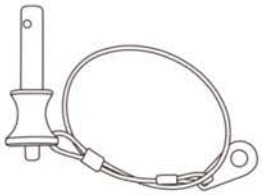


Sub (2x)

Accessories

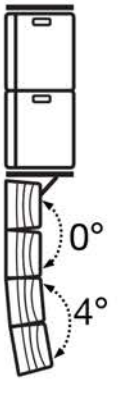


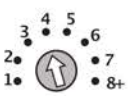
Imperio Flybar LG (1x)



Linkpin 2 (8x)





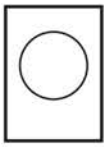


DSP Preset 4
Medium Audience / Venue

Speakers

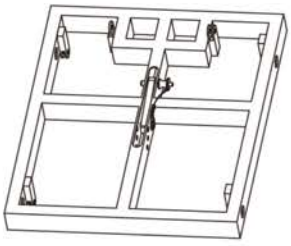


IMP205 (4x)

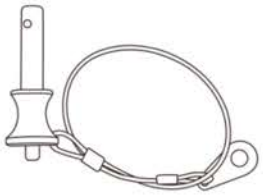


Sub (2x)

Accessories

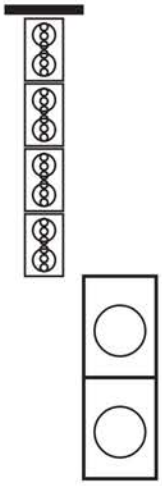


Imperio Flybar LG (1x)



Linkpin 2 (8x)

CONFIGURATION & DSP PRESETS 5, 6, 7, 8







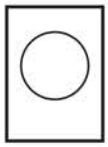
DSP Preset 5

Ground Stacked Subs
Medium Audience / Venue

Speakers



IMP205 (4x)



Sub (1x)

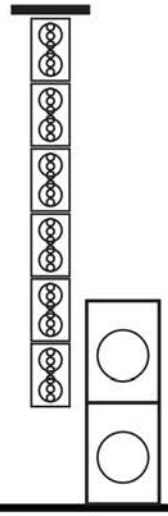
Accessories



Imperio Sub Pole Adapter (1x)



Imperio Sub Pole (1x)







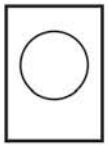
DSP Preset 6
Medium Audience / Venue

Ground Stacked Subs
Medium Audience / Venue

Speakers

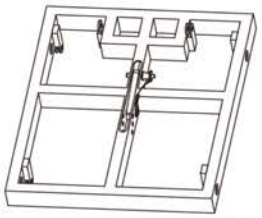


IMP205 (6x)



Sub (2x)

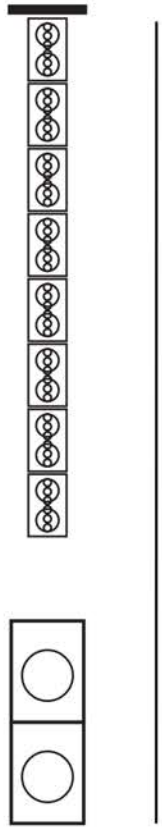
Accessories

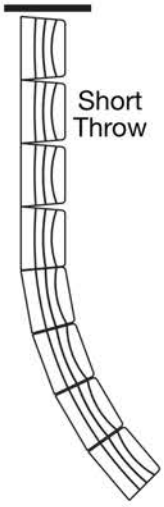


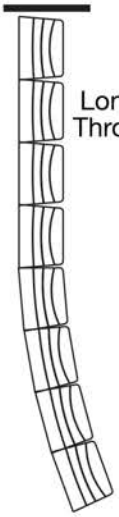
Imperio Flybar LG (1x)

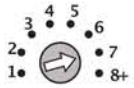


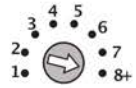
Linkpin 2 (8x)











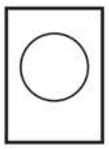
DSP Preset 7 **DSP Preset 8**

Ground Stacked Subs
Large Audience / Venue

Speakers

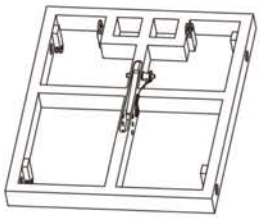


IMP205 (6x)

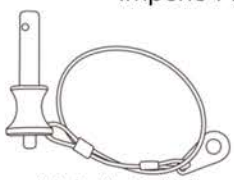


Sub (2x)

Accessories



Imperio Flybar LG (1x)



Linkpin 2 (8x)

INSTALLATION – RIGGING AND SUSPENSION



DO NOT INSTALL SPEAKERS IF YOU ARE NOT QUALIFIED TO DO SO!
INSTALLATION BY QUALIFIED TECHNICIANS ONLY!



INSTALLATIONS SHOULD BE CHECKED BY A QUALIFIED PERSON ONCE A YEAR!



FLAMMABLE MATERIAL WARNING
Keep speaker a minimum of 5.0 feet (1.5m) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS
A qualified electrician should complete all electrical connections and/or installations.



A MAXIMUM OF 12 IPERIO PRO speakers may be suspended from a SMALL FLYBAR.
A MAXIMUM OF 2 IMP205 Sub speakers may be suspended from a LARGE FLYBAR, plus A MAXIMUM OF 4 IMP205 speakers may be suspended from a LARGE FLYBAR attached to the bottom of the above mentioned 2 suspended sub speakers.



USE CAUTION WHEN POWER LINKING MULTIPLE SPEAKERS AS THE POWER CONSUMPTION OF OTHER SPEAKER MODELS MAY EXCEED THE MAX POWER OUTPUT ON THIS SPEAKER. CHECK SILK SCREEN ON SPEAKER FOR MAX AMPS.

WARNING! The safety and suitability of any lifting equipment, installation location/platform, anchoring/rigging/mounting method, hardware, and electrical installation is the sole responsibility of the installer.

Install speaker(s), all speaker accessories, and all anchoring/rigging/mounting hardware following all local, national, and country commercial, electrical, and construction codes and regulations.

Consult a professional equipment installer to determine if the metal truss/structure or surface is properly certified to safely support the combined weight of the speakers(s), clamps, cables, and all rigging hardware and accessories before rigging/mounting a single speaker or multiple interconnected speakers to any metal truss/structure.

Carefully consider item selection for rigging in unusual environmental conditions as rigging and suspension equipment could be subject to wear, misuse, overloading, corrosion, deformation, alteration, and other factors that may reduce their capacity rating.

Visually inspect metal truss/structure to ensure it does not flex and/or become deformed due to the weight of the speaker(s). Damage caused to speaker(s) through mechanical stress is not covered by warranty.

Install speakers(s) in areas outside walking paths, seating areas, or away from areas were unauthorized personnel might reach the speaker(s) by hand. Access under work area must be blocked.

INSTALLATION – RIGGING AND SUSPENSION

OVERHEAD RIGGING

Overhead rigging requires extensive experience, including amongst others, calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the speaker. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury and property damage. Regardless of local installation conditions, the following guidelines apply to all overhead rigging installations:

NEVER stand directly below the speaker(s) when rigging, removing or servicing.

To limit swinging or tipping the load when lifting the sub speaker(s) and/or Imperio speaker(s) into position when stacking, rigging, and/or suspending them using the available Imperio Flybar(s), determine the center of gravity of the overall assembly, then rig or suspend the load through a lifting point straight above the center of gravity. If using multiple rigging/anchor points and a single lifting point, ensure that all suspension load angles used are symmetrical about the lifting point with respect to the center of gravity so that load tensions are balanced between ropes, wires, chains, or cables.

