Antes de utilizar el equipo, lea la sección “Precauciones de seguridad” de este manual. Conserve este manual para futuras consultas.

Before operating the device, please read the “Safety precautions” section of this manual. Retain this manual for future reference.
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  2 x ALTEA-712A (wireless audio)
  2 x ALTEA-715A (wireless audio)
  2 x ALTEA-412A / ALTEA-712A
  2 x ALTEA-415A / ALTEA-715A
  2 x ALTEA-412A / ALTEA-712A + 1 x ALTEA-718A
  2 x ALTEA-415A / ALTEA-715A + 2 x ALTEA-718A
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El signo de exclamación dentro de un triángulo indica la existencia de importantes instrucciones de operación y mantenimiento en la documentación que acompaña al producto. Consérve y lea todas estas instrucciones. Siga las advertencias.

El colgado del equipo sólo debe realizarse utilizando los herrajes de colgado recomendados y por personal cualificado. No cuelgue la caja de las asas.

No existen partes ajustables por el usuario en el interior de este equipo. Cualquier operación de mantenimiento o reparación debe ser realizada por personal cualificado. Es necesario el servicio técnico cuando el equipo se haya dañado de alguna forma, como que haya caído líquido o algún objeto en el interior del aparato, haya sido expuesto a lluvia o humedad, no funcione correctamente, haya recibido un golpe o su cable de red esté dañado.

Límpie con un paño seco. No use limpiadores con disolventes.

Cajas acústicas activas / Self-powered loudspeaker enclosures

De acuerdo con EN55103-2, usar el equipo sólo en entornos E1, E2, E3 o E4.

No desconecte la tierra en el conector de alimentación pues es peligroso e ilegal. Equipo de Clase I. El producto debe ser conectado a un enchufe con toma de tierra. Sólo use este equipo con el cable de red de alimentación adecuado para su país.

El signo del rayo con la punta de flecha, alerta contra la presencia de voltajes peligrosos no aislados. Para reducir el riesgo de choque eléctrico, no retire la cubierta.

No instale el aparato cerca de ninguna fuente de calor como radiadores, estufas u otros aparatos que produzcan calor. Debe instalarse siempre sin bloquear la libre circulación de aire por las aletas del radiador.

No exponga este equipo a la lluvia o humedad. No use este aparato cerca del agua (piscinas y fuentes, por ejemplo). No exponga el equipo a salpicaduras ni coloque sobre él objetos que conterengan líquidos, tales como vasos y botellas. Equipo IP-20.

Este símbolo indica que el presente producto no puede ser tratado como residuo doméstico normal, sino que debe entregarse en el correspondiente punto de recogida de equipos eléctricos y electrónicos.

Equipo diseñado para funcionar entre 15ºC y 45ºC con una humedad relativa máxima del 95%, con un rango de ±10% de la tensión nominal de alimentación indicada en la etiqueta trasera (según IEC 60065). Si debe sustituir el fusible preste atención al tipo y rango.

El cableado exterior conectado al equipo requiere de su instalación por una persona instruida o el uso de cables flexibles ya preparados.

Si el aparato es conectado permanentemente, la instalación eléctrica del edificio debe incorporar un interruptor multipolar con separación de contacto de al menos 3mm en cada polo.

Para desconectar el dispositivo debe usar el enchufe. Desconecte este aparato durante tormentas eléctricas, terremotos o cuando no se vaya a emplear durante largos períodos.

No emplace altavoces en proximidad a equipos sensibles a campos magnéticos, tales como monitores de televisión o campos magnético de almacenamiento de datos.

Para las cajas con vaso para trípode, la altura máxima de seguridad desde el suelo a la base de la caja montada sobre trípode modelo TRD-2, con pies a 55 cm del eje del trípode, es:

ALTEA-412A / ALTEA-712A ————> 115 cm
ALTEA-415A / ALTEA-715A ————> 105 cm

El colgado del equipo sólo debe realizarse utilizando los herrajes de colgado recomendados y por personal cualificado. No cuelgue la caja de las asas.

No existe partes ajustables por el usuario en el interior de este equipo. Cualquier operación de mantenimiento o reparación debe ser realizada por personal cualificado. Es necesario el servicio técnico cuando el equipo se haya dañado de alguna forma, como que haya caído líquido o algún objeto en el interior del aparato, haya sido expuesto a lluvia o humedad, no funcione correctamente, haya recibido un golpe o su cable de red esté dañado.

Límpie con un paño seco. No use limpiadores con disolventes.

The sign of an exclamation point inside an equilateral triangle is intended to alert the users to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product. Read all warnings. Follow all instructions. Keep these instructions.

