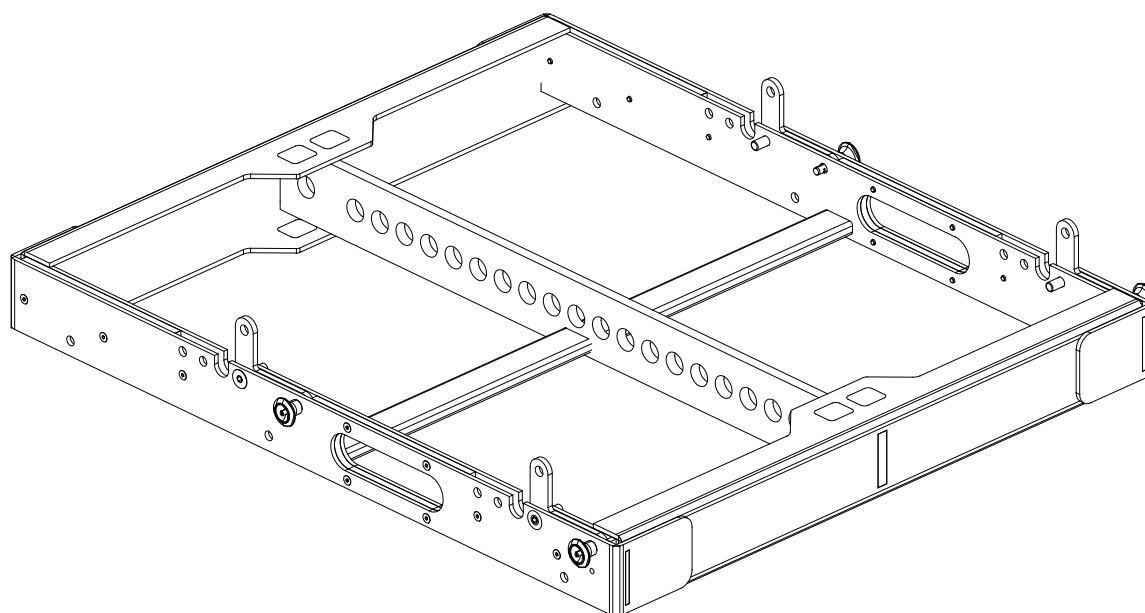




THV21-18VR Top Grid

Product Information

Version 1.0



Keep these important operating instructions.
Check www.tecnare.com for updates.

General Information

THV21-18VR Product information

Ver.: 1.0 10/2018

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The information contained in this manual has been carefully checked for accuracy, at the time of going to press, however no guarantee is given with respect to the correctness.

Exel Acoustics SL accepts no responsibility for any errors or inaccuracies that may appear in this manual or the products and software described in it. Technical specifications, dimensions, weights and properties do not represent guaranteed qualities. As manufacturers we reserve the right to make alterations and modifications within the framework of legal provisions, as well as changes aimed at improving quality.