Structural members, such as a truss system, must always be used to attach or suspend loads from a ceiling or to a wall. Never use a ceiling or wall surface itself to attach or suspend external loads, the catastrophic failure of which can or likely will result in potential structural/property damage, injury, or death.

Inspect/verify the structural integrity of the structural member used to suspend, hang, or support external loads by looking for hidden structural weaknesses.

Avoid using threaded fasteners in wooden structural members for suspending overhead loads (nails, screws, lag bolts, etc.). Threaded fasteners are inherently unreliable for suspending overhead loads, due in part to possible hidden structural weaknesses in the wood (cracks, knots, etc.).

Suspension points provided by the installation owner or third-party may not be adequate to lift or suspend the intended overhead loads.

You **must** consult an expert, such as a structural engineer or rigging specialist, if there is even the slightest question or doubt about the structural integrity of any part of the installation.
Take all appropriate precautions and safety measures when placing equipment in potentially dangerous locations, especially where public safety is a concern.

INSTALLATION – OVERVIEW

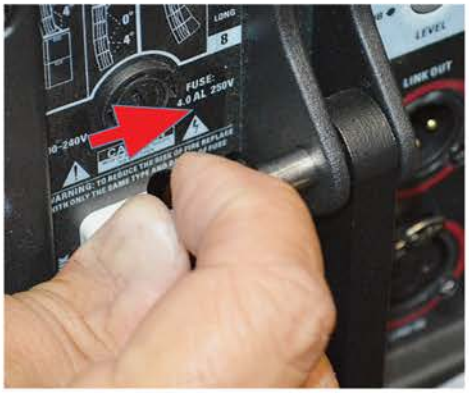


Secure front of **IMP205** speaker to **Imperio Sub Adapter** using **Linkpin 1** locking pins.

Adjust the throw angle by attaching the integrated adjustable mounting bracket from speaker to desired throw angle mounting hole on the **Imperio Sub Adapter**, and secure with **Linkpin 2** locking pins.



Secure front of top **IMP205** speaker to top of bottom **IMP205** speaker using **Linkpin 1**.



Pull **Linkpin 2** from integrated adjustable mounting bracket of the top **IMP205** speaker.

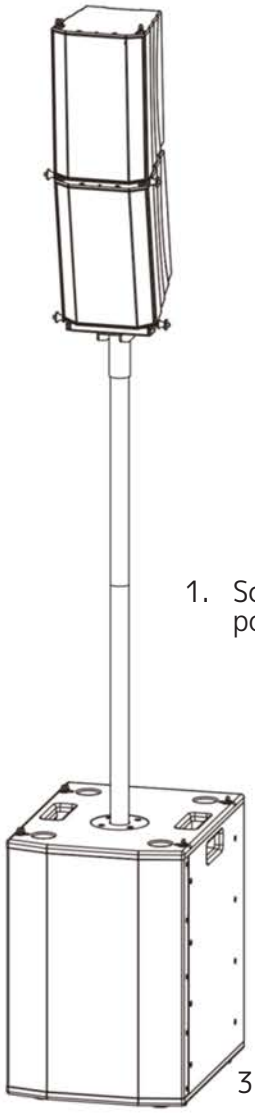


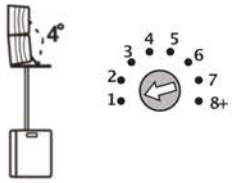
Swing integrated adjustable mounting bracket down.



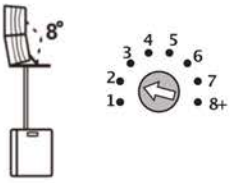
Adjust throw angle by attaching integrated adjustable mounting bracket from **IMP205** speaker, swinging it down to desired throw angle mounting hole on bottom **IMP205** speaker or Flybar, secure with **Linkpin 2**.

INSTALLATION – DSP 1 & 2

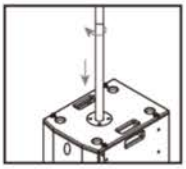




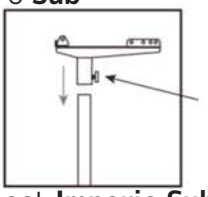
1 **DSP SETUP**
Sub (1x)
IMP205 (2x)



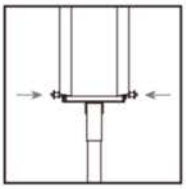
2 **DSP SETUP**
Sub (1x)
IMP205 (2x)



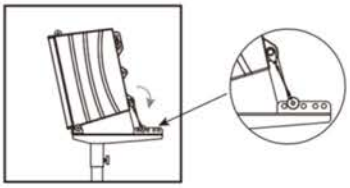
1. Screw pole assembly into threaded pole socket o **Sub**



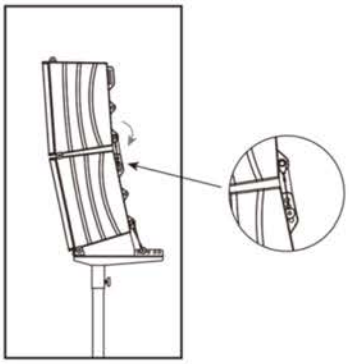
2. Connect **Imperio Sub Adapter** to the pole assembly.



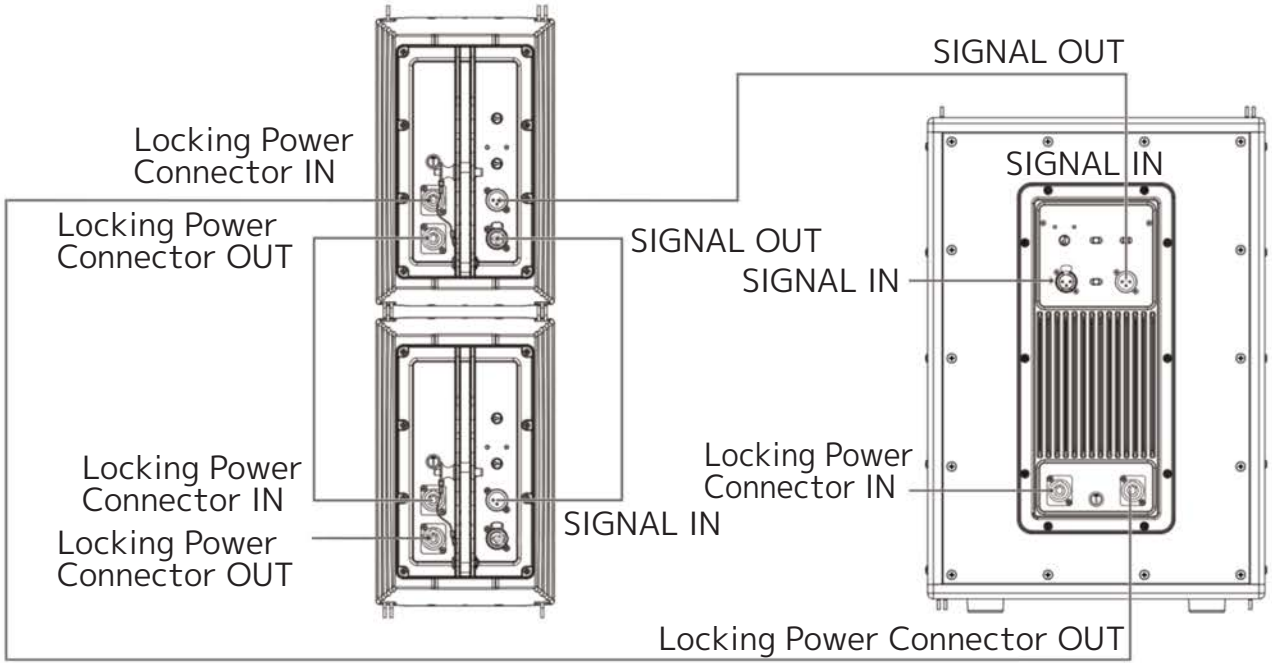
3. Use **Linkpin 1** to secure **IMP205** Speaker and mount assembly to **Imperio Sub Adapter**.