WARNING: This is a class A product. In a domestic environment this product may cause radio interferences in which case the user may be required to take adequate measures. Use this product only in E1, E2, E3 or E4 environments according to EN5103-2.

Do not remove mains connector ground, it is dangerous and illegal. Class I device. The product must be connected to a mains socket outlet with protective earth connection. Only use this equipment with an appropriate mains cord for your country.

The lightning and arrowhead symbol warns about the presence of uninsulated dangerous voltage. To reduce the risk of electric shock, do not remove the cover.

Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat. The circulation of air through the heat sink must not be blocked.

Do not expose this device to rain or moisture. Do not use this apparatus near water (for example, swimming pools and fountains). Do not place any objects containing liquids, such as bottles or glasses, on the top of the unit. Do not splash liquids on the unit. IP-20 equipment.

This symbol on the product indicates that this product should not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

Working temperature ranges from 15ºC to 45ºC with a relative humidity of 95%, with ±10% of the rated main voltage value indicated on the rear label (according to IEC 60065). If the fuse needs to be replaced, please pay attention to correct type and ratings.

The outer wiring connected to the device requires installation by an instructed person or the use of a flexible cable already prepared.

If the apparatus is connected permanently, the electrical system of the building must incorporate a multipolar switch with a separation of contact of at least 3mm in each pole.

To disconnect the device, you should use the mains plug. Unplug this apparatus during lightning storms, earthquakes or when unused for long periods of time.

Do not place loudspeakers in proximity to devices sensitive to magnetic fields such as television monitors or data storage magnetic material.

For enclosures with tripod socket, the maximum safety height from floor to bottom of enclosure when mounting on a TRD-2 tripod, with legs spread 55cm from the central pole, is:

ALTEA-412A / ALTEA-712A ————> 115 cm
ALTEA-415A / ALTEA-715A ————> 105 cm

The appliance should be flown only from the rigging points and by qualified personnel. Do not suspend the box from the handles.

No user serviceable parts inside. 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, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

Clean only with a dry cloth. Do not use any solvent based cleaners.
GARANTÍA

Todos nuestros productos están garantizados por un periodo de 24 meses desde la fecha de compra.

Las garantías sólo serán válidas si son por un defecto de fabricación y en ningún caso por un uso incorrecto del producto.

Las reparaciones en garantía pueden ser realizadas, exclusivamente, por el fabricante o el servicio de asistencia técnica autorizado.

Otros cargos como portes y seguros, son a cargo del comprador en todos los casos.

Para solicitar reparación en garantía es imprescindible que el producto no haya sido previamente manipulado e incluir una fotocopia de la factura de compra.

WARRANTY

All our products are warrantied against any manufacturing defect for a period of 2 years from date of purchase.

The warranty excludes damage from incorrect use of the product.

All warranty repairs must be exclusively undertaken by the factory or any of its authorised service centers.

To claim a warranty repair, do not open or intend to repair the product.

Return the damaged unit, at shippers risk and freight prepaid, to the nearest service center with a copy of the purchase invoice.
DECLARACIÓN DE CONFORMIDAD
DECLARATION OF CONFORMITY

DAS Audio Group, S.L.


Note: The full text of the declaration of conformity for ALTEA-712A and ALTEA-715A is available at http://d.dasaudio.com/fl9Df.

Declara que ALTEA-412A / ALTEA-415A / ALTEA-718A:
Declares that ALTEA-412A / ALTEA-415A / ALTEA-718A:

Cumple con los objetivos esenciales de las Directivas:
Abide by essential objectives relating Directives:

- de Baja Tensión (Low Voltage Directive) 2014/35/UE
- de Compatibilidad Electromagnética (EMC) 2014/30/UE
- RoHS 2011/65/UE
- RAEE (WEEE) 2012/19/UE

Y es conforme a las siguientes Normas Armonizadas Europeas:
In accordance with Harmonized European Norms:

The ALTEA-718A is a powered subwoofer system designed to provide extended bass response for the Altea full-range cabinets. At the heart of the system is a DAS 18FW4 bass loudspeaker. This loudspeaker incorporates a FEM optimized high-efficiency speaker design and an extended 3” voice coil for long excursion. Cooling is assured thanks to the 18FW4’s vented pole piece and abundant apertures in the speaker’s back plate keeping power compression to a minimum while providing high acoustic output over extended periods.

Driving the DAS 18FW4 loudspeaker is a cutting-edge 1200 Wpeak Class D amplifier. On the rear panel a balanced input connector and stereo “loop thru” output connections are available to provide signal for Altea satellite systems. Thanks to the digital presets accessible by way of a DAScontrol™ interface on the rear of the cabinet, setting up a combo system with Altea full-range systems is easy.
Consult chapter Wireless Audio Connectivity in this manual for setting up the link between the audio source and the cabinets.

