

Welcome to the May edition of the SKIPPER Newsletter.

Sales

DL850 accuracy developments:

There have been some questions about long term accuracy and calibration of the SKIPPER DL850 Doppler Speed Log.

With a general interest in efficiency of vessels, and many efficiency measurements being based on Speed Through Water (STW) from the speed log. The data from the speed log is becoming more and more vital.

We are trying to improve our speed log product range to make the results less sensitive to environmental changes and reduce the amount of user interaction. We are adding some extra functions in the SKIPPER DL850 software to reduce these errors. These functions are under tests, but already available for all.

Please share your experiences, and let us know if you want us to help you try these new functions.

[For more information enter here!](#) (Appendix 5)

Printer for SKIPPER Echo Sounders:

For many years the Epson LQ300 has been our default printer. This is no longer available, but is replaced by the LQ350. This uses the same driver as the LQ300, but on the GDS102 you will need to upgrade the software to V 1.12.09. The part number for the new printer is EN104-SB.

Company evaluation

SKIPPER would like your feedback regarding our products and service. The evaluation will take 2 minutes. [Please access the evaluation here!](#)

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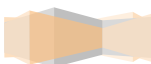
Technical

Updates on most display software

As new alarm standards are implemented on vessels, we have been made aware that some SKIPPER NMEA outputs have occasional checksum errors. Our development department has tracked down these bugs and made new software versions. These are available for download from the SKIPPER website. We have also added other improvements on many of the products.

Planned SKIPPER service trainings 2014

The following courses are planned for 2014, please let us know if you intend to come to these so we can plan numbers of courses and contents. In addition 2014 will see the launch



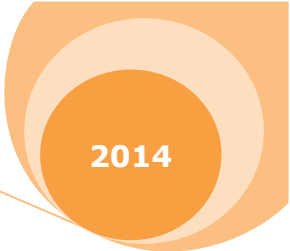
of a number of new products and a shorter sales based courses will be held at a number of locations.

Date	Duration (days)	Course type	Continent	Country
24 th – 26 th June	3	Service	North America	U.S.A, Ft. Lauderdale. L-3 G.A.International
15 th – 18 th September	3,5	Service	Europe	Oslo, Norway. SKIPPER Electronics AS
28 th -31 st October	3,5	Service	China	Shanghai Marine Radio& Navigation Aids Service Center
3 rd – 6 th November	3,5	Service	China	Shanghai Marine Radio& Navigation Aids Service Center

Unfortunately we are not able to show the DL2 and DL21 during the training in Ft. Lauderdale in June.

Training details 3,5 days

Day 1	Day 2	Day 3	Day 4
09.00AM-05.00PM	09.00AM-05.00PM	09.00AM-05.00PM	09.00AM-01.00PM
Echo sounders	Speed Logs	Bottom Equipment	New Multi series Speed logs
Principles	IMO requirements	Tanks / Sea Valves	DL1 Multi. 1-axis STW
The Systems	Doppler principle	Positioning	DL2 2-axis STW+SOG
GDS101	Electromagnetic log principles	Installation in the hull.	DL21 Speed log STW+SOG for vessels > 50.000GT
GDS102	DL850 270kHz Dual axis STW+SOG	DL-1 Single axis Doppler Speed Log	
ETT985 Echo sounder simulator/tester	EML 224 Dual axis STW		



Training details 3 days

Day 1	Day 2	Day 3
09.00AM-05.00PM	09.00AM-05.00PM	09.00AM-05.00PM
Echo sounders	Speed Logs	EML 224 Dual axis STW
Principles	Navigational speed log requirements	The EML 224 Graphic display
The Systems	Doppler principle	The EML 224 Compact display
	Electromagnetic log principles	Software Hardware Installation Maintenance Diagnostics
GDS101 Echo sounder	DL850 270kHz Dual axis STW+SOG	DL-1 DL1 Multi
GDS101 software Hardware Installation Maintenance	Software Installation Hardware Maintenance Diagnostics	Single axis Doppler speed log
GDS102	Bottom Equipment	
Two frequencies Echo Sounder	Tanks Sea Valves Positioning of bottom parts	
ETT985		
Echo sounder simulator and Transducer tester		

Best regards,



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