4. Flip back-bracket down and insert **Linkpin 2** into desired hole of the **Sub Adapter.**



5. Stack second **IMP205** speaker and secure front holes with **Linkpin 1**, select desired throw angle, then secure with **Linkpin 2**.



INSTALLATION – DSP PRESET 3

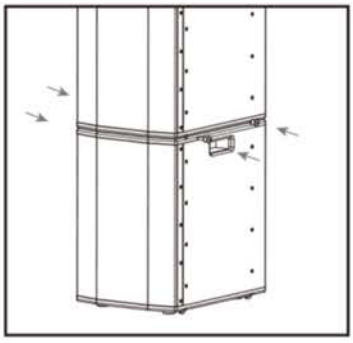




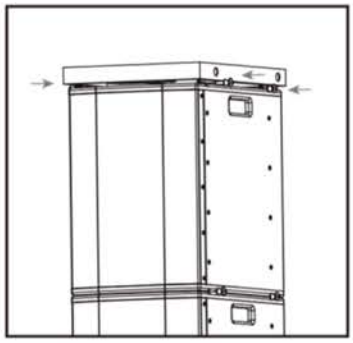


3 **DSP SETUP**
Subs (2x)
IMP205 (4x)

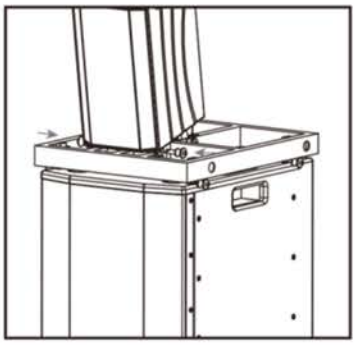




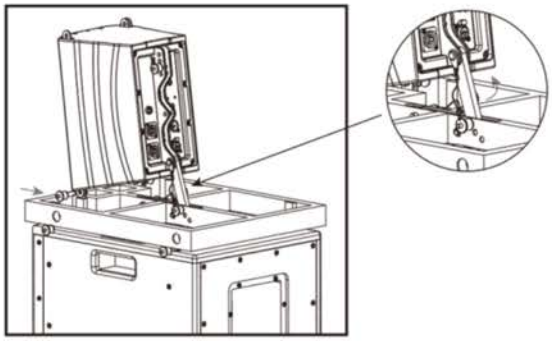
1. With 2X stacked **Subs**, secure them with **Linkpin 1** locking-pins, and connect with power and XLR cables.



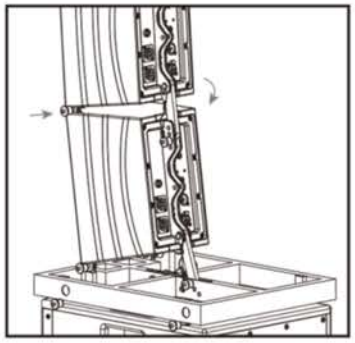
2. Locate **Imperio Flybar LG** on top stacked sub and secure with **Linkpin 2** locking-pins.



3. Position **IMP205** speaker on **Imperio Flybar LG** and secure front holes with **Linkpin 1** locking-pins.



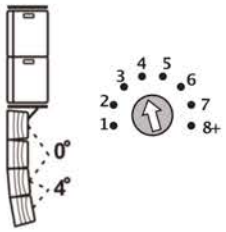
4. Flip back-bracket down & select desired throw angle by inserting **Linkpin 2** locking-pin into corresponding hole of **Imperio Flybar LG**.



5. Stack second **IMP205** speaker, secure front holes with Linkpin 1 locking-pins, then select desired throw angle and secure with **Linkpin 2** locking-pin.

INSTALLATION – DSP PRESET 4

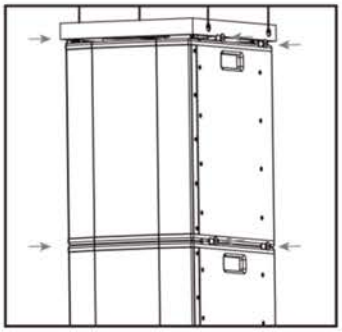




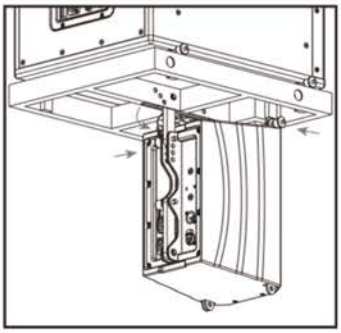
4

DSP SETUP
Sub (2x)
Imperio (4x)

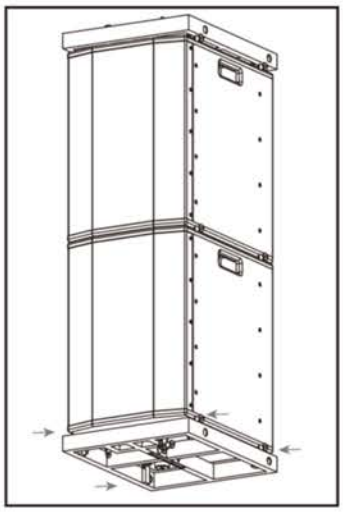




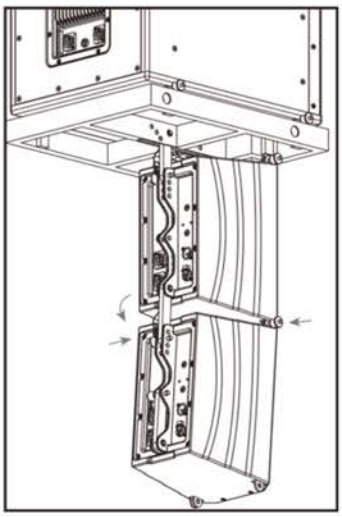
1. Secure top **Sub** to **Imperio Sub Flybar** with **Linkpin 2** locking-pins, then secure second hanging **Sub** with **Linkpin 1** locking-pins.



3. Position **IMP205** speaker underneath **Imperio Flybar LG** & secure front holes with **Linkpin 1** locking-pins, and bracket with **Linkpin 2** locking-pins.