Use DASlink APP to control and monitor your system!
Consult chapter Wireless Audio Connectivity in this manual for setting up the link between the audio source and the cabinets.

Use DASlink APP to control and monitor your system!
Select LPF (Low Pass Filter) \textit{AlTop} in the ALTEA-718A amplifiers.

Select HPF (High Pass Filter) \textit{At18A} in the ALTEA-412A and ALTEA-712A amplifiers.
Select LPF (Low Pass Filter) AlTop in the ALTEA-718A amplifiers.

Select HPF (High Pass Filter) At18A in the ALTEA-415A and ALTEA-715A amplifiers.
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>ALTEA-412A</th>
<th>ALTEA-415A</th>
<th>ALTEA-712A</th>
<th>ALTEA-715A</th>
<th>ALTEA-718A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Amplifier</strong></td>
<td>800 W peak</td>
<td>800 W peak</td>
<td>1500 W peak</td>
<td>1500 W peak</td>
<td>1200 W peak</td>
</tr>
<tr>
<td></td>
<td>Class D Bi-amplified</td>
<td>Class D Bi-amplified</td>
<td>Class D Bi-amplified</td>
<td>Class D Bi-amplified</td>
<td>Class D Mono-amplified</td>
</tr>
<tr>
<td><strong>Input Type</strong></td>
<td>Balanced Differential Line</td>
<td>Balanced Differential Line</td>
<td>Balanced Differential Line</td>
<td>Balanced Differential Line</td>
<td>Balanced Differential Line</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>1.95V (+8dBu)</td>
<td>1.95V (+8dBu)</td>
<td>1.95V (+8dBu)</td>
<td>1.95V (+8dBu)</td>
<td>1.95V (+8dBu)</td>
</tr>
<tr>
<td><strong>Frequency Range (-10 dB)</strong></td>
<td>60 Hz - 20 kHz</td>
<td>50 Hz - 20 kHz</td>
<td>60 Hz - 20 kHz</td>
<td>60 Hz - 20 kHz</td>
<td>45 Hz - 138 Hz</td>
</tr>
<tr>
<td><strong>HF Horn Coverage Angles (4 db)</strong></td>
<td>90° x 60°</td>
<td>90° x 60°</td>
<td>90° x 60°</td>
<td>90° x 60°</td>
<td>-</td>
</tr>
<tr>
<td><strong>Maximum Peak SPL, @ 1m</strong></td>
<td>132 dB</td>
<td>132 dB</td>
<td>132 dB</td>
<td>132 dB</td>
<td>134 dB</td>
</tr>
<tr>
<td><strong>Connectors</strong></td>
<td>INPUT: Female XLR</td>
<td>INPUT: Female XLR</td>
<td>INPUT: Female XLR</td>
<td>INPUT: Female XLR</td>
<td>INPUT: Female XLR</td>
</tr>
<tr>
<td></td>
<td>LOOP THRU: Male XLR</td>
<td>LOOP THRU: Male XLR</td>
<td>LOOP THRU: Male XLR</td>
<td>LOOP THRU: Male XLR</td>
<td>LOOP THRU: Male XLR</td>
</tr>
<tr>
<td><strong>AC Power Requirements</strong></td>
<td>115V, 2A, 50 Hz / 60 Hz</td>
<td>115V, 2A, 50 Hz / 60 Hz</td>
<td>115V, 1A, 50 Hz / 60 Hz</td>
<td>115V, 1A, 50 Hz / 60 Hz</td>
<td>115V, 2.8A, 50 Hz / 60 Hz</td>
</tr>
<tr>
<td></td>
<td>230V, 1A, 50 Hz / 60 Hz</td>
<td>230V, 1A, 50 Hz / 60 Hz</td>
<td>230V, 1A, 50 Hz / 60 Hz</td>
<td>230V, 1A, 50 Hz / 60 Hz</td>
<td>230V, 1.4A, 50 Hz / 60 Hz</td>
</tr>
<tr>
<td><strong>Dimensions (H x W x D)</strong></td>
<td>65 x 38 x 34.6 cm</td>
<td>65 x 38 x 34.6 cm</td>
<td>65 x 38 x 34.6 cm</td>
<td>65 x 38 x 34.6 cm</td>
<td>65 x 38 x 34.6 cm</td>
</tr>
<tr>
<td></td>
<td>25.6 x 15 x 13.6 in</td>
<td>25.6 x 15 x 13.6 in</td>
<td>25.6 x 15 x 13.6 in</td>
<td>25.6 x 15 x 13.6 in</td>
<td>25.6 x 15 x 13.6 in</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>18.9 kg (41.6 lb)</td>
<td>19.3 kg (42.5 lb)</td>
<td>18.9 kg (41.6 lb)</td>
<td>18.9 kg (41.6 lb)</td>
<td>20.6 kg (45.3 lb)</td>
</tr>
<tr>
<td><strong>Accessories</strong></td>
<td>ANL-1 Eye Bolt</td>
<td>ANL-1 Eye Bolt</td>
<td>ANL-1 Eye Bolt</td>
<td>ANL-1 Eye Bolt</td>
<td>ANL-1 Eye Bolt</td>
</tr>
<tr>
<td></td>
<td>TRD-2 Speaker Stand</td>
<td>TRD-2 Speaker Stand</td>
<td>TRD-2 Speaker Stand</td>
<td>TRD-2 Speaker Stand</td>
<td>TRD-2 Speaker Stand</td>
</tr>
<tr>
<td></td>
<td>TRD-6 Pole Mount</td>
<td>TRD-6 Pole Mount</td>
<td>TRD-6 Pole Mount</td>
<td>TRD-6 Pole Mount</td>
<td>TRD-6 Pole Mount</td>
</tr>
<tr>
<td></td>
<td>FUN-AL12</td>
<td>FUN-AL715</td>
<td>FUN-AL12</td>
<td>FUN-AL715</td>
<td>FUN-AL12</td>
</tr>
<tr>
<td></td>
<td>AX-112-S</td>
<td>AX-112-S</td>
<td>AX-112-S</td>
<td>AX-112-S</td>
<td>AX-112-S</td>
</tr>
</tbody>
</table>

