



# NT206L User Manual

# NT206L User Manual

## IMPORTANT SAFETY INSTRUCTIONS - READ THIS FIRST

Read and heed all warnings and safety instructions in this manual before using this product. Failure to follow these precautions may result in damage, injury, or death.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a dry cloth.
- 7) Do not block any amplifier ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- 9) 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.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. In addition, use only with the Caster Pallets and flybars specified by the manufacturer, or sold with the apparatus. When a Caster Pallet is used, use caution when moving the apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, does not operate normally, or has been dropped.
- 15) The AC Mains PowerCon True1 connector (the appliance coupler) is used as the disconnect device. This connector shall remain readily accessible and operable.
- 16) **DO NOT ATTEMPT TO OPEN THE AMPLIFIER ITSELF; IT IS NOT USER-SERVICEABLE.**  
  
WARNING: The loudspeaker is supplied with an AC mains power cable. Depending on the voltage model ordered, this cable is configured with the most common ac mains connector for that voltage. If the connector is not compatible with the local ac mains receptacle, employ a licensed electrician to re-configure the cable with the proper connector. Ensure that ac power supply has a properly grounded safety ground. Failure to follow this warning could cause equipment damage, injury, or death.
- 17) Do not use at altitude exceeding 2000m above sea level.

# NT206L User Manual

## CONSIGNES DE SÉCURITÉ – À LIRE EN PREMIER



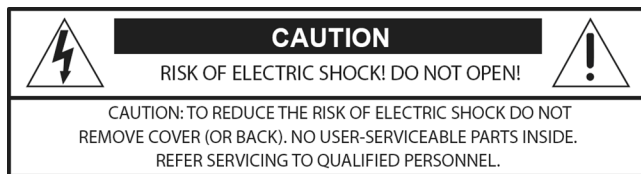
Intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure, that may be of significant magnitude to constitute a risk of electric shock.



Indicates the need to consult the instructions for use for important cautionary information such as warnings and precautions that cannot be presented on the product itself.

### Instructions Relative à la Sécurité

Lisez et respectez toutes les consignes de sécurité et les mises en garde fournies dans le manuel des enceintes EAW avant d'utiliser ce produit. Le non-respect de ces consignes et mises en garde peut entraîner des dommages aux équipements et des accidents aux personnes pouvant être fatals.



**ATTENTION:** Si l'alimentation secteur connecteurs sur ce produit ne sont pas compatibles avec l'AC locale secteur Embase, employer un électricien agréé pour fournir le connecteur et la tension appropriée à l'interface avec le produit. Assurez-vous que l'alimentation en courant alternatif a une terre de sécurité à la terre. Le non-respect de cet avertissement peut causer des dommages, des blessures ou la mort.

**ATTENTION:** Si ce produit contient une batterie au lithium, danger d'explosion si la pile au lithium est remplacée de façon incorrecte. Ne tentez pas de remplacer la batterie vous-même.

### PRECAUZIONI DI SICUREZZA - DA LEGGERE PER PRIMO

#### Norme di Sicurezza

Prima di procedere con l'utilizzo del prodotto, leggere e rispettare ogni avvertenza e norma di sicurezza riportata nel "Manuale EAW Loudspeaker". Il mancato rispetto di ogni precauzione può causare danni all'apparecchiatura, nonché infortuni alle persone o la morte.

**ATTENZIONE:** Se i connettori di rete AC su questo prodotto non sono compatibili con il CA locale di rete presa, impiegare un elettricista per fornire il connettore corretto e la tensione di interfacciarsi con il prodotto. Assicurarsi che l'alimentazione CA ha una terra di sicurezza a terra. La mancata osservanza di questa indicazione può causare danni, lesioni o morte.

**ATTENZIONE:** Se questo prodotto contiene una batteria al litio, pericolo di esplosione se la batteria al litio non è sostituita correttamente. Non tentare di sostituire la batteria da soli.

### PRECAUCIONES DE SEGURIDAD - LEA EST O PRIMERO

#### Instrucciones de Seguridad

Lea y observe todos los avisos e instrucciones de seguridad que aparecen en el "Manual de altavoces EAW" adjunto antes de usar este aparato. El no observar esta precaución puede dar lugar a averías en el aparato, daños en las personas o incluso la muerte.

**PRECAUCION:** Si los conectores de red eléctrica de CA de este producto no son compatibles con el CA local de red receptáculo, emplear un electricista autorizado para proporcionar el conector y el voltaje para interactuar con el producto. Asegúrese de que la fuente de alimentación de CA tiene una conexión a tierra a tierra adecuada. El incumplimiento de esta advertencia podría causar daños, lesiones o muerte.

# NT206L User Manual

**PRECAUCIÓN:** Si este producto contiene una batería de litio, peligro de explosión si la batería de litio se sustituye de forma incorrecta. No intente reemplazar la batería usted mismo.

## SICHERHEITSHINWEISE - LESEN SIE DIESEN ABSCHNITT ZUERST

### Sicherheitsanweisungen

Lesen und beachten Sie alle Warnungen und Sicherheitsanweisungen der mitgelieferten "EAW Lautsprecher Bedienungsanleitung" vor der Benutzung des Produkts. Nichtbeachtung dieser Hinweise können möglicherweise zu Schäden am Equipment oder zu Verletzungen bzw. zum Tod von Personen führen.

**WARNING:** Wenn die AC-Netzstecker auf diesem Produkt nicht kompatibel sind mit der lokalen Netzsteckdose Netz, verwenden einen Elektrofach den richtigen Anschluss und Spannung als Schnittstelle mit dem Produkt zur Verfügung zu stellen. Stellen Sie sicher, dass die Stromversorgung einwandfrei geerdete Schutzterde hat. Die Nichtbeachtung dieser Warnung kann zu Schäden, Verletzungen oder zum Tod führen.

**ACHTUNG:** Falls dieses Produkt eine Lithium-Batterie, Explosionsgefahr enthält, wenn Lithium-Batterie falsch eingesetzt wird. Versuchen Sie nicht, die Batterie selbst zu ersetzen.

**CAUTION:** If this product contains a lithium battery there is a danger of explosion if lithium battery is incorrectly replaced. Do not attempt to replace the battery yourself.

### Electrical Warnings

#### AC Mains Supply

Read all instruction and cautionary notes concerning electrical power in this document.

#### ALIMENTATION SECTEUR

Lisez toutes les instructions et mises en garde concernant les notes d'énergie électrique dans le présent document.

#### ALIMENTAZIONE AC

Leggi tutte le note di istruzione e di cautela in materia di energia elettrica in questo documento

#### FUENTE DE ALIMENTACIÓN

Lee todas las notas de instrucciones y advertencias relativas a la energía eléctrica en este documento.

#### NETZSTROMVERSORGUNG

Alle Anweisung und Hinweise bezüglich elektrischer Energie in diesem Dokument.

# NT206L User Manual

## AC Mains Cable

If the AC mains connectors on this product are not compatible with the local AC mains receptacle, employ a licensed electrician to provide the proper connector and voltage to interface with the product. Ensure that the AC power supply has a properly grounded safety ground. Failure to follow this warning could cause damage, injury, or death.

Ensure that AC power supply has a properly grounded safety ground. Failure to follow this warning could cause equipment damage, injury, or death.

## Cordon secteur

Il se peut que le format de la fiche secteur ne corresponde pas à celui de votre situation géographique. Dans ce cas, faites appel à un électricien agréé pour qu'il remplace la fiche par une autre du bon format. Respectez les normes électriques de câblage locales.

Assurez-vous que la ligne secteur dispose d'une terre. Le non-respect de cette précaution peut entraîner des dommages aux équipements et des accidents aux personnes pouvant être fatals.

