Raymarine BY **FLIR**

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Raymarine iTC-5 Instrument Transducer Converter

iTC-5

Explore Features

Specifications

Ordering Information

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Transducer signals are easily converted to SeaTalk^{ng}

The Raymarine iTC-5 converts analogue transducer signals used in i70, ST70+ and ST70 instrument systems to SeaTalk^{ng}.
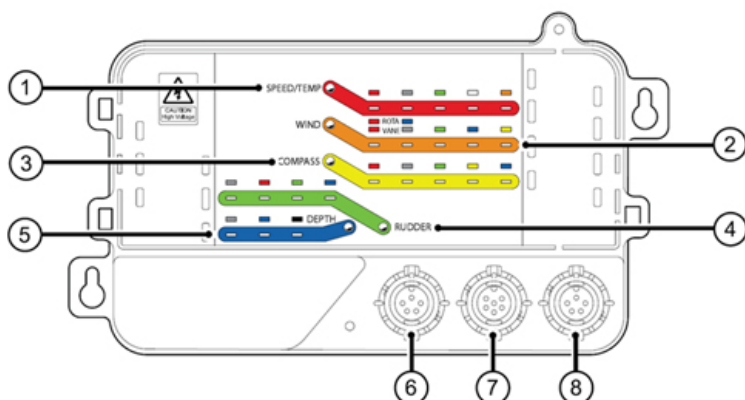
Transducers for Speed/Temperature, Depth, Wind, Rudder Angle and Fluxgate Compass can be connected to the one iTC-5 unit, eliminating the need for multiple ST70 pods.

Extended ST**ng** systems can support multiple iTC-5 units.

SeaTalk**ng** connections at the base of the unit simply connect the iTC-5 unit into the SeaTalk**ng** backbone.

Please note the ST40/i40/i50/i60 and ST60+ displays cannot calibrate the iTC-5. Only the i70 has full transducer calibration. The ST70/ST70+ can calibrate the Depth, Wind and Speed/Temp transducers (not Rudder or Compass).

If you don't have an ST70/ST70+ or i70 in your system, then the ST40/i40/i50/i60/ST60+ displays must be interfaced directly to the relevant analogue transducers

| Item	Description
1	Red - Speed and sea temperature transducer connection

| 2	Orange - Wind transducer and rotavecta connection
3	Yellow - Fluxgate compass connection
4	Green - Rudder reference transducer connection
5	Blue - Depth transducer connection
6	SeaTalk^{ng} backbone connection
7	SeaTalk^{ng} spur connection
8	Sea Talk^{ng} backbone connection

Possible systems

Note: In a SPX autopilot system the fluxgate compass and rudder reference transducer must be connected directly to the course computer and not the iTC-5.

Basic SeaTalk^{ng} System with iTC-5

1. ST70 Instrument display
2. 2 x i70 Instrument displays
3. Terminated SeaTalk^{ng} T-piece connector
4. Terminated iTC-5
5. Rudder reference transducer
6. Depth transducer
7. Fluxgate compass
8. Raymarine wind transducer or rotavecta
9. Speed and sea temperature transducer
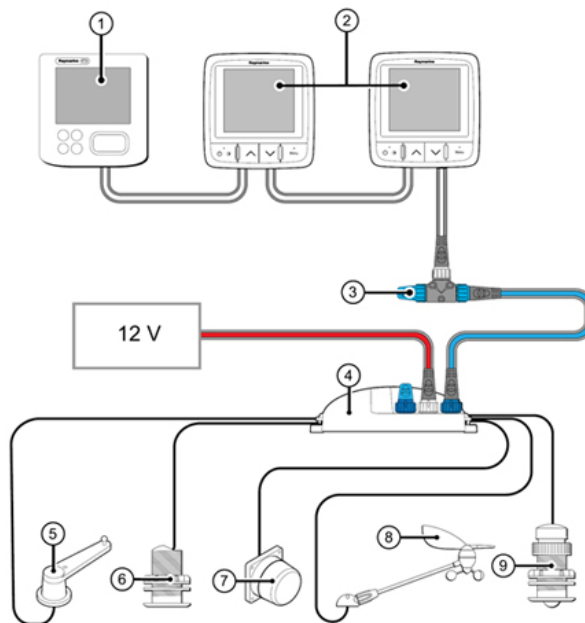
Extended SeaTalk^{ng} System with iTC-5
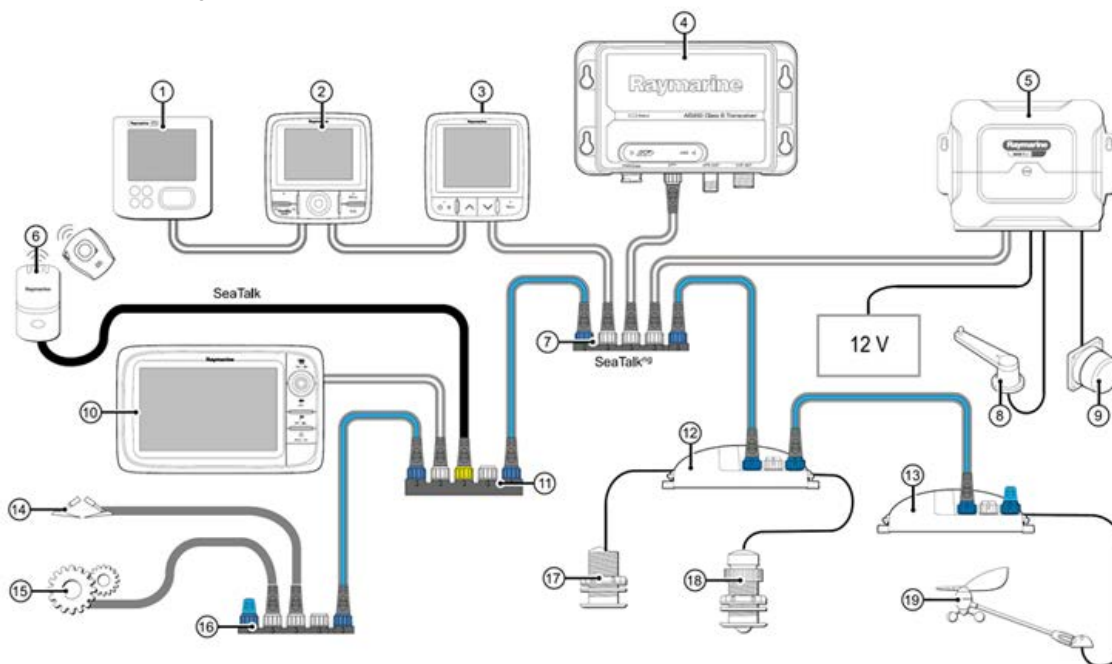
1. ST70 Instrument display
2. p70r Pilot Controller
3. i70 Instrument display
4. AIS tranceiver
5. SPX course computer (supplying 12 V power to SeaTalk^{ng} network)
6. Man Over Board (MOB)

7. SeaTalkng 5-way connector
8. Rudder reference transducer (connected via SPX)
9. Fluxgate compass (connected via SPX)
10. Multifunction display with built in GPS
11. SeaTalk to SeaTalk^{ng} converter
12. iTC-5
13. Terminated iTC-5
14. Trim tabs
15. Engine data (connected via devicenet adaptor)
16. Terminated SeaTalk^{ng} 5-way connector
17. Depth transducer
18. Speed and sea temperature transducer
19. Raymarine wind transducer or rotavecta