DAS Audio Group S.L. continuously strives to enhance its products through investigation and development. All specifications are subject to change without prior notice.
1) MASTER VOLUME AND DSP CONTROL:

Use the encoder to select the desired output volume and push/hold it to access to the different DSP and cabinet settings.

2) MAIN SCREEN:

In the main screen all selected parameters and settings are shown. Besides this, there are two input level indicators on the left, one output level indicator on the right and the center area is reserved to display messages as Input Clip or Limit.

3) INPUT connectors:
1/4" Jack+XLR combined socket-type input signal connectors. This is a balanced connector just like the LOOP THRU connector with the following pin assignments:
- 1 or S=GND (ground)
- 2 or T=+ Non inverted input.
- 3 or R=- Inverted input.

4) OUTPUT connectors:
XLR-type output signal connector for connecting several units together and sending them all the same signal. Except in ALTEA-718A, the user can select the signal going out; can be Ch1, Ch2 or MIX (see 6).

5) INPUT GAIN CONTROL:
For channels 1 and 2, gain control, line and microphone.
Note: Wireless Audio Signal is controlled with gain knob 1. Wireless audio only available in 700 series.

6) OUTPUT mix selector:
It allows the user to select which input channel signal to send to other cabinets. User can select Ch1, Ch2 or both (Mix).

7) AUX in:
3.5 mm audio jack input for connecting external audio media devices, such as MP3 players.

---

**Description: altea 400 / altea 700 active series**

- **1) MASTER VOLUME AND DSP CONTROL:**
- **2) MAIN SCREEN:**
- **3) INPUT connectors:**
- **4) OUTPUT connectors:**
- **5) INPUT GAIN CONTROL:**
- **6) OUTPUT mix selector:**
- **7) AUX in:**
ON / OFF

A sound system should be switched on sequentially. Switch on the self-powered units last in your sound system (switch on the subwoofer before the mid-high system). Switch on the sound sources such as CD players or turntables, then the mixer, then the processors, and finally the selfpowered unit. If you have several units, it is recommended that you switch them on sequentially one at a time.

Follow the inverse order when switching off, turning self-powered units off before any other element in the sound system.

Turn off the device by removing the mains connector from the mains socket or using the switch on the amplifier’s rear panel. The mains connector and mains socket must always be freely accessible and never covered or blocked in any way. The mains cable can be detached from the device by disconnecting the standard IEC connector.

IMPORTANT: Do not disconnect the unit while in use. Ensure that the device is disconnected from the mains by observing that the DISPLAY is turned off.

Overload Display indicators (limit and Input Clip)

In the main screen when input signal levels are too high on the left side (input channles) the meters will display “input clip”:

![Input Clip Meters](image)

If the input levels are in between the limits but the output level gain is too high, the right meter will display “limit”:

![Limit Meters](image)

Please keep the gain structure of the system within the limits (no INPUT clip and NO LIMIT shown) in order to keep the system safe and free of distortion. To maintain that gain structure below reaching LIMIT or INPUT clip, besides the level of the source (Master Output of the console etc) the user can adjust levels with the input knob controls (2), except in ALTEA-718A, and the Master Volume control (1) (see the attached figure):

Equalisation

The unit does not need external settings of equalisation to produce quality sound. In fact the unit has an internal 3 band equalizer (Low/Mid/High) adjustable by the user. Besides this, keep in mind all the possible presets available in the DSP (live, dance, bboost, etc).