## Cavo d'alimentazione AC

Il connettore del cavo d'alimentazione AC fornito in dotazione potrebbe non essere adeguato per le prese di corrente impiegate nell'area in cui il diffusore viene utilizzato. In questo caso, contattare un elettricista qualificato per sostituire la presa di corrente con una dotata di connessione adeguata. Per il cablaggio, occorre seguire la codifica corretta utilizzata nell'area d'utilizzo.

Assicurarsi che la presa d'alimentazione sia correttamente collegata a terra. Il mancato rispetto di tali avvertenze potrebbe causare danni all'apparechiatura, nonché infortuni alle persone o la morte.

## Cable de alimentación

El enchufe que viene en el cable de alimentación incluido puede que no encaje que sustituya el enchufe problemático y lo cambie por uno adecuado para la salida de corriente. Compruebe que se sigan todas las normativas de seguridad aplicables.

Asegúrese que la fuente de alimentación tenga una conexión a tierra correcta. El no cumplir con esta advertencia puede dar lugar a daños en el equipo, en las personas que lo manejen o incluso la muerte.

## Netzkabel

Das mitgelieferte Netzkabel besitzt möglicherweise einen Netzstecker, der nicht in Ihre Steckdose passt. In diesem Fall können Sie sich von einem zugelassenen Elektrobetrieb einen passenden Netzstecker unter Berücksichtigung der jeweils gültigen Vorschriften montieren lassen.

Stellen Sie sicher, dass der Schutzleiter der Netzsteckdose eine gute Verbindung zur Erde hat. Nichtbeachtung dieses Hinweises kann zu Schäden am Equipment, zu Verletzungen oder zum Tod führen.

# NT206L User Manual

## Suspension Warnings

Suspending anything, especially over people, should be done with extreme caution. Always engage the services of a certified professional who is qualified to determine the requirements for and to implement overhead rigging. Only persons with the knowledge of proper hardware and safe rigging techniques should attempt to suspend loudspeakers overhead. Failure to follow these precautions may result in damage, injury, or death.

### Avertissements de suspension

**AVERTISSEMENT:** Suspendre quoi que ce soit, en particulier les frais généraux de personnes, doit être fait avec une extrême prudence. Toujours engager les services d'un professionnel certifié qui est qualifié pour déterminer les conditions requises et à mettre en œuvre le gréement en tête. Seules les personnes ayant la connaissance du matériel approprié et les techniques sécuritaires de gréage devraient tenter de suspendre les haut-parleurs au-dessus. Le non-respect de ces précautions peut entraîner des dommages, des blessures ou la mort.

### Avvertenze sospensione

**AVVERTENZA:** Sospendere nulla, soprattutto sovraccarico di persone, deve essere fatto con estrema cautela. Inserire sempre i servizi di un professionista certificato che si è qualificato per determinare i requisiti di e ad attuare manovre in testa. Solo le persone con la conoscenza di tecniche di assemblaggio di sicurezza hardware e dovrebbero tentare di sospendere gli altoparlanti in testa. La mancata osservanza di queste precauzioni può provocare danni, lesioni o morte.

### Advertencias de suspensión

**ADVERTENCIA:** La suspensión de cualquier cosa, especialmente por encima de las personas, se debe hacer con mucho cuidado. Siempre contratar los servicios de un profesional certificado que está calificado para determinar los requisitos para implementar y para las maniobras de elevación. Sólo las personas con el conocimiento de las técnicas de aparejo de seguridad de hardware adecuada y deben intentar suspender altavoces por encima. El incumplimiento de estas precauciones puede resultar en daños, lesiones o muerte.

### Suspension Warnungen

**WARNING:** Schwebend alles, vor allem Aufwand von Menschen, sollte mit äußerster Vorsicht erfolgen. Immer engagieren, die Dienste eines zertifizierten Profi, der qualifiziert ist, die Anforderungen zu bestimmen und Überkopfmontage zu implementieren. Nur Personen mit der Kenntnis der richtigen Hardware und sichere Rigging Techniken sollten Lautsprecher Kopf aussetzen versuchen. Die Nichtbeachtung dieser Vorsichtsmaßnahmen kann zu Schäden, Verletzungen oder zum Tod führen.

# NT206L User Manual

## FCC Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

**CAUTION: Changes or modifications not expressly approved by EAW could void the user's authority to operate the equipment.**

The normal function of the product may be disturbed by strong electromagnetic interference. If so, simply reset the product to resume normal operation by following this instruction manual. If the product does not resume normal operation, please use the product in another location.

**WARNING: Operation of this product in a residential environment could cause radio interference.**

## Correct Disposal of this Product

This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE.



At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

# NT206L User Manual

## Technical Specifications

| PERFORMANCE                                                 |                                                                                                                                      |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Max SPL <sup>1</sup>                                        | 139dB                                                                                                                                |
| Operating Range <sup>2</sup>                                | 65Hz-20kHz                                                                                                                           |
| Nominal Beamwidth <sup>3</sup>                              | Horizontal: Narrow (80 degrees), Wide (110 degrees), Asymmetric (95 degrees left or right of center)<br>Vertical: 10 degrees         |
| Nominal Phase                                               | ±15° from ideal high-pass filter                                                                                                     |
| CONFIGURATION                                               |                                                                                                                                      |
| LF Transducer                                               | 2x 6.5" woofers w/2" VC Vented                                                                                                       |
| HF Transducer                                               | 1 x 1-in exit, 1.75-in voice coil Compression Driver<br>Adjustable Horizontal Directivity (AHD) Horn Loaded with Isophasic waveguide |
| Crossover                                                   | 1.2kHz                                                                                                                               |
| Signal Processing                                           | DSP with EAW Focusing™ and DynO™                                                                                                     |
| Modes                                                       | Flat, Boost                                                                                                                          |
| ELECTRICAL                                                  |                                                                                                                                      |
| Input Type                                                  | Electronically Balanced XLR                                                                                                          |
| Loop Type                                                   | Electronically Balanced XLR                                                                                                          |
| Max Input Level                                             | +21dBu                                                                                                                               |
| impedance                                                   | 20 kOhm (balanced)                                                                                                                   |
| Wiring                                                      | XLRF, Pin 1 chassis, pin 2+, pin 3- Separate loop-thru XLRM (for analog signal only)                                                 |
| Amplifier                                                   | <b>Type</b> Class D<br><b>Max Output LF / HF (Peak)</b> 1000W/500W                                                                   |
| AC Mains (nominal)                                          | Neutrik powerCON® TRUE1 connector<br>100/120V 60Hz or 230/240V 50Hz                                                                  |
| Power Consumption                                           | Full 400W                                                                                                                            |
|                                                             | 1/8th 120W                                                                                                                           |
|                                                             | Idle 50W                                                                                                                             |
| PHYSICAL                                                    |                                                                                                                                      |
| Material                                                    | Baltic Birch Enclosure with Roadcoat 2-part polyurea                                                                                 |
| Dimensions (H×W×D)                                          | 8.4in X 21.0in X 14.9in (213mm X 533mm X 379mm)                                                                                      |
| Net Weight                                                  | 32lbs (14.5kg)                                                                                                                       |
| Shipping Weight                                             | 37lbs (16.8kg)                                                                                                                       |
| ORDERING DATA                                               |                                                                                                                                      |
| Voltages                                                    | <b>115V</b> <b>230V</b>                                                                                                              |
| NT206L (Black)                                              | 2072549-20 2072550-20                                                                                                                |
| Accessories                                                 |                                                                                                                                      |
| EAW Flybar NT206L<br>(includes subwoofer mount, pole mount) | 2072581-90                                                                                                                           |
| EAW NT206L Pullback Kit                                     | 2072664-90                                                                                                                           |
| EAW Cart NT206L (6x loudspeakers)                           | 2072599-90                                                                                                                           |
| EAW Cover Transport<br>6-stack NT206L                       | 2072658                                                                                                                              |
| EAW Cart Lid NT206L                                         | 2072641-90                                                                                                                           |

1 Calculated max SPL at 1m with 4:1 (12dB) crest factor pink noise. Specified as whole space (free field) for full range loudspeakers, half space for subwoofers.