EXEL ACOUSTICS SL

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IMPORTANT SAFE INSTRUCTIONS

Before using our product, be sure to carefully read the manual and safe Instructions. Keep this document with the device all time.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all SAFETY INSTRUCTIONS as well DANGER and OBLIGATION warnings.
- 5 Only use attachments / accessories specified by the manufacturer.
- 6 **SAFETY STATEMENT FOR RIGGING.** This Statement assumes that the owners and/or users are familiar with the rigging techniques and safety recommendations outlined in this manual. Many issues of crucial concern, such as the determination of appropriateness and condition of venue rigging points, cannot be addressed here. Therefore, the user must assume all responsibility for the appropriate use of rigging systems in any particular location or circumstance.
- 7 **PERSONNEL HEALTH AND SAFETY.** During installation and set-up personnel should wear protective headgear and footwear at all times. Under no circumstances personnel should climb on the loudspeaker assembly.
- 8 **INSPECTION AND MAINTENANCE.** The rigging systems are an assembly of mechanical devices, and are therefore subject to wear and tear over prolonged use, as well as damage from corrosive agents, extreme impact, or inappropriate use. Because of the safety issues involved, all system components must be inspected before use in order to detect any possible defects.
- 9 **LOAD RATING AND SPECIFICATIONS.** Load capacity and setup safety limits when flying or stacking a loudspeaker assembly should be strictly followed according to the instructions outlined in this manual.
- 10 **LOCAL REGULATIONS.** The suspension of large, heavy objects in public places is subject to numerous laws and regulations at the national/federal, state/provincial, and local levels. It is the user's responsibility to verify that any overhead suspension of TECNARE systems has been made in accordance with all applicable local regulations in any particular circumstance or venue conforms to all applicable laws and regulations in force at the time.
- 11 **FLYING A LOUDSPEAKER SYSTEM**
Always verify that nobody is standing underneath the loudspeaker assembly when it is being raised. As the system is being raised check each individual component to make sure that it is securely fastened to the component above. Never leave the system unattended during the installation process. As a general rule, EXEL ACOUSTICS recommends the use of safety slings at all times.
- 12 **STACKING A LOUDSPEAKER SYSTEM.**
Do not ground stack the system on unstable ground or platform. If the system is ground stacked on a structure, platform, or stage always check that the latter can support the total weight of the system. As a general rule, EXEL ACOUSTICS recommends the use of safety straps at all times
- 13 When a loudspeaker assembly is deployed in an open air environment, wind effects should be taken into account. Wind can produce dynamic stress to the rigging components and suspension points. If the wind force exceeds 6 B (Beaufort scale) it is highly recommended to lower down and/or secure the loudspeaker assembly.
- 14 **REPLACEMENT PARTS.** Any component found to be defective, or any safety-related component you even suspect might be defective, should be replaced with the equivalent, approved part. Parts specific to a rigging system should be ordered directly from Exel Acoustics. No attempt should be made to substitute what appears to be equivalent or "mostly the same" generic replacements. Therefore, EXEL ACOUSTICS is not responsible for problems caused by components that were not supplied by EXEL ACOUSTICS.

SYMBOLS USED

		
Important operating instructions	Additional information	OBLIGATION. This instructions must be strictly followed
Pour indequer important Instructions	Information complémentaire	Obligation. Cela doit être strictement instructions Suivi
Wichtige Betriebsanweisung oder Gebrauchsanleitung sanleitung	Informationen. Zusätzliche Informationen	Pflicht. Diese Anweisungen müssen strikt befolgt
Importantes instrucciones operativas	Información complementaria	Obligación. Estas instrucciones deben ser estrictamente seguidas

DECLARACIÓN DE CONFORMIDAD **DECLARATION OF CONFORMITY**

EXEL ACOUSTICS SL

CL Encinar, 282. Polígono Industrial Monte Boyal. 45950 – Casarrubios del Monte (Toledo), España (Spain).

Declara que los siguientes productos:

- *Marco de voladura*

cumple con las directivas:

Declare under our sole responsibility that devices

- *THV21-18VR*

comply with relating Directives:

- (1) Directiva 2006/42/CE relativa a las máquinas.
- (2) Norma UNE-EN ISO 12100:2012 Relativa a la seguridad de las máquinas.
- (3) RD 1644/2008

- (1) *Machinery Directive 2006/42/EC*
- (2) *Mechanical Safety UNE-EN ISO 12100:2012 (Applied in Spain)*
- (3) *RD 1644/2008 (applied in Spain)*



1 Introduction

1.1 Welcome to Tecnare®

Thank you for choosing the high-quality Tecnare® **Sound System “Made in Spain”** from **EXEL ACOUSTICS SL**. The shipping carton should contain:

- 01 x THV21-18VR
- 04 x Round-shaped quick-release ball pin-lock

Each Tecnare product is tested and inspected before leaving the factory and should arrive in perfect condition.

After the careful opening of the shipping carton, check for any noticeable damage. If so, notify the shipping company or the distributor immediately. Only the consignee may initiate a claim with the carrier for damage incurred during shipping.

Be sure to save the carton and packing materials to be inspected by the carrier.

Carefully read this document in order to become familiar with the product and to identify the external documents containing essential information on installing and operating the product properly and safely. Product documents are freely available on the Tecnare web site: www.tecnare.com

As part of a continuous evolution of techniques and standards, Exel Acoustics SL as manufacturer of Tecnare® products reserve the right to change the specifications of its products and the content of its documents without prior notice.

Updates and supplementary information are available on the Tecnare® website:


<http://www.tecnare.com>

Tecnare Technical Support is available at:

- (T): +34 918 170 110 - +34 918 171 001
- (e-mail): support@tecnare.com

Thank you again for placing your confidence in Tecnare® products.