Overheating

This equipment does not normally overheat during normal conditions of use. It has been designed and tested at DAS Audio Laboratories to work under hard thermal conditions with high output levels (limit conditions). If overheating occurs, the unit protects itself by lowering the output power. You should then find out why and if necessary contact an authorised service center for technical assistance.

Normally it is enough just to let the unit cool down after you have corrected the problem so that the system functions properly again.

Low mains voltage

If mains voltage falls below the shutdown voltage for the unit, it will stop playing. When acceptable levels are regained, the unit will switch back on automatically.

For ALTEA 400 series the shutdown level is around 90V. For ALTEA 700 series the shutdown level is 80V.

Therefore the current consumed by a 115V version is double the 230V version to achieve the same acoustic power level.

<table>
<thead>
<tr>
<th>Model</th>
<th>Current (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTEA-412A</td>
<td>1A</td>
</tr>
<tr>
<td>ALTEA-415A</td>
<td>1A</td>
</tr>
<tr>
<td>ALTEA-712A</td>
<td>1.5A</td>
</tr>
<tr>
<td>ALTEA-715A</td>
<td>1.5A</td>
</tr>
<tr>
<td>ALTEA-718A</td>
<td>1.4A</td>
</tr>
</tbody>
</table>

Pink Noise:

Mains 230 Vrms

1/3 Potencia

ALTEA-412A
ALTEA-415A
ALTEA-712A
ALTEA-715A

ALTEA-718A
By default the state of the screen is the following:

**AUDIO MANAGEMENT**

By scrolling down the encoder more options appear:

**PRESETS:**

Five factory settings (live, dance, vocals, bboost, monitor) depending on the type of music/use have been configured by default:

With the encoder go to Preset Sub-menu and press the knob to access to the different options:

**MAIN MENU:**

As stated previously by pushing the encoder the user can access to the following options in the MENU:

Note: to enter and select an option always push the encoder. For going back in the menu, the user has to select Back in the screen and press the encoder or just pushing the encoder.

System presets
Four options are available for the cabinets. Go to the HPF Sub-menu and press the encoder. Options appear:

**HPF (High Pass Filter):**

Boosting the energy in the low / mid range is possible by the use of this parameter. Besides the user can remove energy. The scale goes from -10dB to +6dB. As with the previous options use the encoder to move in the main menu till the LOW/MID sub menu. Then press again and you will enter the dB selector:

**LOW / MID:**

Boosting the energy in the low / mid range is possible by the use of this parameter. Besides the user can remove energy. The scale goes from -10dB to +6dB. As with the previous options use the encoder to move in the main menu till the LOW/MID sub menu. Then press again and you will enter the dB selector:

**HIGH:**

Boosting the energy in the high end is possible by the use of this parameter. Besides the user can remove energy. The scale goes from -10dB to +6dB. As with the previous options use the encoder to move in the main menu till the HIGH sub menu. Then press again and you will enter the dB selector:

**DELAY:**

The user can set up a delay in the cabinets by using the delay Sub-menu; from 0 to 9.9m:

**EXPANDER:**

By default it is not activated. It works very similar to a noise gate with a smoother response.
OPTIONS:

In this sub-menu the user can configure all these options. Remember that in order to access each parameter it is necessary to push the encoder:

A. User can LOCK the Display and Master Volume Control by enabling this option MENU LOCK: ON

B. User can LOCK the Display and Master Volume Control WITH PASSWORD by enabling this option MENU LOCK: pw292

In case A to unlock just press the encoder: In case B to unlock PUSH encoder and enter the 3 digit password (292):

STAND-BY: When no signal is detected the amplifier shuts down. Time can be selected

This option resets the device to the following values: (All Wireless Audio and control pairing will be lost)
DISPLAY (only ALTEA-718A)

ADJUSTING THE LEVELS

By default the state of the screen is the following:

Once the input source has been connected to the amplifier’s cabinet, the user has to check the gain structure of the system. Adjust level output from your processor and/or mixing console in order to prevent INPUT CLIP (left signal meter):

After having set the input volume values under the maximum level, user has to adjust output volume with the master control. The level is shown in the right meter in the screen. As with the inputs be careful not to exceed the limit: (LIMIT shown)

After these two volume adjustments the screen will show something like this (when having the input sources ON):

MAIN MENU:

As stated previously by pushing the encoder the user can access the following options in the MENU:

Note: to enter and select and option always push the encoder. For going back in the menu, the user has to select Back in the screen and press the encoder or just pushing the encoder.