2 Operating Range: Range where the processed Frequency Response stays within -10 dB SPL of the power averaged SPL within this range; measured on the geometric axis. Narrow band dips are excepted.

3 Nominal Beamwidth: Design angle for the -6 dB SPL points, referenced to 0 dB SPL as the highest level.

# NT206L User Manual

## Unpacking

Visually inspect the outside of the shipping carton and note any damage on the shipping bill signed. After unpacking, if there is concealed damage to the loudspeaker, save the packing materials for the carrier's inspection, notify the carrier immediately and file a shipping damage claim.

Although EAW will help in any way possible, it is always the responsibility of the receiving party to file any shipping damage claim. The carrier will help prepare and file this claim.

## Contents

| Qty | Item                          |
|-----|-------------------------------|
| 1   | NT206L Product                |
| 1   | Power Cable                   |
| 1   | Card Insert/Sticker Pack      |
| 1   | Safety Instructions Print Out |

# NT206L User Manual



## Functions & Operations

### NT206L Series Rear Input Panel Diagram

1. Level (Gain) Control - Adjusts the level of the INPUT signal. Turning counterclockwise will reduce the output level and turning clockwise will raise the overall output level of the speaker.
2. XLR Input Connector - Balanced XLR input connector for analog input signal.
3. XLR Thru (Output) Connector - Balanced XLR output connector to daisy-chain input signal to other speakers. This signal comes directly from the input signal and is unaltered by speaker's internal processing.
4. Array Size Push Button- Adjust level of high frequency throw based on array size.
5. Power LED Indicator - Illuminates when loudspeaker is powered on
6. Signal LED Indicator - The status indicator will turn green when an input signal is detected. NOTE: Low-voltage signals may not be able strong enough to trigger the LED indicator, but may still be heard from the speaker – this is perfectly fine.
7. Limit LED Indicator - The limit indicator will turn red when the output has reached its maximum level. If the LED blinks occasionally, EAW DynO™ will optimize the output and continue to provide clear output at its maximum volume. If the LED blinks frequently or is lit continuously, reduce the level control (1) to prevent output distortion.

# NT206L User Manual

## Analog Audio Connections

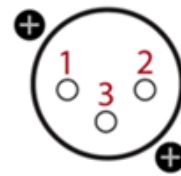
Two XLR cables are required. Users must provide their own cables. Connect the output from a line level source to the XLR-3F input connector on the rear panel. This is an electronically balanced input. With a second XLR cable, connect to the XLR-3M Thru connector as a loop-thru output to connect the same signal input to additional NT206L

The XLR wiring convention is as follows:

- Pin 1: Shield
- Pin 2: +/Hot
- Pin 3: -/Cold



INPUT



LOOP OUT

## AC Mains Connection

Connect the supplied AC mains cord to the Neutrik® powerCON® socket on the rear of the loudspeaker. Connect the other end to an AC mains supply receptacle, nominally 115V 60Hz or 230V 50 Hz as labeled on the loudspeaker. If necessary, have a qualified electrician change the cable plug as required for compatibility with the local AC mains receptacle.

***WARNING: Before connecting an NT206L loudspeaker to the AC mains supply, completely turn down the input signal to the loudspeaker using the input level attenuator. Failing to do so may result in excessive and possibly damaging sound pressure levels emanating from the loudspeaker when powered.***

## Linking power

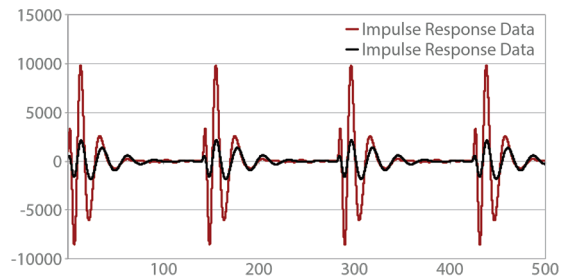
The Neutrik® powerCON® AC mains power in and power out connectors are wired in parallel to provide an AC mains inlet and outlet on each NT206L product. The AC mains inlet mates with a Neutrik® powerCON® True1 connector. To loop the AC mains from enclosure to enclosure, connect an AC mains jumper cable.

Up to two additional NT206L products can be looped in this fashion. Use an AC loop connector to daisy-chain AC mains power from one enclosure to another. The maximum, continuous load must not exceed 16A for both the 115V version and the 230V version.

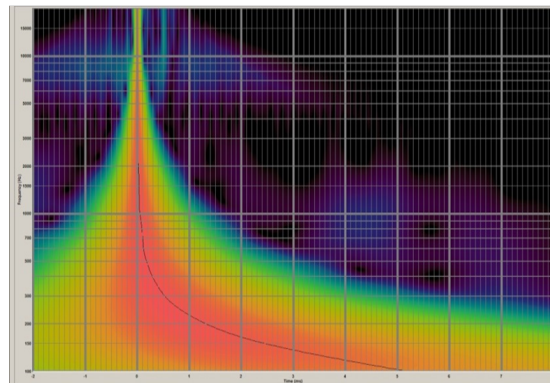
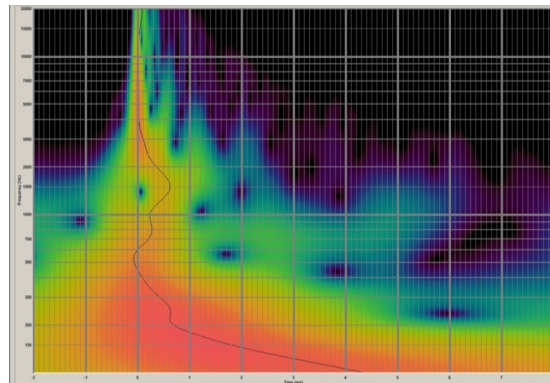
# NT206L User Manual

## EAW DSP Innovations

DynO™ is a revolutionary processing technique that allows EAW Engineers to maximize output from a given amplifier – transducer combination. As opposed to conventional limiting which simply views amplifier output and driver power handling in aggregate (i.e. a driver can handle 100 watts or an amplifier can produce 500 watts), the DynO process involves much more detail and complexity. By studying the headroom of all electronic and acoustical devices frequency by frequency and utilizing frequency-dependent limiting algorithms in combination with more traditional band-pass limiting, a system's broadband headroom can be maximized regardless of the input signal spectrum.



Even in well-designed professional loudspeakers, inherent sonic flaws such as phase plug reflections, horn resonances and cone resonances can cause undesirable audible artifacts. Implemented through advanced digital signal processing, EAW Focusing™ generates complex filters that correct these imperfections and improve the transient response of a loudspeaker. This is accomplished by isolating linear, time invariant and spatially consistent anomalies in a loudspeaker's response and eliminating them through advanced processing. The result is a high output, controlled loudspeaker that provides a pristine transient response equal to that of a direct radiating studio monitor.