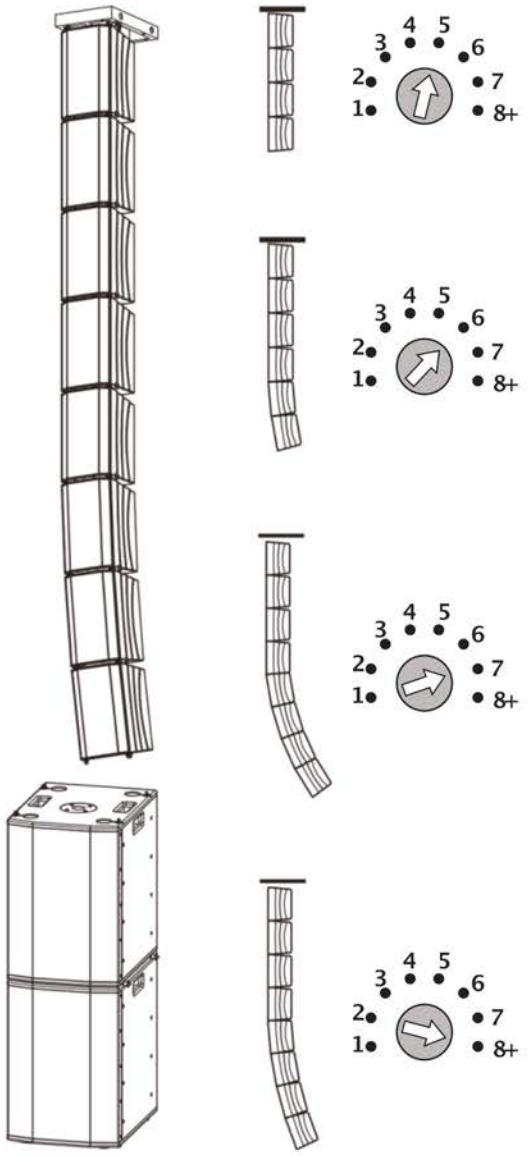
2. Secure **Imperio Sub Flybar** underneath bottom (hanging) sub & secure with **Linkpin 2** locking-pins.



4. Hang second **IMP205** speaker and secure front holes with **Linkpin 1** locking-pins & adjust throw bracket by select desired throw angle, and secure with **Linkpin 2** locking-pins.

INSTALLATION – DSP PRESET 5, 6, 7, 8



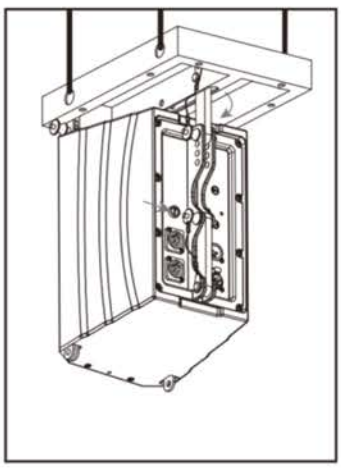


DSP SETUP
Sub (2x)
5 **IMP205** (4x)

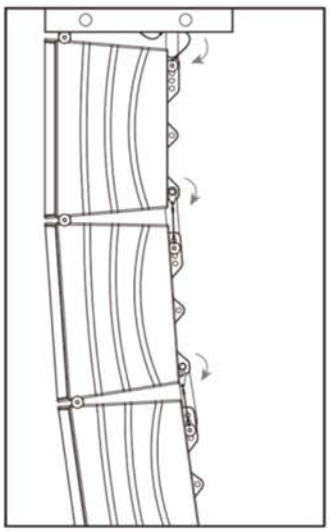
DSP SETUP
Sub (2x)
6 **IMP205** (6x)

DSP SETUP
Sub (2x)
7 **IMP205** (8x)

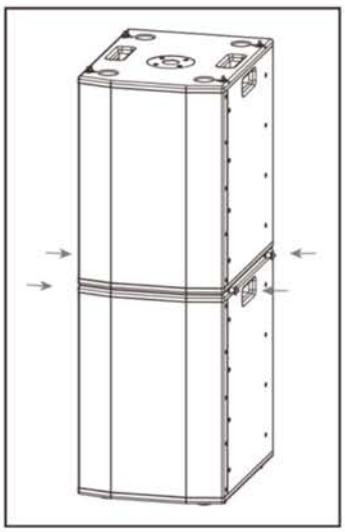
DSP SETUP
Sub (2x)
8+ **IMP205** (8x)



1. Suspend & secure **Imperio Flybar Small**, secure top front of **IMP205** speaker with **Linkpin 1** locking-pins, swing adjustable mounting bracket up, select throw angle and secure with **Linkpin 2** locking-pin.

