

TECHNICAL UPDATE

Product **DST810 Smart Transducer**
Description **E70617 = Current DST810 Smart Transducer**
& Models: **E70667 = New (July 2022) DST810 Smart Transducer**

Subject: **DST810 Smart Transducer Hardware & Software enhancements**

This technical update is to inform you of changes to the DST810 Smart Transducer – both Hardware and Software related.

A new part number is being generated for the new Gen2 DST810:

E70617 = 'Existing' DST810 Smart transducer



E70667 = 'New' DST810 Smart Transducer (~ July 2022 onwards)



The new E70667 is replacing the original E70617. Once stock is exhausted for the E70617, product replacements & new orders will be the E70667.

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RAYMARINE	DISTRIBUTOR & SERVICE DEALER	INSTALLING DEALER	BOATBUILDER & OEM	KEY STOCKIST & RETAILER
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Summary of Changes:

- The DST810 transducer is being modified to support an enhanced paddlewheel. The new transducer part number will be E70667.
- The paddle wheel modification provides start-up speeds below 0.3 knots providing linear performance from 0.6 knots, maintaining accurate performance up to 45 knots.
- New software also improves the resolution of the paddle wheel and reduces “jitter” – particularly useful at lower speeds.
- Other specifications for the GEN2 DST810 (E70667) remain the same as the original DST810 (E70617)
 - <https://www.aimar.com/productdescription.html?id=222>
 - Same 9ft (2.8m) SeaTalk^{NG} cable on transducer

Compatibility:

- The Gen2 paddlewheel **cannot** be retrofitted to the current (E70617) DST810 transducer or the older DST800 models. The transducer cavity needed to be modified to accommodate the size of the new paddlewheel. Additionally, because it is not presently possible to perform in-field software upgrades on the DST810, the benefit from the improved resolution is not achievable.
- Replacement paddlewheel kits for the legacy DST800 and current DST810 (E70617) transducers will still be available from Airmar.
- A replacement paddlewheel kit for the GEN2 DST810 Part Number = R70961
- The sensor insert dimensions remains the same and will retrofit in the existing through-hull housing(s):
 - TA910 / T942 / T943
- Both sensors remain compatible with Airmar’s Cast app, which connects to the transducer via Bluetooth[®]:

Display data / gauges

Configure outputs

Configure offsets and calibrate attitude



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Visual differences between the Current and Gen2 paddlewheels:



Future plans:

- Airmar plans to roll the new paddlewheel design into all analogue transducers, that will replace the current ST850 and ST800 speed/temp models. These new models will be renamed ST950 and ST900.
- This will provide the same startup speeds (below 0.3 knots) for the analogue transducers, however, the resolution modifications will not be applicable as this is currently being achieved in the DST810 Smart Transducer software (and these analogue transducers use the connected product software).

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WARRANTY ALLOWANCE (* delete row as applicable):



NO













Please note Raymarine will **NOT** be offering any warranty allowances to complete the modification/ repair/software update; dealers wishing to offer this as a service to the customer are authorised to charge whatever upgrade fee deemed reasonable for associated labour and materials.

Additional Notes

On the occasion, a software update is required during an eligible on-board repair service resolving a reported fault symptom, the labour hours submitted through the Raymarine warranty notification system should be in accordance with the Raymarine global limited warranty policy and corroborated by a detailed service report.

CONTACTING RAYMARINE TECHNICAL SUPPORT:

Primary Contact Route (globally): <https://raymarine.custhelp.com/app/>

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