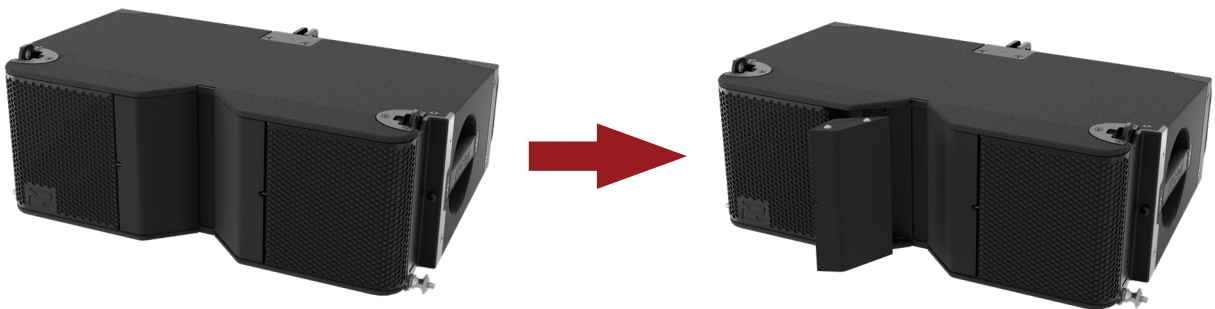


# NT206L User Manual

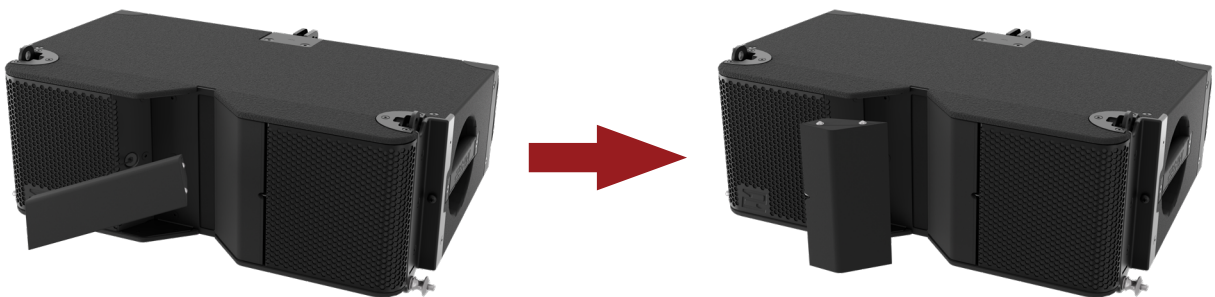
## Configuring the adjustable horn

Using EAW Adjustable Horizontal Directivity (AHD) technology, it's possible to adjust the horn horizontal dispersion from 80 degrees to 110 degrees. Asymmetric (95 degrees left or right of center) coverage may also be deployed by adjusting one part of the horn to 80 degrees, while setting the other part to 110 degrees. Vertical coverage is set at 10 degrees by the Isophasic Waveguide.

To change the horn's dispersion pattern, start by pushing on the bottom of one side of the



Once detached from the cabinet, rotate 180 degrees both vertically and horizontally, so that the top is now the bottom and the front is now the back.



Repeat the same steps to adjust the other part of the horn.



# NT206L User Manual

## NT206L Flybar Kit Instructions

There are various deployment methods that may be used:

- Flown array
- Groundstacked array
- Groundstacked array on a supported subwoofer
- Pole Mounted on a speaker stand or supported subwoofer

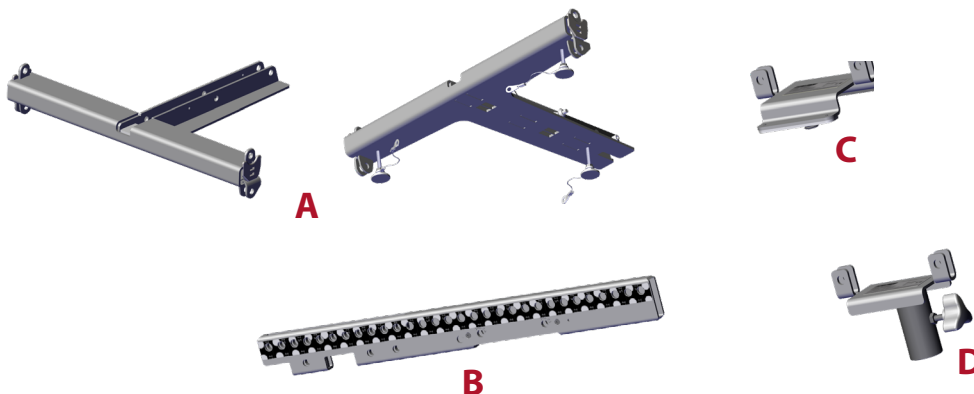
## Preparation

**It is HIGHLY suggested to use Resolution 2 software for array design and configuration and to ensure requirements for the venue's safety factor has been met**

1. Choose the deployment of Flown or Groundstacked NT206L
  - Number and position of NT206L arrays to be deployed
  - How many NT206L modules per array are to be used
  - Location and quantity of audio, network, and power cabling needed
2. Confirm the deployment of Pole Mounted NT206L
  - Ensure that speaker stands/poles are rated to hold weight of one, two, or three NT206L (each cabinet weighs approximately 30lbs/13kg)

## Accessory List (All accessories come with the NT206L Flybar Kit)

| Accessory Name                     | Quantity | Reference |
|------------------------------------|----------|-----------|
| Flybar Frame & Groundstack Adapter | 1        | A         |
| Stinger w/Link Bracket             | 1        | B         |
| M20 Mount Adapter                  | 1        | C         |
| Pole Mount Adapter                 | 1        | D         |



# NT206L User Manual

## Required Tools & Supplies

- None required

## NT206L Flown Array

### 1. Attach flybar to cabinet

- Choose orientation of stinger (B) and insert into frame (A). Secure in place using pins on flybar frame. Insert Link Bracket into Flybar Frame. Secure in place using pins on frame (Figure 1). Choose either one pick point or two as defined by the online app or Resolution software, and connect shackles to stinger.

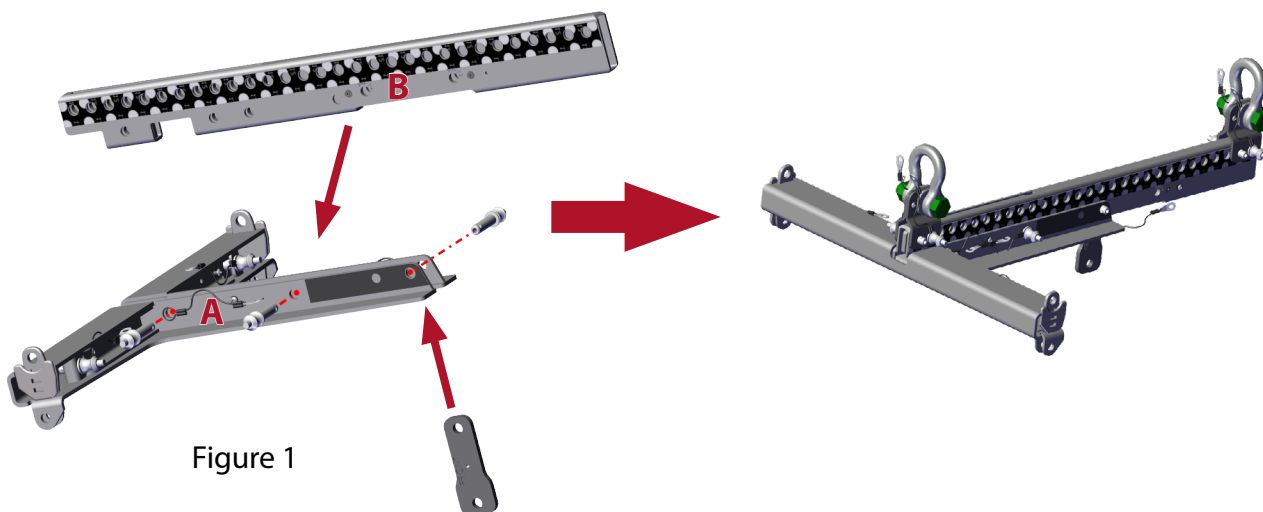


Figure 1

- Place flybar on top cabinet and pin front positions using pins attached to flybar (Figure 2).