By scrolling down the encoder more options appear:

PRESETS:

Two factory settings (loud and deep) depending on the type of music/use has been configured by default:

With the encoder go to Preset Sub-menu and press the knob to access the different options:

LPF (Low Pass Filter):

There are 3 different options:

Combination with ALTEA-412A/415A and ALTEA-712A/715A
OPTIONS

In this sub-menu the user can configure all the non-audio related options. Remember that in order to access each parameter it is necessary to push the encoder:

- **OPTIONS MENU**
  - BACK
  - BRIGHT: 0
  - CONTRAST: 0

- **OPTIONS MENU**
  - BACK
  - BRIGHT: 0
  - CONTRAST: 0

- **OPTIONS MENU**
  - BRIGHT: 0
  - CONTRAST: 0

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

- **OPTIONS MENU**
  - DIMMING: on
  - LOGO: on
  - MENU LOCK: off

DIMMING: When active the screen lowers its luminosity after a few seconds

A. User can LOCK the Display and Master Volume Control by enabling this option MENU LOCK: ON
B. User can LOCK the Display and the encoder WITH PASSWORD by enabling this option MENU LOCK: pw292

In case A to unlock just press the encoder:

In case B to unlock PUSH encoder and enter the 3 digit password (292):

A. **LOCKED PUSH TO UNLOCK**
   - 0.0m
   - loud
   - AlTop

B. **UNLOCKED**
   - 0.0m
   - loud
   - AlTop

- **OPTIONS MENU**
  - DLY UNITS: m
  - RESTORE
  - INFORMATION

- **OPTIONS MENU**
  - DLY UNITS: m
  - RESTORE
  - INFORMATION

- **OPTIONS MENU**
  - DLY UNITS: m
  - RESTORE
  - INFORMATION

This option resets the device to the following values:
- PRESET: loud
- LPF: AlTop
- DIMMING: on
- LOGO: on
- MENU LOCK: off

- **OPTIONS MENU**
  - RESTORE
  - INFORMATION

- **OPTIONS MENU**
  - RESTORE
  - INFORMATION

- **OPTIONS MENU**
  - RESTORE
  - INFORMATION
The altea 700 series systems include wireless connectivity for streaming audio and/or system’s management. By the use of the free APP DASlink users can send audio up to 2 devices (Master + Slave) and control/monitor them changing parameters and creating custom presets. First Step is going to the WIRELESS Audio Sub-menu in the master cabinet:

### WIRELESS SYMBOL:
- **WIRELESS AUDIO**
- **WIRELESS AUDIO STATUS: not linked**

<table>
<thead>
<tr>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BACK</td>
</tr>
</tbody>
</table>

**CREATE A NEW LINK**

**MASTER & SLAVE**

- **CREATE NEW LINK**: < SLAVE: R >
- **CONTINUE**

**SINGLE Mode**

- **CREATE NEW LINK**: SINGLE: L+R >
- **SELECT MODE**

- **CREATE NEW LINK**: Slave device to:
  - ALTEA-715A-0519FA

**Master & Slave**

- **CREATE NEW LINK**: Select Mode:
  - MASTER: L >
  - SLAVE: R >

**Waiting MASTER connection**

- **CONTINUE**

**Connecting Slave unit**

- **ALTEA-715A-0519FA**

**Selecting MASTER L mode**

- **CREATE NEW LINK**: Select Mode:
  - MASTER: L >

**SWITCHING MODES**

- **SINGLE Mode**: Master & Slave
- **Master & Slave Mode**: MASTER: L > DASlink > SLAVE: R >

**Slave Device**

- **Creating Slave unit**

**Phone/tablet**

- **Bluetooth**
  - **Activado**

**Adding Slave Unit**

- **NEW CONNECTION**

- **Wait a minute**

**Connecting Slave unit**

- **ALTEA-715A-0519FA**

**Selecting SLAVE R mode**

- **CONTINUE**

**Creating Slave unit**

- **ALTEA-715A-0519FA**

**Connecting Slave unit**

- **CONTINUE**

**Sound Control**

- **SINGLE Mode**: Master & Slave
- **Master & Slave Mode**: MASTER: L > DASlink > SLAVE: R >

**Summary**

- The altea 700 series systems include wireless connectivity for streaming audio and/or system’s management. By the use of the free APP DASlink users can send audio up to 2 devices (Master + Slave) and control/monitor them changing parameters and creating custom presets. First Step is going to the WIRELESS Audio Sub-menu in the master cabinet.
# TROUBLESHOOTING