1.2 Service, Inspection & Maintenance.

 **CAUTION:** Always follow the basic precautions to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

- Before doing any installation or construction work, consult with an installation expert.
- Make sure that the surface this bracket is being mounted on has the strength to handle the weight of both the speaker and this bracket.
- Use bolts and nuts as well as washers for installation and tighten them firmly so that the speaker is secure and does not move.
- Always loosen the corresponding screw before adjusting the angle or direction of the speaker. Never force this adjustment with the screw still tightened.
- Some fittings may deteriorate over extended periods of time due to wear and/or corrosion. For optimum safety, the installation should be checked thoroughly at regular intervals.



Exel Acoustics cannot be held responsible for damage or injury caused by insufficient strength of the support structure or improper installation.

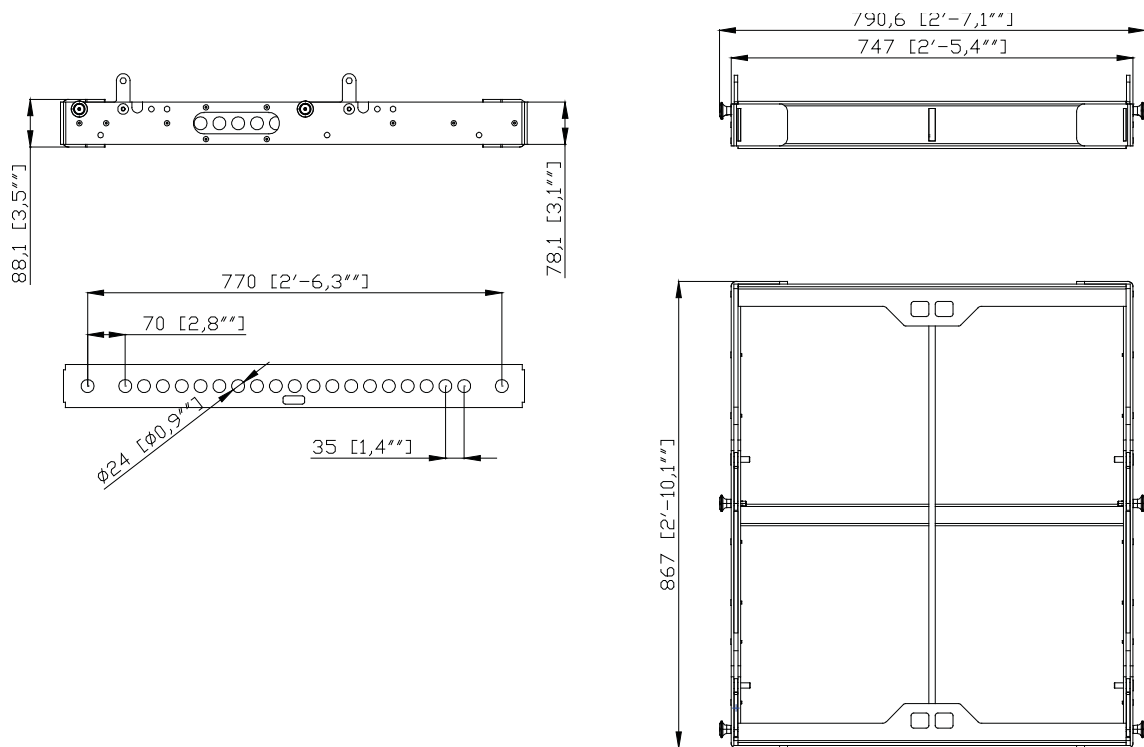
Any maintenance not recommended by Exel Acoustics will void the warranty.

- Illustrations herein are for explanatory purposes only, and may not match actual appearance during operation.
- Company names and product names herein are trademarks or registered trademarks of their respective companies.
- Since specifications, equipment or options may not be the same in every locale, please check with your Tecna dealer.

2 THV21-18VR TOP GRID SPECIFICATIONS

- Rigging Frame designed to fly or stack CLa21 and SW-18VR enclosures
- Be used in Vertical hanging/stacking
- Material: High-grade steel with anticorrosive primer coating
- Weight (net): 31 kg /68.34 lbs.

2.1 THV21-18VR Grid DIMENSIONS



⚠ Rigging Procedure: For complete information on rigging hardware, refer to the "CLa21-18VR_Rigging Assembly Guide" available at www.tecnare.com

3 Maintenance



CAUTION:

In order to ensure performance and safety, always check and inspect regular and before the use all the parts of the system that are used for rigging. Always replace parts that results damaged or in not perfect conditions. **DO NOT USE THE AFFECTED PARTS.**



REPAIRING:

Tecnare could provide replacement kits. Any other repair work is not authorized and will invalidate the warranty. For any specific repair or for additional information about the warranty, contact a Tecnare® dealer.