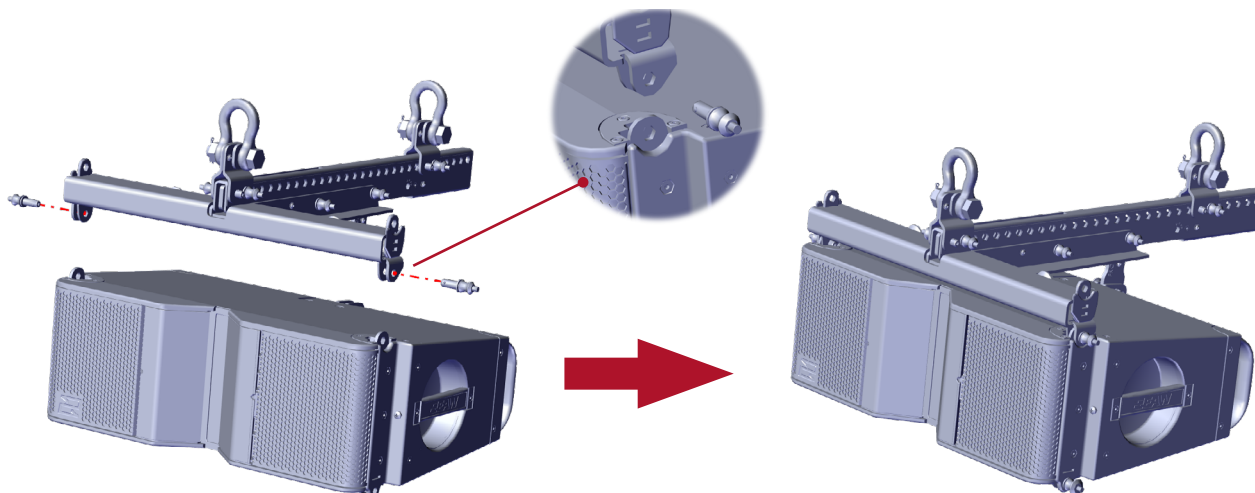


Figure 2

# NT206L User Manual

- Swing the rigging of the NT206L cabinet up to the Link Bracket on the flybar frame and pin the desired angle (Figure 3).

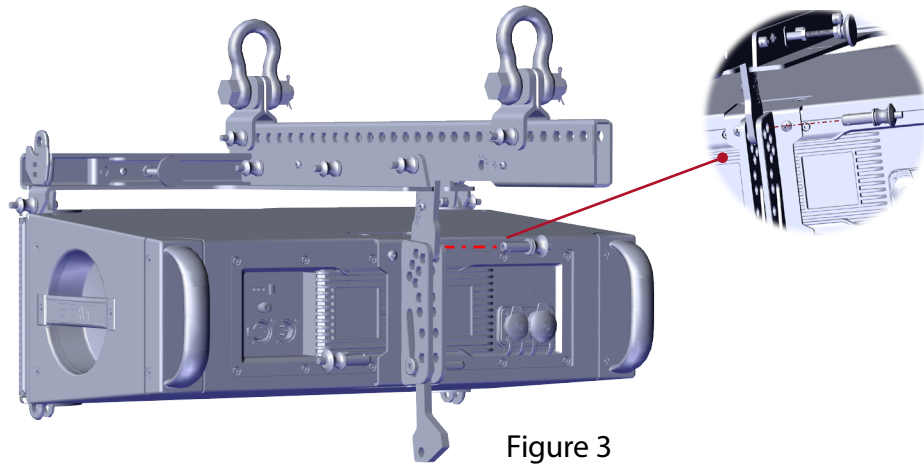


Figure 3

## 2. Add additional NT206L to flown array

- Connect shackle(s) to motors or mechanism to suspend array. It is recommended to set all angles while NT206L cabinets are on the NT206L cart.
- Verify front rigging pins are secure, then swing the rear rigging of the top cabinet down into the rigging assembly of the bottom cabinet. Pin angle using pin from the top cabinet (Figure 4). Lock angle into place by using a pin from the bottom cabinet into the angle lock of the top cabinet.

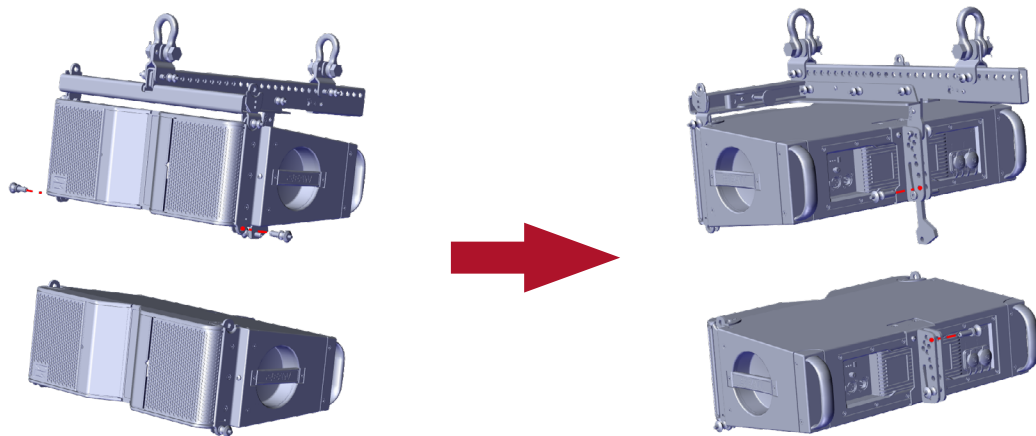


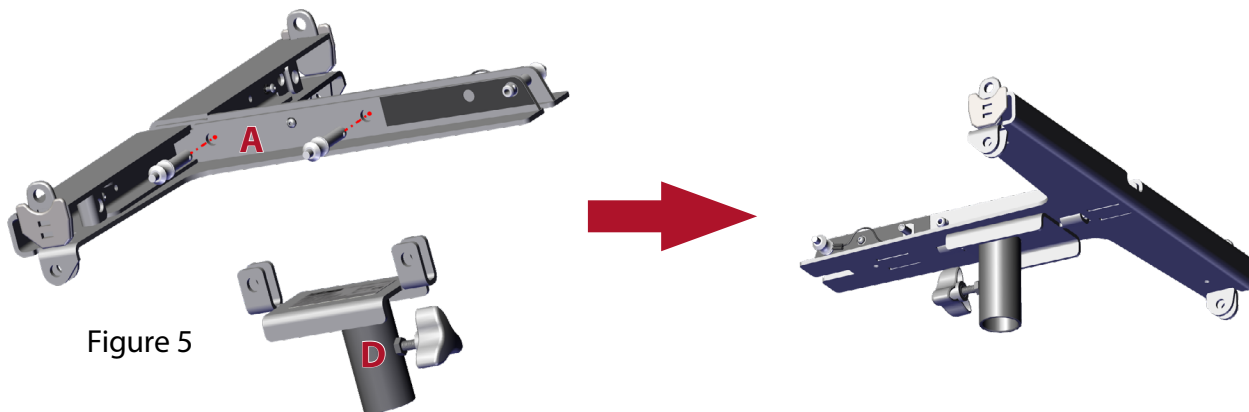
Figure 4

- Repeat the process for each array element that is added.