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
</table>
| No sound from the unit. The input meters in the screen do not show any signal presence. | 1 - The signal source is sending no signal.  
2 - Input gain controls are at minimum position.  
3 - Defective cable.  
4 - If Wireless Audio is connected input 1 which controls audio is at minimum position or Volume of the source is muted. | 1 - Check that the source is not muted and is sending signal to the unit.  
2 - Check input gain controls. Put them at 0dB.  
3 - Check that the cable from the source to the unit is connected correctly. Replace the cable if defective.  
4 - Adjust Volume of input gain control number one. |
| Full power cannot be obtained. LIMIT message never appears in the screen. | 1 - The signal source does not have enough output level.  
2 - Input gain controls are at very low volume.  
3 - Master Volume is very low. | 1 - Use balanced outputs of a mixer. Rise master output volume of the source.  
2 - Set up input gain controls at higher positions.  
3 - Increase Volume by turning up the Master Volume control. |
| Sound is distorted. INPUT CLIP message is shown.                        | 1 - The mixer or signal source is distorting.  
2 - The output level from the mixer is too high.  
3 - Input gain controls are set too high. | 1 - Turn down the mixer’s output and check no channels are distorting.  
2 - Turn down the mixer’s output.  
3 - Turn down input gain controls. |
| Sound is distorted. LIMIT message is displayed.                        | The system is overloaded and has reached maximum power.                                  | 1 - Turn down the mixer’s output.  
2 - Turn down the master output volume in the unit. |
| Hum or buzz when a mixer is connected to the unit.                     | 1 - The console probably has unbalanced outputs. You may be using an incorrect unbalanced to balanced cable.  
2 - The mixer and the powered speaker are not plugged into the same mains outlet.  
3 - The audio signal cable is too long or too close to an AC cable. | 1 - Read the appendix of this manual to make a correct unbalanced to balanced cable.  
2 - Connect the mixer and the unit to the same mains outlet.  
3 - Use a cable that is as short as possible and/or move the audio signal cable away from mains cables. |
| Hum or buzz when using lighting controls in the same building.         | 1 - The audio signal cable is too long or too close to the lighting cable.  
2 - On a sound system with three phase AC, the lighting equipment and the unit are connected to the same phase. | 1 - Move the audio signal cable away from lighting cables. Try to find out at what point the noise is leaking into the system.  
2 - Connect the sound system to a different phase than the lights. You may need the help of an electrician. |
| The screen does not light up when the mains connector is connected and the power switch ON. | 1 - Bad or loose AC connection to the unit or the mains outlet.  
2 - Faulty AC cable.  
3 - Blown Fuse.  
4 - The mains voltage is out of range.  
5 - Damaged amplifier. | 1 - Check your connections.  
2 - Check the cables, connectors and AC power with a suitable mains tester.  
3 - Replace the blown fuse with another of the same type and size.  
4 - If the multimeter determines that the mains voltage is out of the range you may need the assistance of an electrician to find an appropriate solution.  
5 - Contact a qualified tech service center. |
This manual contains needed information for flying DAS Audio cabinets, description of the elements and safety precautions. To perform any operations related to flying the system, read the present document first, and act on the warnings and advice given. The goal is to allow the user to become familiar with the mechanical elements required to fly the acoustic system, as well as the safety measures to be taken during set-up and teardown.

Only experienced installers with adequate knowledge of the equipment and local safety regulations should fly speaker boxes. It is the user’s responsibility to ensure that the systems to be flown (including flying accessories) comply with state and local regulations.

The working load limits in this manual are the results of tests by independent laboratories. It is the user’s responsibility to stay within safe limits. It is the user’s responsibility to follow and comply with safety factors, resistance values, periodical supervisions and warnings given in this manual. Product improvement by means of research and development is on going at DAS. Specifications are subject to change without notice.

It is common practice to apply 5:1 safety factors for enclosures and static elements. For slings and elements exposed to material fatigue due to friction and load variation the following ratios must be met; 5:1 for steel cable slings, 4:1 for steel chain slings and 7:1 polyester slings. Thus, an element with a breaking load limit of 1000 kg may be statically loaded with 200 kg (5:1 safety factor) and dynamically loaded with 142 kg (7:1 safety factor).

When flying a system, the working load must be lower than the resistance of each individual flying point in the enclosure, as well as each box. Hanging hardware should be regularly inspected and suspect units replaced if in doubt. This is important to avoid injury and absolutely no risks should be taken in this respect. It is highly recommended that you implement an inspection and maintenance program on flying elements, including reports to be filled out by the personnel that will carry out the inspections. Local regulations may exist that, in case of accident, may require you to present evidence of inspection reports and corrective actions after defects were found.
Flying with eyebolts

Each rigging point has a 30 kg (66 lb) working load limit. Then choose the slings or chains of required load resistance and length, bearing in mind that the length difference between the front and back slings or chains will determine the vertical orientation. Alternatively, the back bottom eyebolt points can be used to provide vertical orientation.

