

# DigiFIN

## Lateral Streamer Control

### ION's Positioning Portfolio

Part of ION's integrated positioning portfolio, DigiFIN® provides lateral streamer control, acoustic positioning, and depth measurement in a single device. It's compatible with all existing streamer systems using industry standard FSK communication and deployable as steering demands dictate. Control is integrated through ION's Positioning Control System (PCS).

By controlling streamers in a lateral direction, DigiFIN allows users to maintain streamer separation, reduce the risk of streamer entanglement, improve feather matching, and accelerate line changes.



### Benefits

- Minimizes infill by actively steering the spread to achieve adequate coverage during the first pass
- Faster line changes by reducing run-in and straightening cables faster out of a turn
- Faster, safer deployment and retrieval by flaring cables to create an open fairway for multiple cables at once
- Efficiently improves positional accuracy through additional acoustic network ranges
- Reduces risk in obstructed areas by closely and safely steering around in-field obstacles
- Reduces risk of cable entanglement by maintaining constant, user-specific cable separation
- Improves spatial sampling by safely towing cables closer together and maintaining desired separation
- Improves repeatability by pro-actively aligning receivers to monitor survey

### Features

- Compatible with DigiRANGE™ II acoustic technology for efficient full acoustic cross-bracing capabilities
- Automatic lateral control algorithms
- Global and local control systems
- Streamlined communication and diagnostics through central Windows-based shipboard controller
- QuickCUFF™ compatible for rapid deployment and retrieval
- Compatible with ION FSK repeater technology for extended streamer deployments (up to 12 km)

## Specifications

### Physical Characteristics

Length	1.3 m (52 in)
Weight in air	13.1 kg (29 lbs)
Weight in sea	Neutral
Monitoring	Industry standard collars (QuickCUFF)

### Communications

Type	Serial FSK
Frequency	26 kHz
Data rate	2400 bit/s

### Depth Measurement

Operating Range	0 m to 122 m (0 ft to 400 ft)
Resolution	0.15 m (0.5 ft)

### Lateral Performance

Streamer feathering correction for typical seismic surveys	2° - 3°
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### Acoustic Measurement

Accuracy	0.1 ms
Resolution	0.05 ms
Number of ranges per network	2,800 ranges per system
Number of devices per vessel	1,200 DigiRANGE II acoustics and/or bird devices
Maximum range	1200 m
Ranges received per device	8
Acoustic capability	DigiRANGE II acoustic technology, Compatible with current CMX, CTX, and 5110 AcousticBIRD products

### Batteries (Sold and shipped separately)

Cells	SLB-150 CC Battery Pack
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### Order Information

DigiFIN	9000-5120
QuickCUFF	2500-966
SLB-150 CC Battery Pack	4000-253