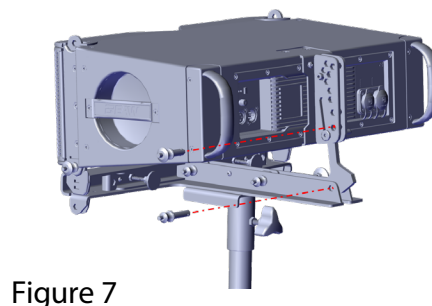
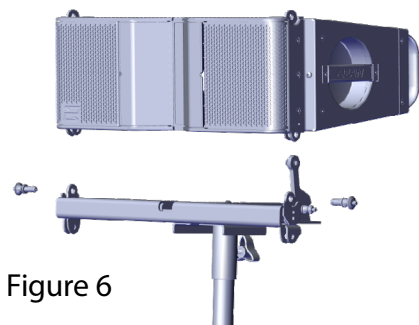
# NT206L User Manual

## NT206L Pole Mount

1. Create Pole Mounted Frame Assembly
  - Insert Pole Mount Adapter (D) into inverted Flybar Frame (A) and secure by pinning both locations using pins on the frame (Figure 5)



2. Place flybar assembly onto supported loudspeaker pole.
3. Add NT206L cabinets to flybar assembly
  - Place first NT206L on flybar frame and pin both front locations using the pins on the cabinet (Figure 6). Swing rear rigging down and pin to rear rigging of the frame using pin attached to the frame (Figure 7). Using pin on first NT206L cabinet, secure by pinning angle lock.



# NT206L User Manual

- For adding additional NT206L to the array, place the next module on top of the first NT206L and pin the front locations using the pins on the second cabinet (Figure 8).
- Swing down the rear rigging and pin chosen splay angle using pin on the first cabinet (Figure 9a-9b).
- Using pins on the second cabinet, pin the angle lock (Figure 9b)
- Repeat these steps for all additional modules (Up to 3x NT206L are supported depending on the rating of the pole being used)

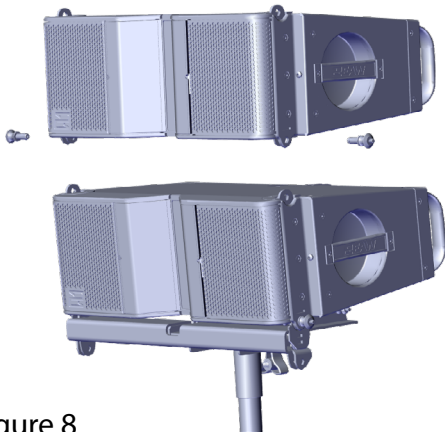


Figure 8

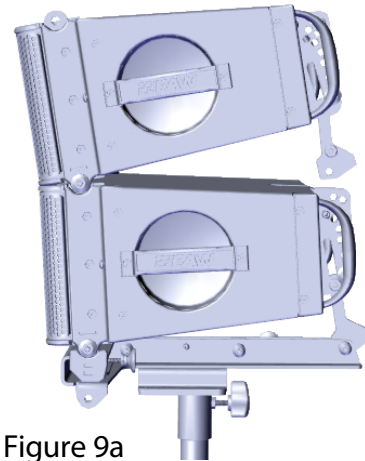


Figure 9a

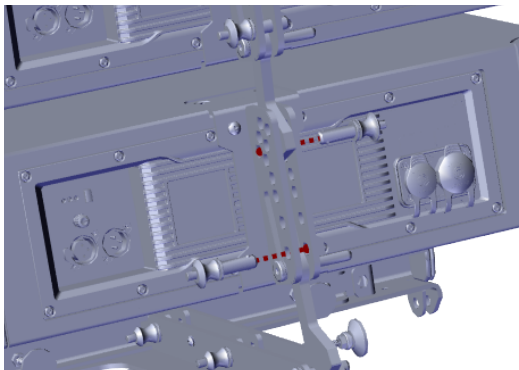
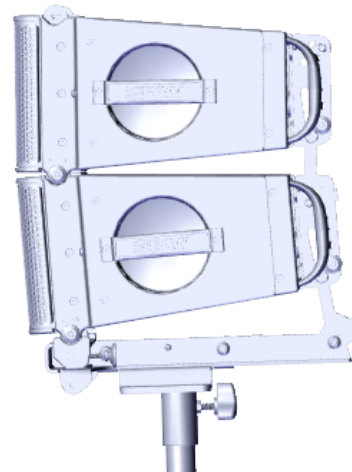


Figure 9b



# NT206L User Manual

## NT206L Groundstack with Flybar

1. Invert Flybar frame (A) and locate feet positions (Figure 10). Turn either clockwise or counterclockwise to adjust height.

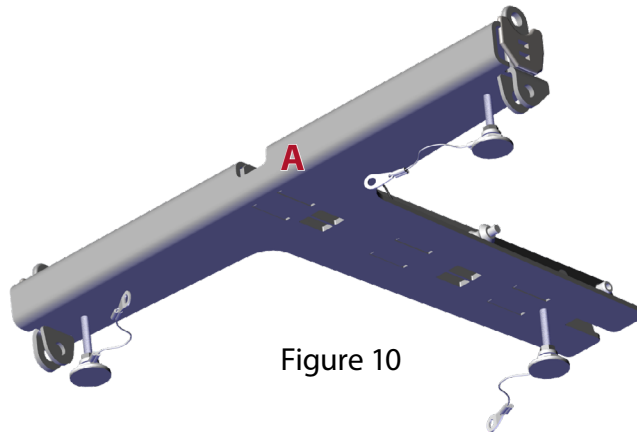


Figure 10

2. Once flybar frame is level on surface, add first NT206L module by placing module on frame and pinning both front locations with pins on cabinet (Figure 11a). Swing rear rigging on cabinet down and secure to flybar using pin on the frame (Figure 11b). Using pin on NT206L cabinet, secure by pinning angle lock.

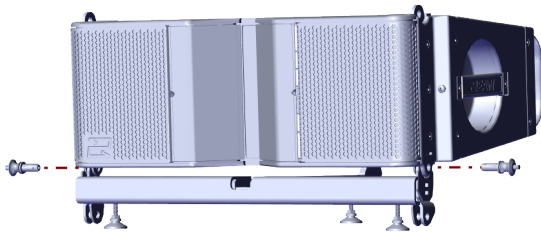


Figure 11a

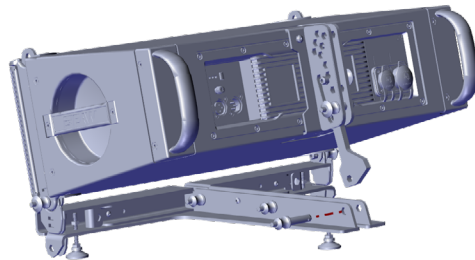


Figure 11b

3. For adding additional NT206L modules to the array
  - Place the next module on top of the first NT206L and pin the front locations using the pins on the second cabinet (Figure 12).
  - Swing down the rear rigging and pin chosen splay angle using pin on the first cabinet (Figure 13a-13b).
  - Using pins on the second cabinet, pin the angle lock (Figure 13b).
  - Repeat these steps for all additional modules.