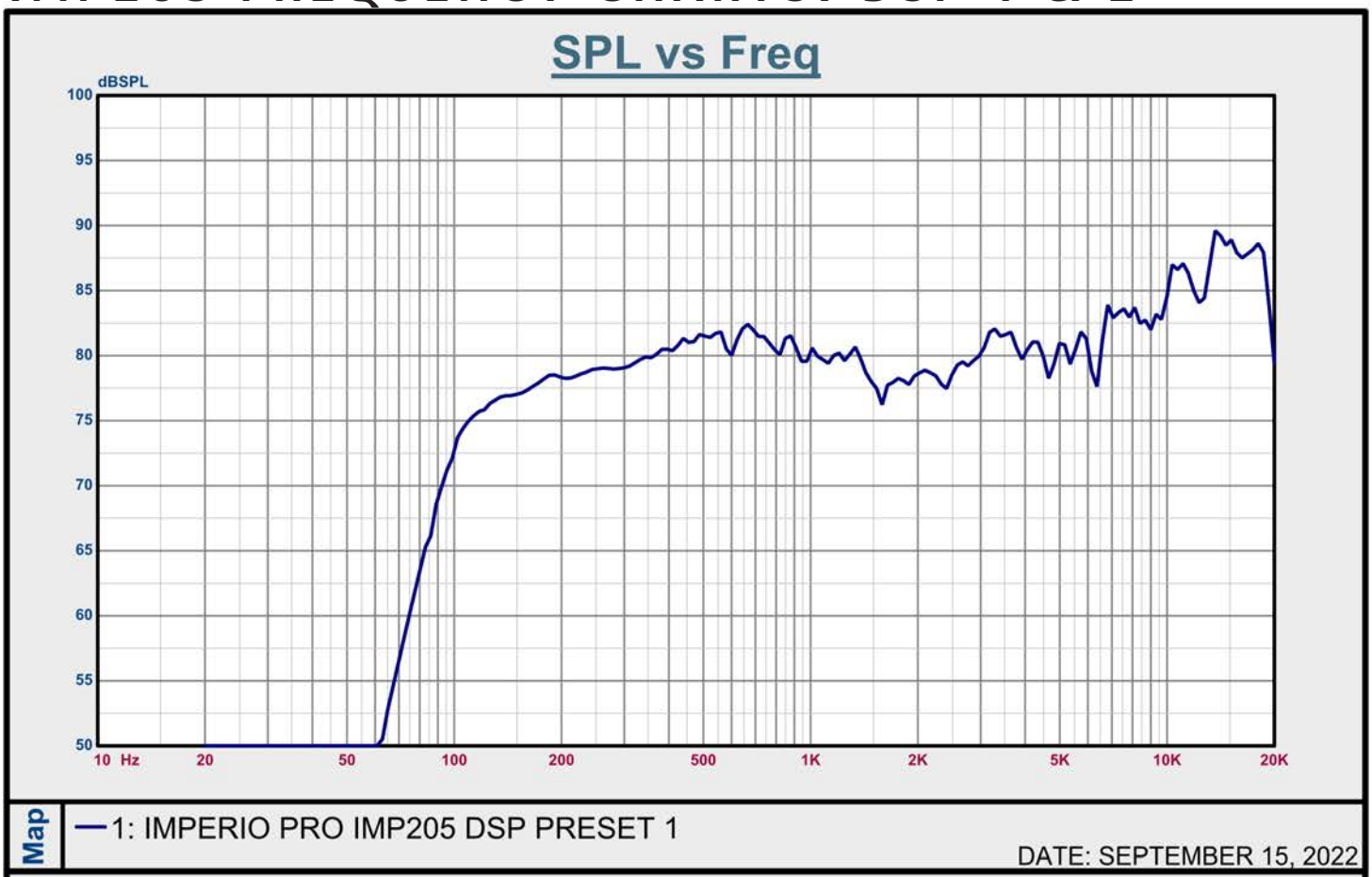


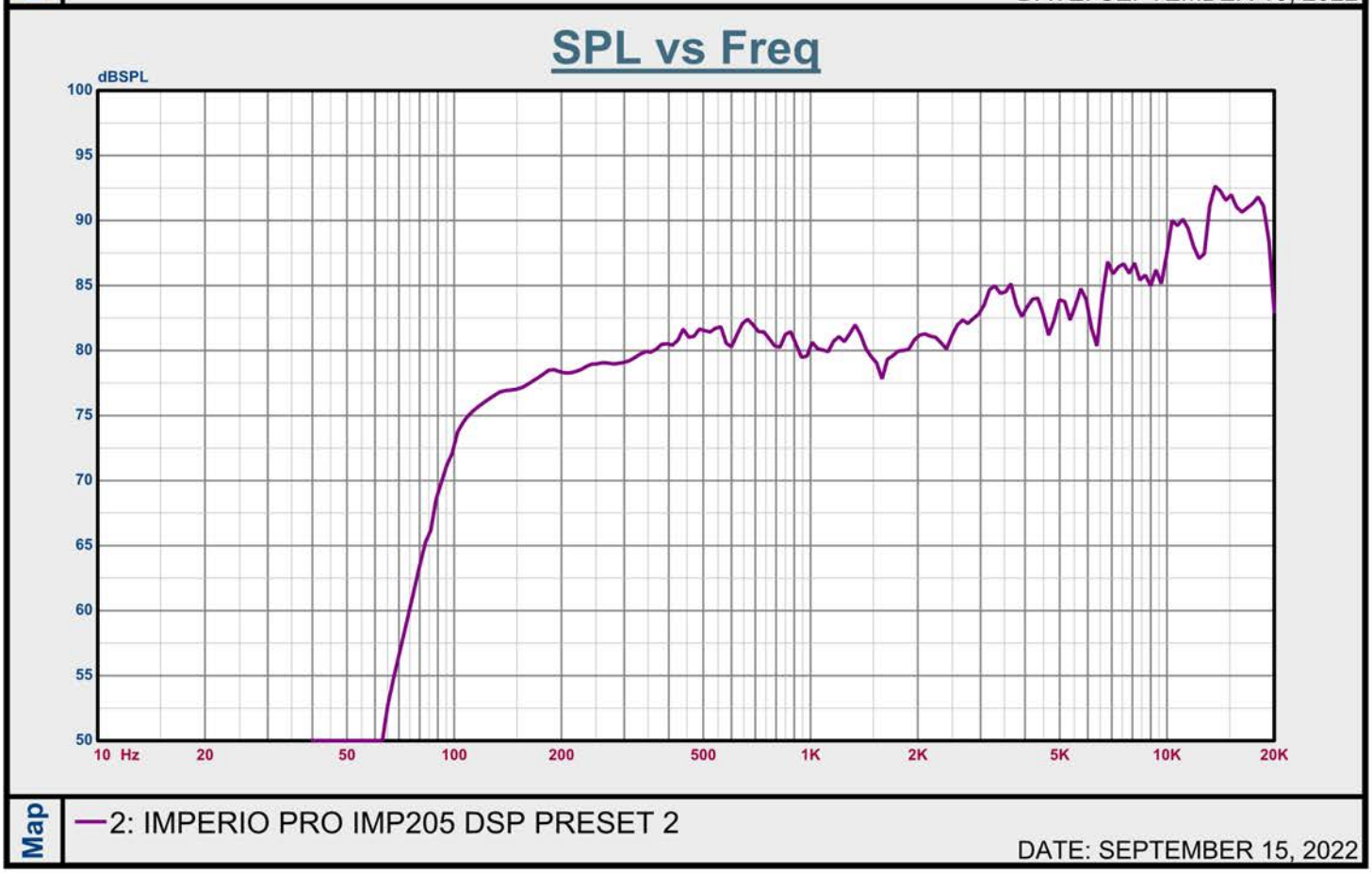
2. Hang each successive **IMP205** speaker and secure with **Linkpin 1** locking-pins, select desired throw angle, & secure with **Linkpin 2** locking-pin.



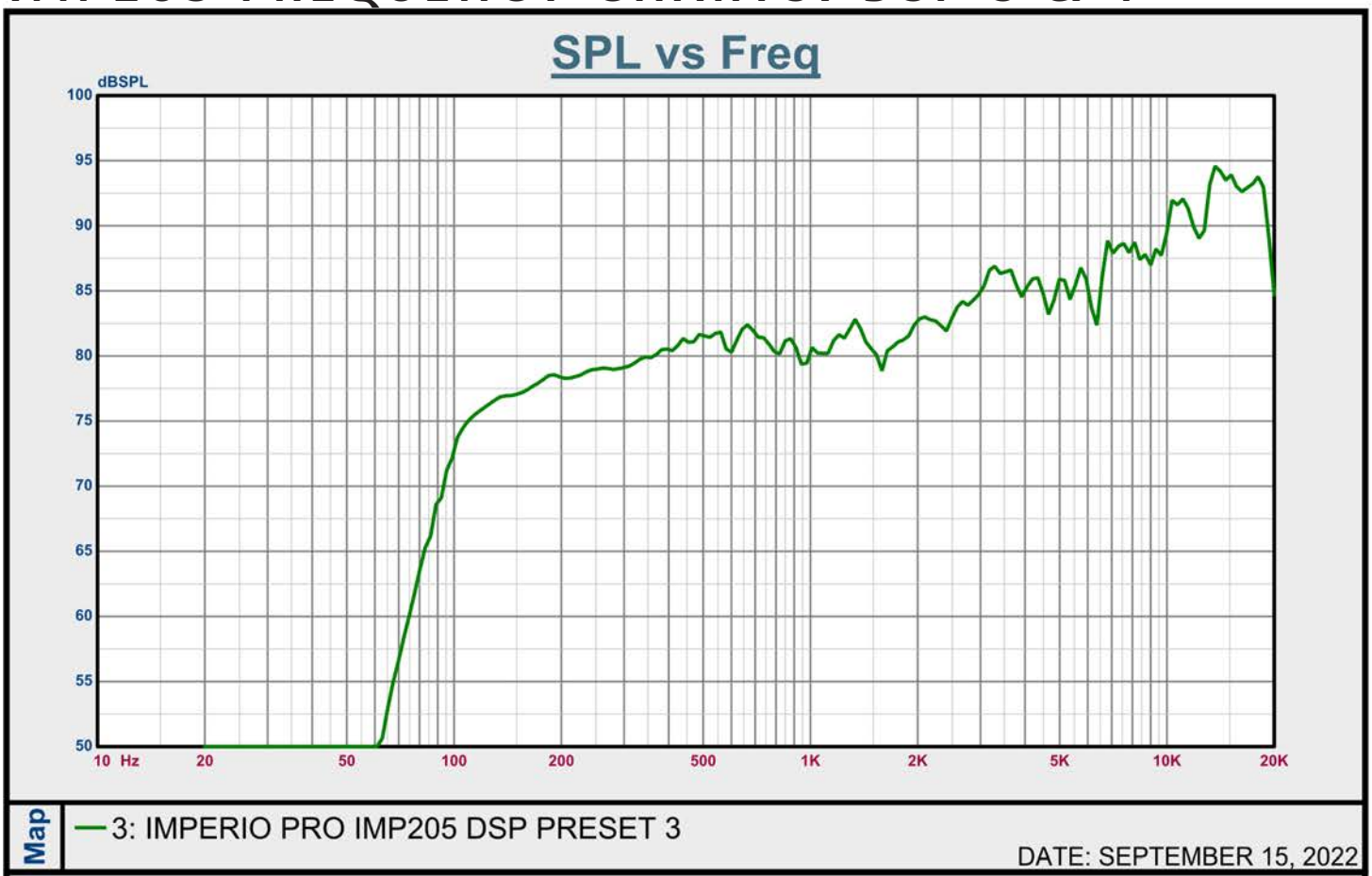
3. Stack (2x) **Subs**, connect power and signal cables, and secure with **Linkpin 1** locking-pins.