The following parts must be regularly inspected:

- **THV21-18VR Grid:** Visual inspection, Soldering inspection, screw securely fixed inspection, screw corrosion inspection, pin-hole inspection using a pin.
- **GUIDE ARM LINK:** Visual inspection, screws securely fixed inspection, pin-holes inspection using a pin.
- **QUICK RELEASE PINS:** Visual inspection, working test
- **FRONT AND REAR METAL CORNERS:** Visual inspection, soldering inspection.

1 Introducción

1.1 Bienvenido a Tecnare®

Gracias por elegir un producto Tecnare® “Fabricado en España” por EXEL ACOUSTICS SL. El paquete de envío debe contener:

- 01 x Marco de Voladura THV21-18VR
- 04 x Pines redondos de bola de cierre rápido

Cada producto Tecnare se prueba e inspecciona antes de salir de fábrica y debe de llegarle en perfectas condiciones.

Después de abrir cuidadosamente el paquete verifique si se han producido daños durante el transporte. De ser así notifíquese a la compañía de transportes o a su distribuidor de inmediato. Solo el destinatario puede iniciar una reclamación con el transportista por daños producidos durante el envío.

Asegúrese de guardar los embalajes originales para que el transportista los inspeccione.

Lea atentamente este documento para familiarizarse con el producto e identificar los documentos extra que contienen información esencial sobre como instalar y utilizar el producto de manera segura y adecuada. Los documentos del producto están disponibles gratuitamente en nuestra página web Tecnare: www.tecnare.com

Como parte de una evolución continua en las técnicas y estándares de fabricación, Exel Acoustics SL como fabricante de los productos Tecnare® se reserva el derecho de cambiar las especificaciones de sus productos y el contenido de sus documentos sin previo aviso.


Visite regularmente nuestra página web Tecnare® <http://www.tecnare.com> para obtener actualizaciones e información complementaria de nuestros productos.

Soporte técnico Tecnare está disponible en:

- (T): +34 918 170 110 - +34 918 171 001
- (e-mail): support@tecnare.com

Gracias de nuevo por confiar en productos Tecnare®.

1.2 Inspección y Mantenimiento.

 **PRECAUCIÓN:** Siga siempre las precauciones básicas de seguridad para evitar la posibilidad de lesiones graves o incluso la muerte por descargas eléctricas, cortocircuitos, daños, incendios u otros peligros. Estas precauciones incluyen entre otras, las siguientes:

- Antes de realizar cualquier trabajo de instalación o construcción, consulte con un experto en instalación.
- Asegúrese de que la superficie sobre la que se monta este soporte tenga la fuerza para soportar el peso tanto del altavoz como de este soporte.
- Use tornillos, tuercas y arandelas para la instalación y apriételes firmemente para que el altavoz esté seguro y no se mueva.
- Afloje siempre el tornillo correspondiente antes de ajustar el ángulo o la dirección del altavoz. Nunca fuerce este ajuste con el tornillo aún apretado.
- Algunos accesorios pueden deteriorarse con el paso del tiempo debido al desgaste y / o la corrosión. Para una seguridad óptima, la instalación debe revisarse minuciosamente a intervalos regulares.



Exel Acoustics no se hace responsable de los daños o lesiones causados por una resistente insuficiente de la estructura de soporte o una incorrecta instalación.