# NT206L User Manual

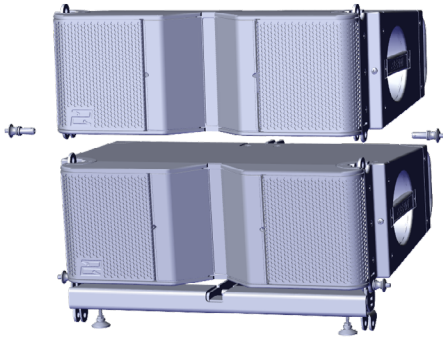


Figure 12

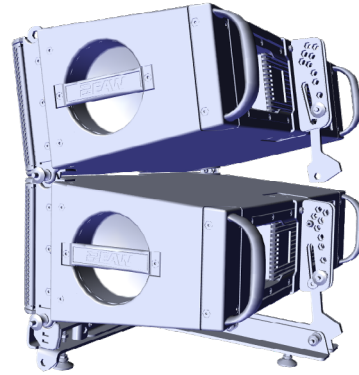


Figure 13a

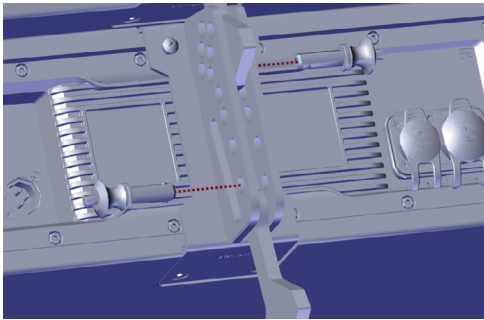
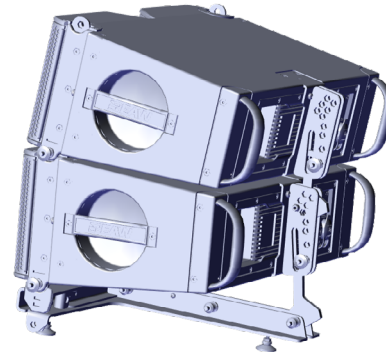


Figure 13b



## NT206L Groundstack Array with Subwoofer using the M20 Mount Adapter

1. Create Subwoofer M20 Mount Assembly
  - Invert Flybar and pin M20 Mount Adapter (C) to Flybar Frame (A) using pins on frame (Figure 14).

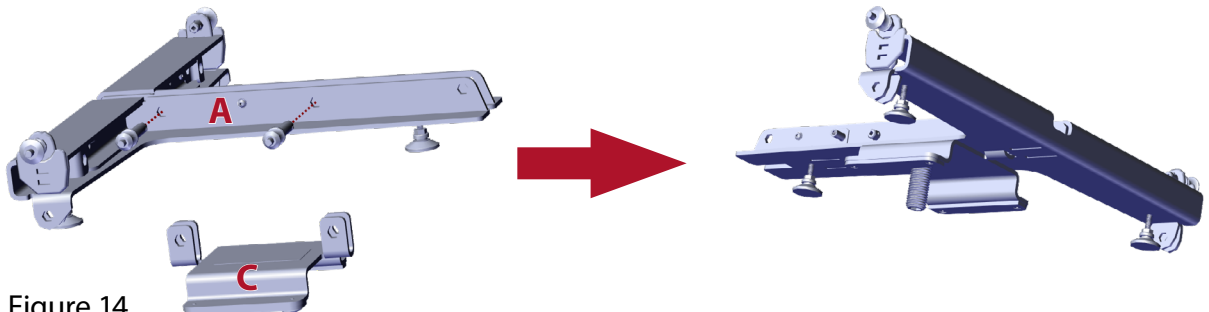


Figure 14

# NT206L User Manual

2. Place flybar assembly on top of a supported EAW subwoofer (SBX118F, SBX218, RS115, RS118, RSX18F) and line up mount to threaded M20 pole cup on the cabinet (Figure 15). Secure by turning clockwise until fully tightened and oriented in the correct location. **NOTE: Use feet on flybar frame for improved stability.**

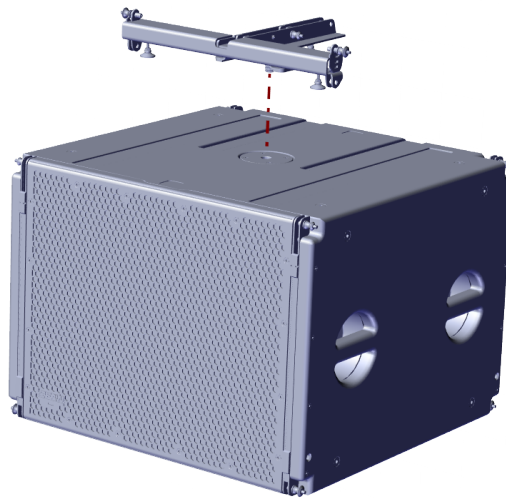


Figure 15

3. Attach NT206L to Frame
  - Place module on frame and pinning both front locations with pins on cabinet (Figure 16).
  - Swing rear rigging on cabinet down and secure to flybar using pin on the frame (Figure 17).
  - Using pin on NT206L cabinet, secure by pinning angle lock.

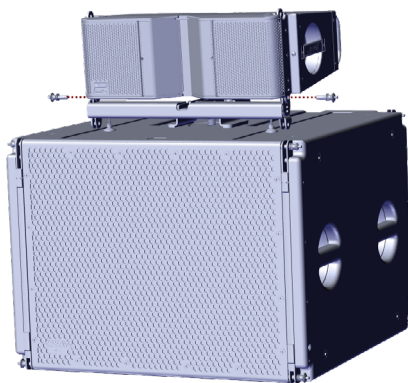


Figure 16

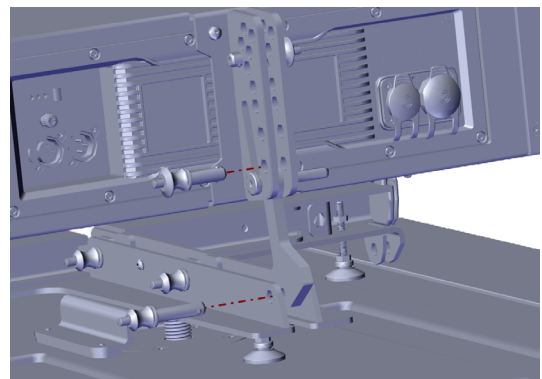


Figure 17

# NT206L User Manual

4. For adding additional NT206L modules to the array
  - Place the next module on top of the first NT206L and pin the front locations using the pins on the second cabinet (Figure 18).
  - Swing down the rear rigging and pin chosen splay angle using pin on the first cabinet (Figure 19a-19b).
  - Using pins on the second cabinet, pin the angle lock (Figure 19b).
  - Repeat these steps for all additional modules.

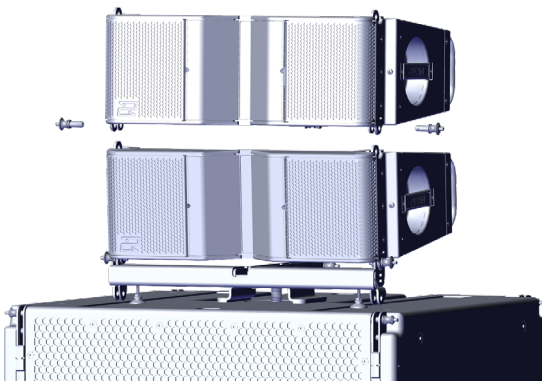


Figure 18

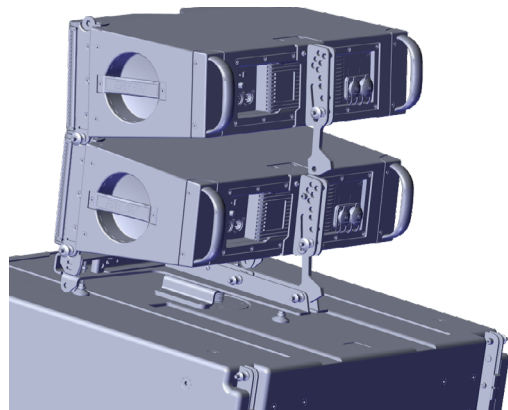


Figure 19a

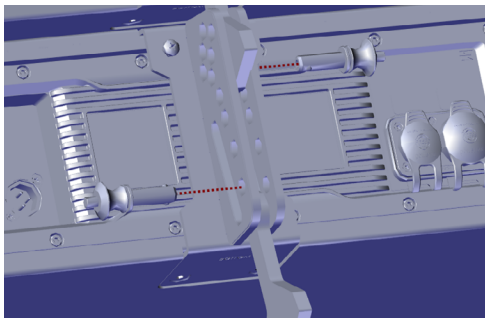
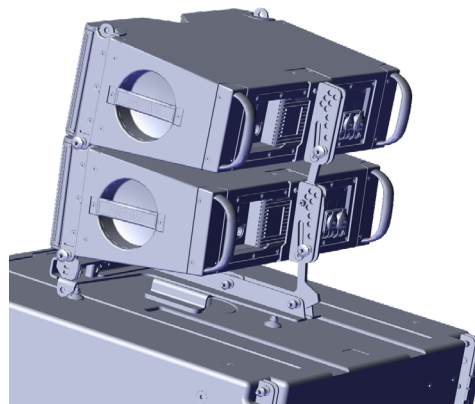