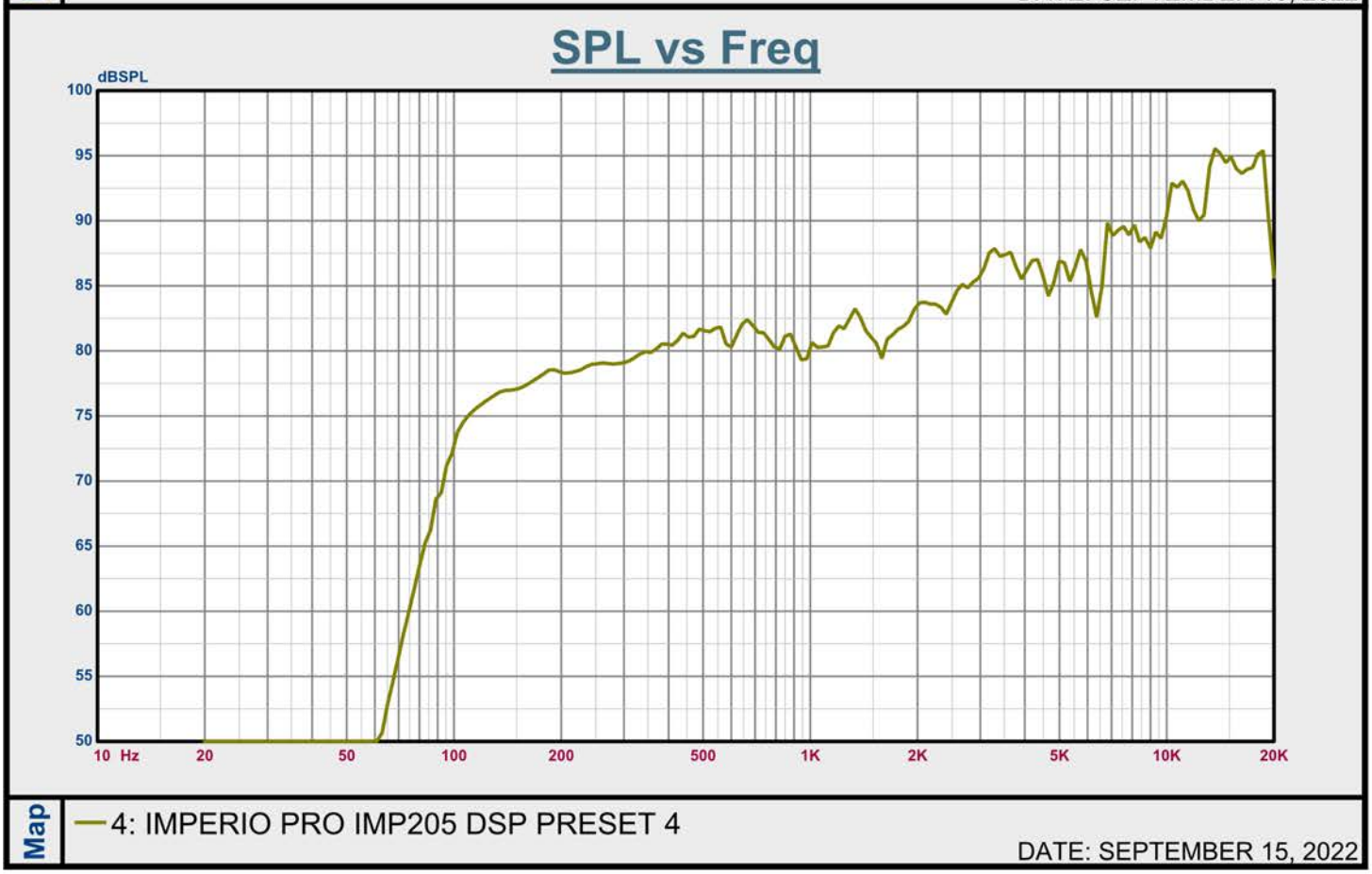
IMP205 FREQUENCY CHARTS: DSP 1 & 2



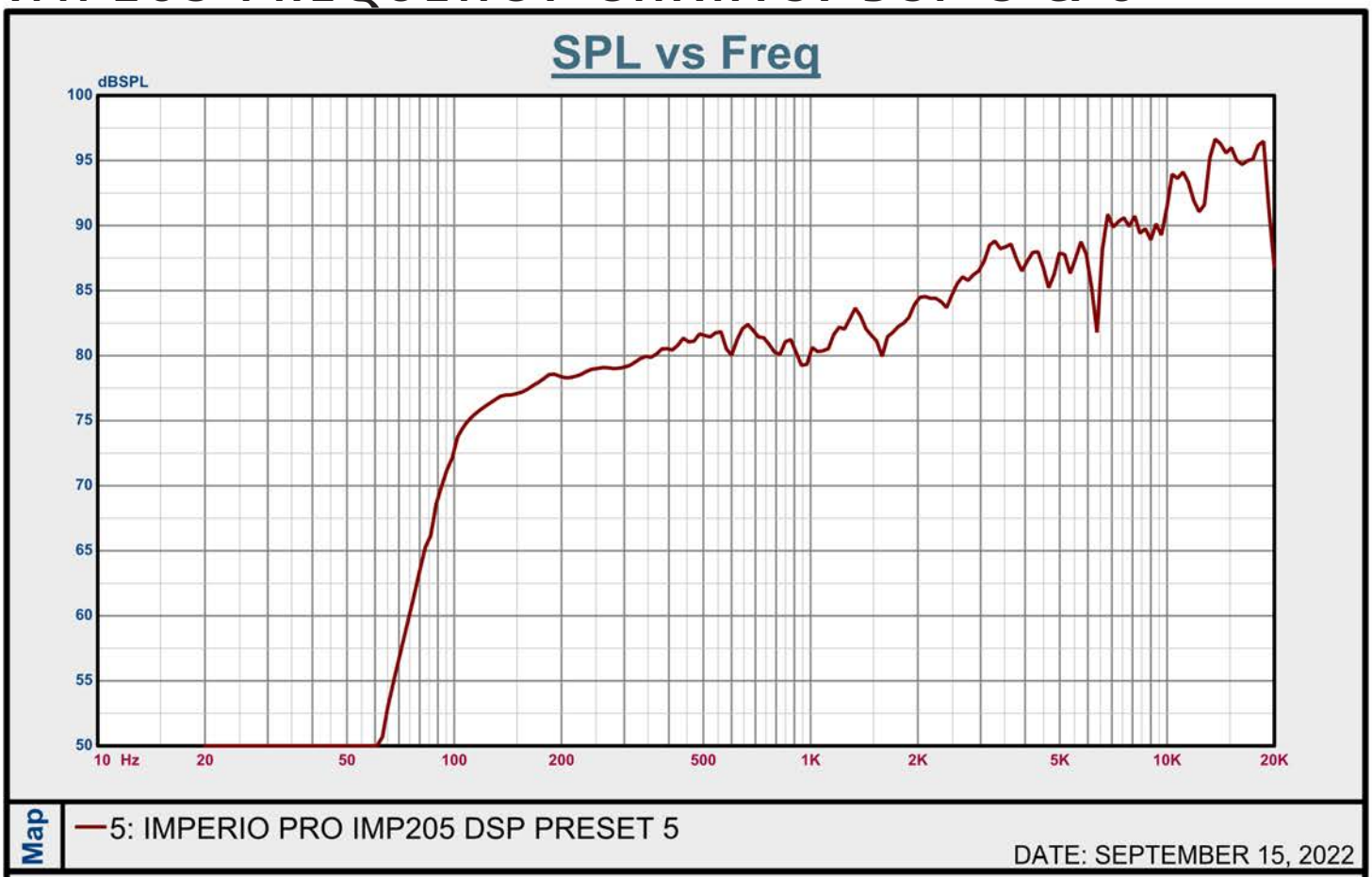


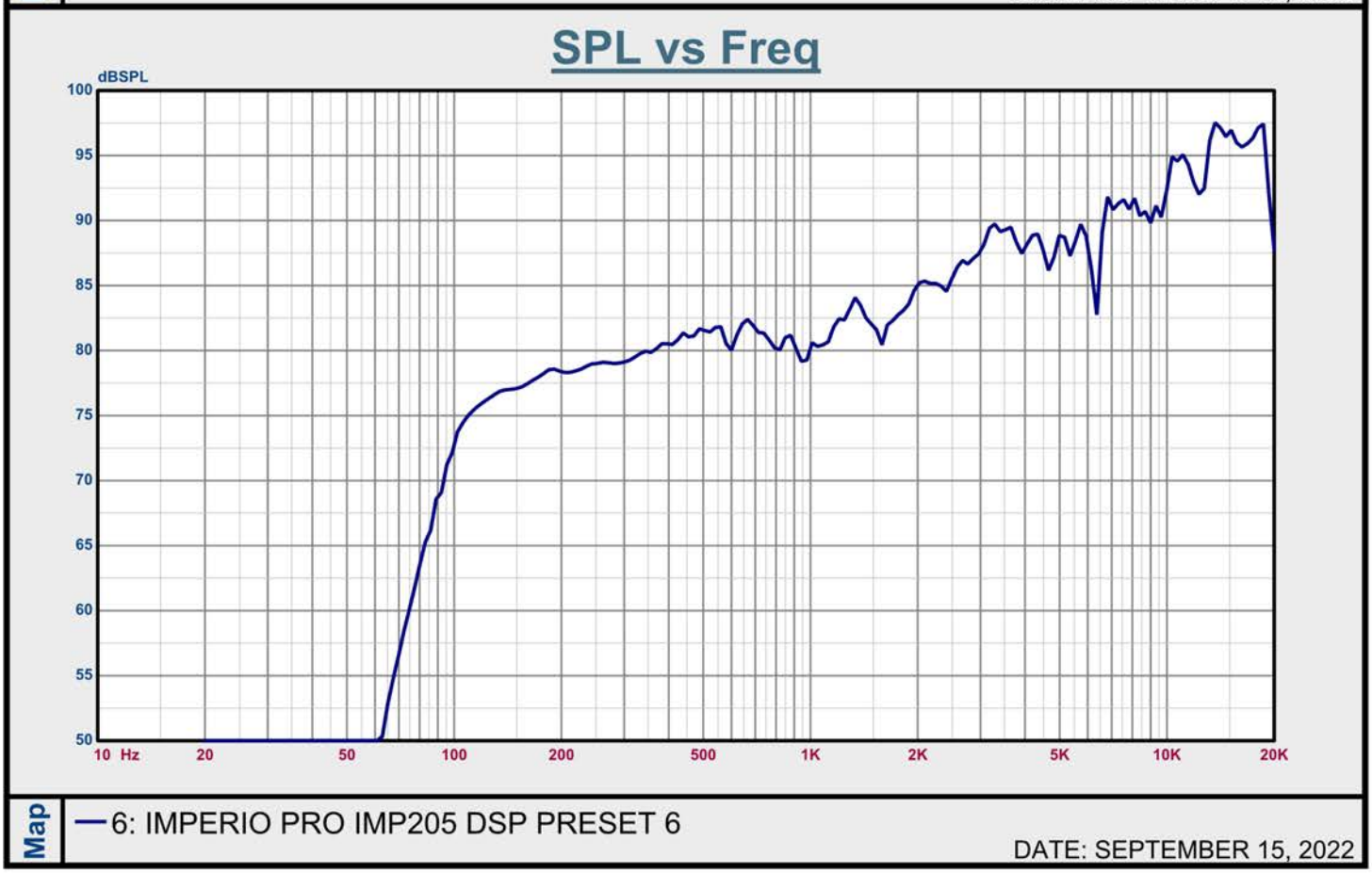
IMP205 FREQUENCY CHARTS: DSP 3 & 4



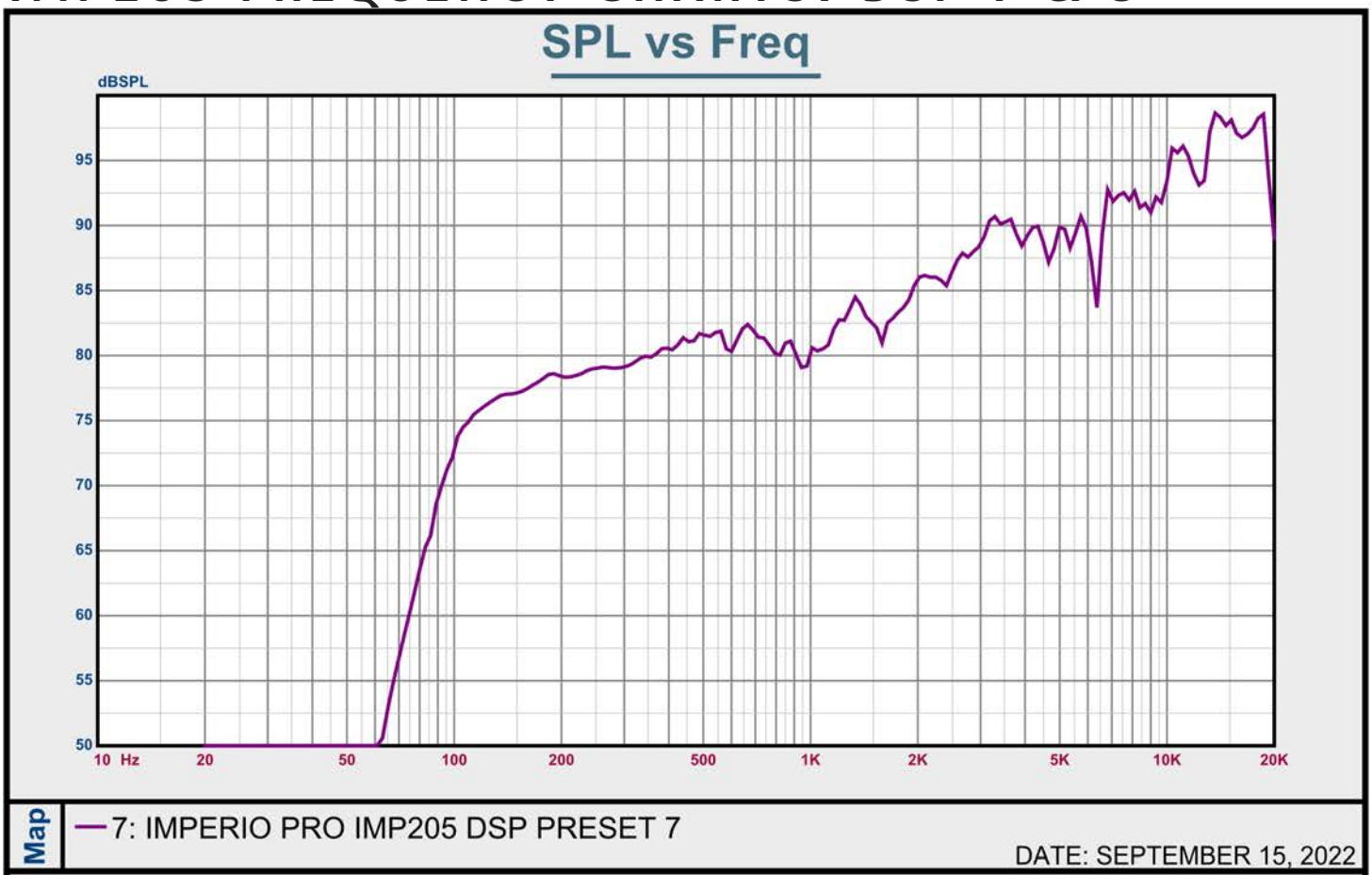


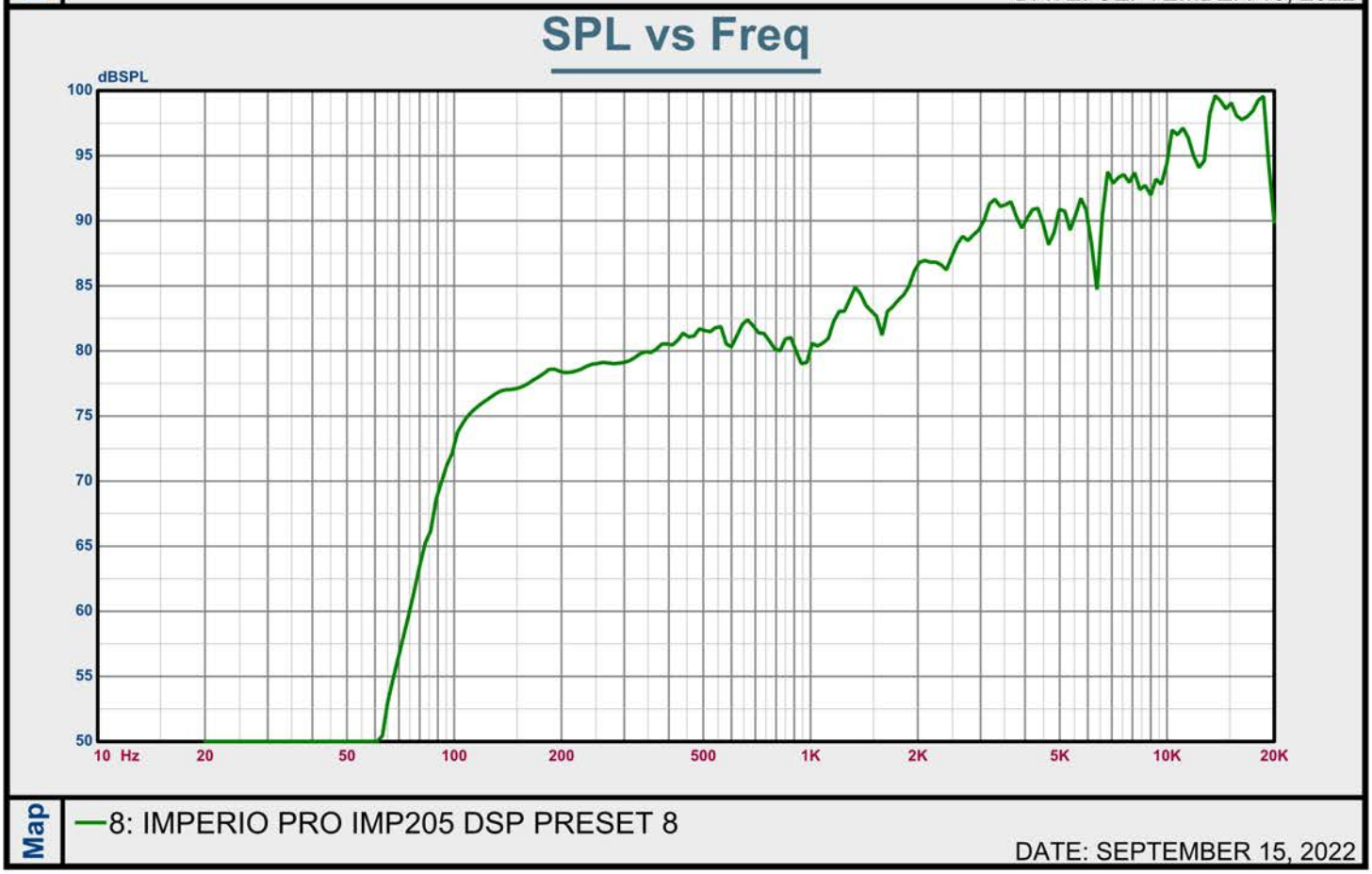
IMP205 FREQUENCY CHARTS: DSP 5 & 6





IMP205 FREQUENCY CHARTS: DSP 7 & 8





SPECIFICATIONS

Please visit avanteaudio.com for up to date iinformation.

AMPLIFIER:

- 440W RMS, 1700W Peak Class D Amplifier Module
- Switching Power Design
- LED Power / Signal / Clip Indicator
- 32-bit DSP with FIR digital filters
- Selectable System Configurations
- Input: 1x XLR and Locking Power Connector
- Output: 1x XLR and Locking Power Connector
- Gain: Selectable Input Sensitivity
- Power Input: 100-240V ~ 50/60Hz

SPEAKER:

- 2x 5.0" Neodymium Low-Mid transducers.