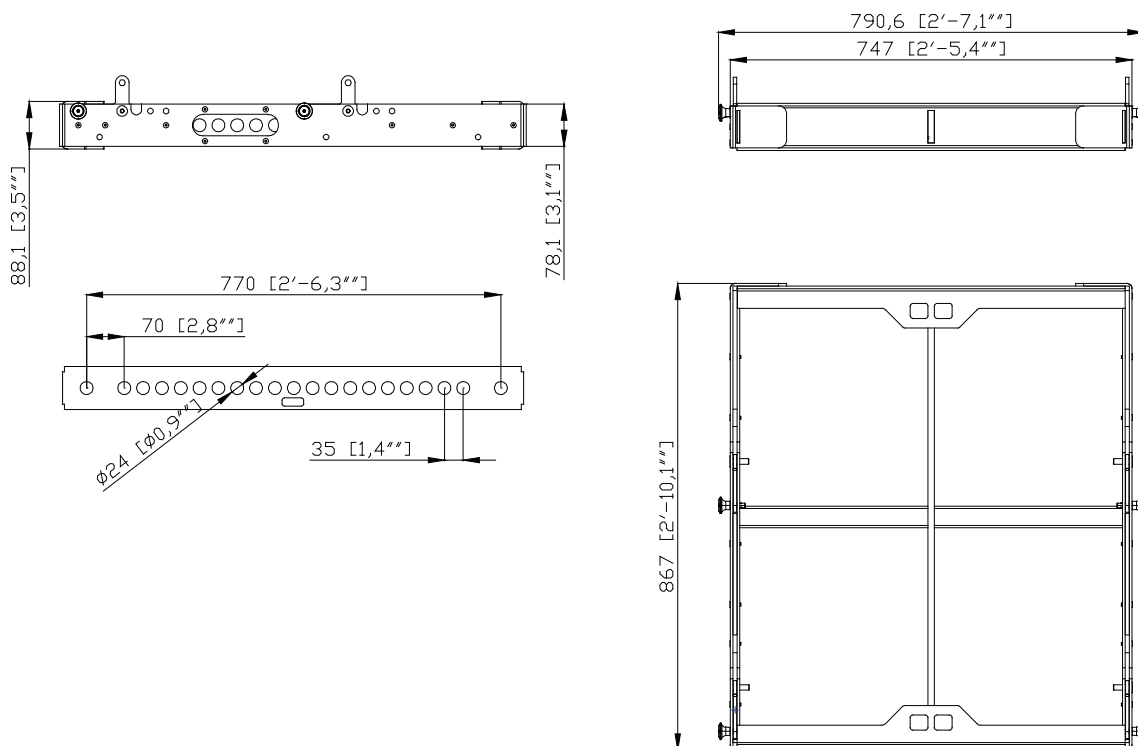
Cualquier mantenimiento no recomendado por Exel Acoustics anulará la garantía.

- Las ilustraciones en este documento son solo para fines explicativos y pueden no coincidir enteramente con la apariencia real durante el montaje.
- Los nombres de compañías y productos aquí nombrados son marcas comerciales registradas por sus respectivas compañías.
- Debido a que las especificaciones, los equipos u opciones pueden ser distintos dependiendo de la localidad, consulte con su distribuidor Tecnore.

2 ESPECIFICACIONES DEL MARCO DE VOLADURA THV21-18VR

- Marco de soporte diseñado para volar / apilar cajas CLa21 y SW-18VR
- Se utiliza para colgar/apilar en Vertical
- Material: Acero de alta calidad con imprimación anticorrosiva
- Peso (neto): 31 kg / 68.34 lbs.

3.1 DIMENSIONES DEL MARCO THV21-18VR



⚠ Procedimiento de Colgado: Para obtener información completa sobre el hardware de montaje, consulte la "Guía de montaje de CLa21-18VR" disponible en www.tecnare.com

3 MANTENIMIENTO



PRECAUCIÓN:

Con el fin de garantizar la seguridad y el rendimiento del equipo, siempre revise e inspeccione regularmente y antes de su uso, todas las partes de este marco de voladura. Siempre reemplace las partes que se encuentren dañadas o en condiciones no aptas. NO UTILICE NUNCA PARTES QUE SE ENCUENTREN DAÑADAS.



REPARACIÓN:

Tecnare puede proporcionarle kits de reemplazo. Cualquier otro trabajo no está autorizado e invalidará la garantía. Para cualquier reparación específica o información adicional, comuníquese con un distribuidor Tecnare®.

Las siguientes partes deben ser inspeccionadas regularmente:

- **Marco THV21-18VR:** Inspección visual, inspección de soldadura, inspección de tornillos firmemente fijados, inspección de corrosión de tornillos, inspección de orificios de pasadores utilizando un pasador.
- **ALDABAS DE UNIÓN:** Inspección visual, inspección de tornillos firmemente fijados, inspección de orificios de pasadores utilizando un pasador.
- **PINES DE LIBERACIÓN RÁPIDA:** Inspección visual, Prueba de trabajo.
- **ESQUINAS METÁLICAS DELANTERAS Y TRASERAS:** Inspección visual, inspección de soldadura.

Reinventing The Rules



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HG-2 Ceiling Bracket Product Information

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