Figure 19b



# NT206L User Manual

## NT206L Pullback Bar Instructions

Confirm the deployment of Flown NT206L:

- Number and position of NT206L arrays to be deployed
- How many NT206L modules per array are to be used
- Location and quantity of audio, network, and power cabling needed
- **Consult Resolution software to verify array design meets requirements of the venue safety factor**

## Attach Pullback Bar to NT206L Flybar Frame

- The NT206L Pull Back adapter may be used on any flown array, but is not a part of the flybar kit. This is an additional accessory that must be ordered separately.
- Turn flybar frame upside down, and pin both locations using pins on the frame to secure the pull back adapter into place (Figure 1). Choose shackle position and attach to available options on the pull back adapter.

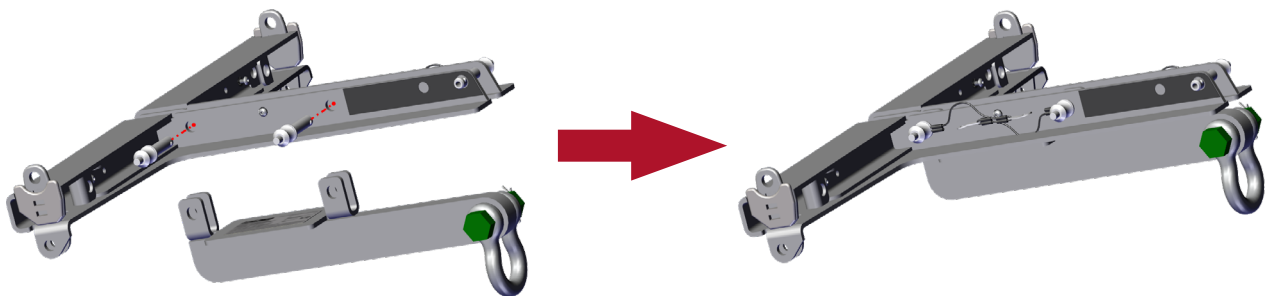


Figure 1

## Connect Flybar Assembly to NT206L cabinet

- Connect the flybar assembly to the most bottom cabinet in array by pinning the two front rigging positions using the pins attached to the frame (Figure 2)

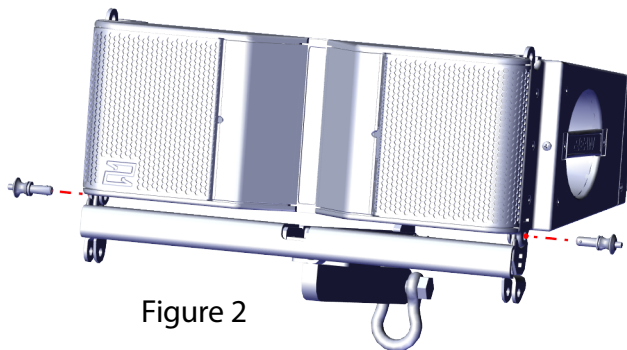


Figure 2

# NT206L User Manual

- Swing the rear rigging from the bottom cabinet down and secure to the flybar frame using the pin on the frame (Figure 3).

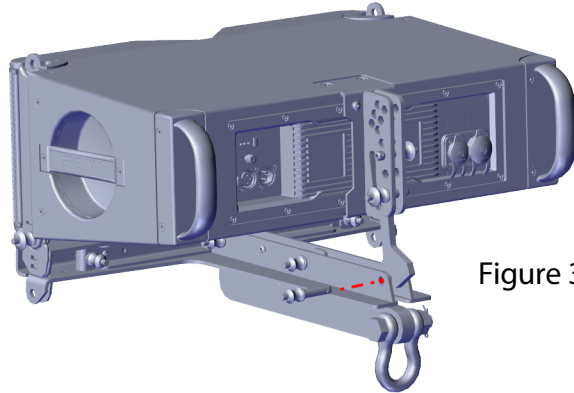
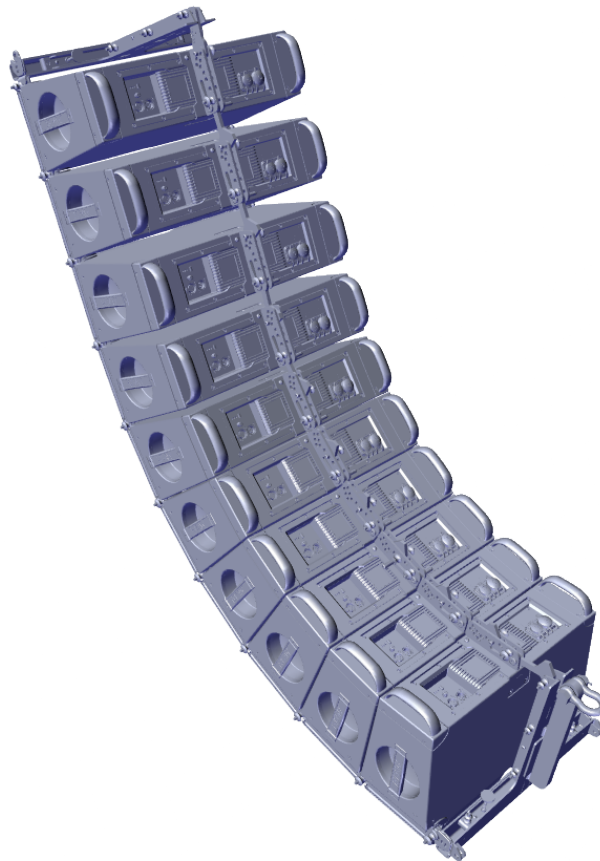


Figure 3

- Connect rigging point to shackle to adjust array tilt/pullback angle.



# NT206L User Manual

## Service, Inspection & Maintenance

### General Service

All components in the NT206L systems are designed to withstand the most rigorous and demanding environments. Through regular operation it may still be necessary to replace acoustical, electronic and mechanical components. The section below offers guidelines for user-serviceable parts. If you have any questions about replacing components in NT206L products, please contact EAW Service immediately and before performing the replacement.

***CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.***

### Rigging Service

Because of the potential serious consequences and liabilities due to faulty rigging, contact EAW to determine the appropriate service solution for any rigging hardware concerns.

### Routine Maintenance

***DO NOT ATTEMPT TO OPEN, REPAIR OR SERVICE THE AMPLIFIER; IT IS NOT USER-SERVICEABLE.***

### Internal Electronics and Wiring

NT206L Amplifier Modules are not user-serviceable and must be sent to EAW for repair. In the unlikely event of a failure of any amplifier or processing components, simply remove and replace the entire Amplifier Module with a spare.

***DO NOT ATTEMPT TO OPEN, REPAIR OR SERVICE THE AMPLIFIER MODULE.***