



# ELECTRONICS GUIDE: TIMEZERO & FURUNO SENSORS COMPATIBILITY

El sistema de gestión de calidad de DAHLBERG S.A. obtuvo su aprobación original ISO 9001 el 18 de octubre 2003, el cual se ha mantenido en vigor hasta la fecha, aprobado por **Lloyd's Register Quality Assurance España S.L.U.**, de acuerdo con la Norma de Sistema de Gestión de Calidad **ISO 9001:2015**. Esta certificación está avalada por **UKAS Management Systems**





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## 1. INTRODUCTION

From DAHLBERG S.A. We offer you the TimeZero mapping technology for your boat.

This program offers an easy user interface and touch screens

Timezero is oriented to sea professionals (professional fishing and workboats). Sold without cartography, its main features will be advanced layer management, card compatibility, integration with Furuno radars ...

FURUNO's wide and varied range of equipment offers maximum functionality, while providing intuitive operation and making the browsing experience more enjoyable.

Below we provide all the compatibility with Timezero with FURUNO products.

## 2. NAVNET

		v2	v3.0	v3.2	v3.3	v4.0
<b>NAVNET</b>	NMEA183 Data NavNet (Vx2 / NN3D / TZT / TZT2)	YES	YES	YES	YES	YES
	NN3D Chart server	YES	YES	NO	NO	NO
	Routes & Waypoints Synchronization NavNet Vx2	NO	NO	NO	NO	NO
	Routes & Waypoints Synchronization NavNet 3D	YES	YES	YES	YES	NO
	Routes & Waypoints Synchronization NavNet TZT	YES	YES	YES	YES	NO
	Routes & Waypoints Synchronization NavNet TZT2	NO	NO	YES	YES	YES (5)

**(5)** TZtouch 2 firmware v7 required for User Object (Routes/Marks/Boundaries) synchronization with TZ (release Q1 2020)



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### 3. RADAR

		v2	v3.0	v3.2	v3.3	v4.0
<b>RADAR</b>	Overlay DRS2D / DRS4D / DRS4A / DRS6A / DRS12A / DRS25A	YES	YES	YES	YES	YES
	Overlay DRS4DL	NO	NO	YES	YES	YES
	Overlay DRS4D-NXT	NO	NO	YES	YES	YES
	Overlay DRS6A-NXT	NO	NO	YES	YES	YES
	Overlay DRS6A-XCLASS	NO	NO	YES	YES	YES
	Overlay DRS12A-XCLASS	NO	NO	YES	YES	YES
	Overlay DRS25A-XCLASS	NO	NO	YES	YES	YES
	Overlay FAR15x8	NO	NO	YES	YES	YES
	Overlay FAR15x3	NO	NO	YES (1)	YES (1)	YES
	Overlay FAR2xx7	YES	YES	YES	YES	YES
	Overlay FAR2xx8	NO	NO	NO	YES	YES
	Overlay FAR3xxx	NO	NO	YES	YES	YES
Overlay DRS4W	NO	NO	NO	NO	NO	

(1) Target Analyzer of FAR15x3 not supported in TIMEZERO

### 4. SOUNDER

		v2	v3.0	v3.2	v3.3	v4.0
<b>SOUNDER</b>	Sounder BlackBox Ethernet (DFF1, DFF1-UHD, DFF3, BBDS1)	YES	YES	YES (2)	YES (2)	YES (2)
	Internal Sounder TZT2	NO	NO	YES	YES	YES
	Sounder FCV1150	YES (3)	YES (3)	YES (3)	YES (3)	YES
	Sounder FCV1900	NO	NO	NO	NO	NO
	Sounder DFF-3D	NO	NO	NO	YES (4)	YES (4)

(2) Improved TD-ID support

(3) FCV1150 User Modes not supported in TIMEZERO

(4) DFF-3D Compatibility only available with TZ Professional (requires the PBG Module)



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## 5. CAMERA

		v2	v3.0	v3.1	v3.2	v3.3	v4.0
<b>CAMERA</b>	Camera FLIR M Series	AXIS Converter Mpeg4	AXIS Converter Mpeg4/H264	AXIS Converter Mpeg4/H264	AXIS Converter Mpeg4/H264	AXIS Converter Mpeg4/H264	AXIS Converter Mpeg4/H264
	Camera FLIR M 400	NO	NO	AXIS Converter Mpeg4/H264	AXIS Converter Mpeg4/H264	YES	YES
	Camera FLIR M 500	NO	NO	NO	NO	NO	YES
	Camera FLIR M 232	NO	NO	NO	YES	YES	YES
	Camera FLIR M 100	NO	NO	NO	NO	NO	NO
	AXIS	Mpeg4	Mpeg4/H264	Mpeg4/H264	Mpeg4/H264	H264	H264
	Generic Fixed Camera	NO	NO	NO	NO	NO	H264

## 6. WASSP

		v2	v3.0	v3.1	v3.2	v3.3	v4.0
<b>WASSP</b>	WASSP G1 <b>WMB-160F/WMB-80F</b> Depth + Backscatter data	YES	YES	NO	YES	YES	YES
	WASSP G2 <b>WMB-3230/WMB-5230/WMB-3250</b> Depth + Backscatter + Navigation data	YES	YES	NO	YES	YES	YES
	WASSP G2 <b>WMB-3250 (Survey)</b> Depth + Backscatter + Navigation data	YES	YES	NO	NO	YES	YES
	WASSP G3 <b>S3/F3/F3L/F3X</b> Depth + Backscatter + Navigation data + Display	NO	NO	NO	NO	YES	YES



Fuentes:

- DAHLBERG S.A.
- Timezero

[www.dahlberg-sa.com](http://www.dahlberg-sa.com)

[info@dahlberg-sa.com](mailto:info@dahlberg-sa.com)  
[dep.comercial@dahlberg-sa.com](mailto:dep.comercial@dahlberg-sa.com)  
[dep.pedidos@dahlberg-sa.com](mailto:dep.pedidos@dahlberg-sa.com)  
[dep.tecnico@dahlberg-sa.com](mailto:dep.tecnico@dahlberg-sa.com)

**DAHLBERG S.A.**

C/Gremi Passamers, 8  
Polígono Son Rossinyol  
07009 - Palma de Mallorca  
Islas Baleares – España

+34 971 77 47 51  
+34 609 41 44 92