- 6x 1.75" IDVAT HF Neodymium drivers (Inverted Dome Vertical Array Technology)
- Type: 2-Way Active Closed Design
- Frequency Response: 100Hz – 20KHz
- Max Output SPL: 128dB (single box measured on Axis @1m)
- Selectable Input Sensitivity: -3dB, 0dB, 3dB, 6dB
- Cabinet: ABS Plastic
- Grill: Powder coated Steel
- Splay Angles: 0, 2, 4, 6, 8,10, & 12-degrees
- Integrated Rigging: Yes
- Horizontal Dispersion Angle: 100^{0}
- Dimensions (LxWxH): 8.8" x 7.3" x 12.8" / 224mm x 185mm x 324mm
- Weight: 12.5 lbs. / 5.6 kg.

Specifications subject to change without any prior written notice, zero SLA.

ORDERING INFORMATION

Model # (SKU)	Description
IMP205	IMP205 SPEAKER
SUB210	IMPERIO SUB210 (120V)
SUB180	IMPERIO SUB210 WHITE (120V)
IMP340	Linkpin 2 (4 Pack)
IMP496	IMPERIO FLYBAR SMALL
IMP178	IMPERIO FLYBAR SMALL WHITE
IMP265	IMPERIO FLYBAR LG
IMP369	IMPERIO FLYBAR LG WHITE
IMP210	IMPERIO POLE, WHITE (with Mounting Adaptor)
IMP194	IMPERIO POLE (with Mounting Adaptor)
IMP211	ADJUSTABLE IMPERIO POLE (with Mounting Adaptor)

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RADIO FREQUENCY INTERFERENCE WARNINGS & INSTRUCTIONS

This product has been tested and found to comply with the limits as per Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device uses and can radiate radio frequency energy and, if not installed and used in accordance with the included instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be deter- mined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following methods:

- Reorient or relocate the device.
- •ncrease the separation between the device and the receiver.
- Connect the device to an electrical outlet on a circuit different from which the radio receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!