The ANL-1 set is an optional set of four eyebolts and three carabiners. (Dimensions are in millimeters).

![ANL-1 diagram]

Each ANL-1 eyebolt has a rated working load of 140 kg (308 lb). Each ANL-1 carabiner has a working load of 910 kg (2002 lb). If using other hardware, make sure it is rated to handle the required load.

When using eyebolts it is important to bear in mind that the rated working load is only true for a load applied in the plane of the eye, and is significantly reduced for other angles. The drawing illustrates the concept. The table shows the variation of the working load as a function of the load angle. In the case of the ANL-1 eyebolt, this means that the 30 kg working load becomes 9 kg at 45 degrees. Do not use eyebolt flying if the load angle is higher than 45 degrees.

<table>
<thead>
<tr>
<th>% Working load</th>
<th>0 Degrees</th>
<th>30 Degrees</th>
<th>45 Degrees</th>
<th>More than 45 Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>100%</td>
<td>65%</td>
<td>30%</td>
<td>25%</td>
</tr>
</tbody>
</table>

The following illustrations show different views on eyebolt flying for a single box. The length of the back cables or chains determines the vertical angle of the box.
Wall mounting bracket

The **AX-112-5** is a wall mounting bracket designed for various models (WLL=25kgf).

The **AX-112-5** bracket has been designed to be wall mounted in the vertical position only. Any other position is a safety hazard.

Wall plugs provided are to be used in brick walls only. For other wall materials, source the suitable wall plug before use.

**DAS Audio Group** is not responsible for use other than the recommended. Use only the screws and wall plugs supplied on surfaces that will provide sufficient support. Do not use on surfaces such as plaster, and gypsum.

Contact a licensed rigger if there is any doubt.

**Mounting instructions**

1.- Mark the 6 holes on the wall using the template provided on right-hand side of this page.

2.- Drill the six holes and insert the wall plugs.

3.- Set the bracket into position and tighten 5 of the 6 hexagonal-headed screws.

4.- Affix an end of the cable to the bracket using the sixth hexagonal-headed screw.

5.- Screw (F) to the enclosure using 4 hexagon socket head cap screws and 4 Grower (lock) washers.

6.- Lift the enclosure and slide it down so that (F) fits into the bracket.

7.- Aim the enclosure as needed and proceed to secure it by tightening screws (D) with the suitable Allen (hex) wrench and tighten screw (E).

8.- Affix the free end of the cable to the hole in (F).
ANNEX: Line connections: unbalanced and balanced

There are two basic ways to transport an audio signal with microphone or line level:

Unbalanced line: Utilising a two conductor cable, it transports the signal as the voltage between them. Electromagnetic interference can get added to the signal as undesired noise. Connectors that carry unbalanced signals have two pins, such as RCA (Phono) and ¼” (6.35mm, often referred to as jack) mono. 3 pin connector such as XLR (Cannon) may also carry unbalanced signals if one of the pins is unused.

Balanced line: Utilising a three conductor cable, one of them acts as a shield against electromagnetic noise and is the ground conductor. The other two have the same voltage with respect to the ground conductor but with opposite signs. The noise that cannot be rejected by the shield affects both signal conductors in the same way. At the device's input the two signals get summed with opposite sign, so that noise is cancelled out while the programme signal doubles in level. Most professional audio devices use balanced inputs and outputs. Connectors that can carry balanced signal have three pins, such as XLR (Cannon) and ¼” (6.35mm) stereo.

The graphs that follow show the recommended connection with different types of connectors to balanced processor or amplifier inputs. The connectors on the left-hand side come from a signal source, and the ones on the right hand side go to the inputs of the processor or amplifier. Note that on the unbalanced connectors on the left-hand side, two terminals are joined inside the connector. If hum occurs with balanced to balanced connections, try disconnecting the sleeve (ground) on the input connector. Note that the illustrations show what should be connected to what, but that pin locations on an actual XLR connector are different. Also, pin 2 hot is assumed on XLR connectors.

---

Balanced XLR (Cannon) to Balanced XLR

Unbalanced XLR (Cannon) to Balanced XLR

Balanced 1/4" (Jack) to Balanced XLR (Cannon)

Unbalanced 1/4" Jack to Balanced XLR (Cannon)

RCA (Phono) to Balanced XLR (Cannon)

Balanced 1/4" (Jack) to Balanced 1/4" (Jack)

Unbalanced 1/4" (Jack) to Balanced 1/4" (Jack)

RCA (Phono) to Balanced 1/4" (Jack)