

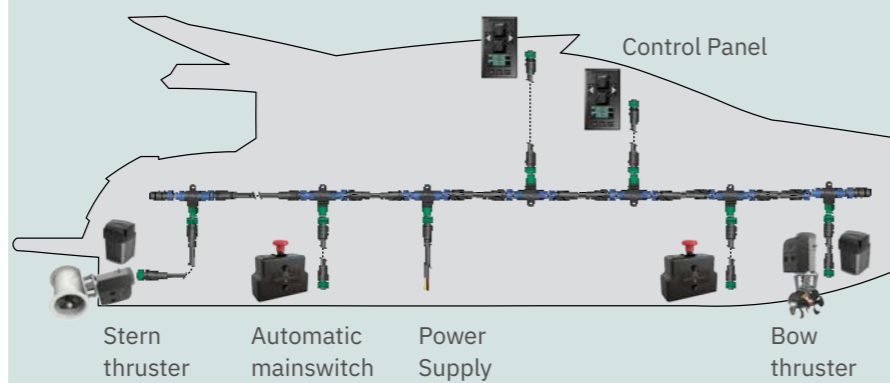
# The S-Link™ system

S-Link™ is a CAN-bus based control system with full intelligent communication between all units in the system, much like a computer network. It is used for all retract thrusters and all PRO™ version thrusters with the DC speed control system.

### Advantages

- Round, compact and waterproof plugs with unique keying and color coding to avoid faulty hookup
- Unlimited number of commands or information transfer on a single cable
- User feedback to panel
- Intelligent troubleshooting

### S-Link™ system example:



### S-Link™ system for boats with two control positions and two DC proportional thrusters.

Depending on the boat's construction, there might be several different ways to route the S-Link™ backbone. Find the most practical way to implement the backbone and remember that the S-Link™ equipment does not need to be connected in a specific order.

Item code	Description	Parts
6 1320-xx	Backbone cable	6 pcs
6 1321-xx	Spur cable	6 pcs
6 1326	T connector	7 pcs
6 1328	Power cable	1 pc
6 1327	End terminator	2 pcs

### S-Link™ cable components



#### Backbone cables

Forms the main "loop" around the boat.

- Item code:
- 6 1320-xxM (xx=length)
  - 6 1320-0.2M (0.2m)
  - 6 1320-2M (2.0m)
  - 6 1320-4M (4.0m)
  - 6 1320-7M (7.0m)
  - 6 1320-10M (10.0m)
  - 6 1320-15M (15.0m)
  - 6 1320-20M (20.0m)



#### Spur cables

Must be used to connect all parts to the backbone cable (one for each component, no exceptions), recommended to be as short as practically possible.

- Item code:
- 6 1321-xxM (xx=length)
  - 6 1321-0.4M (0.4m)
  - 6 1321-1M (1.0m)
  - 6 1321-3M (3.0m)
  - 6 1321-5M (5.0m)



#### Power cable

Must be one in each system, length 2.5m

Item code: 6 1328



#### End terminator

Must be one in each end of the backbone "loop".

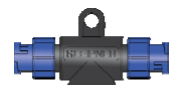
Item code: 6 1327



#### S-Link™ 4-Port T-connector

Allows four spur cable connections in the same device for a more tidy installation with fewer parts. Two sealing caps included for protection.

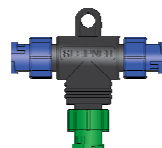
Item code: 6 1403



#### Backbone extender

Connects two backbone cables to extend length.

Item code: 6 1322



#### T connector

Must be one for each spur, including power cable.

Item code: 6 1326

# Accessories S-Link™ system



### PRO™ upgrade kit

To upgrade a standard on/off thruster to a PRO™ with variable speed control, you need a PPC Power Control Unit and an upgrade kit for the internal wiring loom. Note that sealed units such as IP and SX thrusters must be upgraded by an authorized Sleipner dealer.



### Automatic main switch for S-Link™

The most user-friendly and safe installation is provided with an automatic main switch/fuse. The main power to the thruster is conveniently controlled by the Sleipner control panel. Added safety is provided by the panel's auto-off and the thruster's overheat sensor, also controlling the main switch. Compact design with flexible mounting options on wall or bulkhead, plug-and-go wiring, heavy terminals allowing double cables.



### S-Link™ Interface

S-Link™ interface to connect footswitch, control panel and radio remote to the S-Link™ system (foot switch, panel and remote not included). Multivoltage 12/24V.



### Gateway

The GW-1 gateway is used to interface NMEA2000 devices and Sleipner's S-Link™ system. The gateway can also be used to interface NMEA 0183 compliant GPS products, enabling S-Link™ products to receive GPS time and position data. Manufacturer can apply for access to parts of Sleipner's S-Link™ protocol, allowing 3rd party products to monitor and control Sleipner's S-Link™ thrusters and stabilizer systems.



### External Signal Interface

The ESI-1 External Signal Interface is used to interface digital IO signals and Sleipner's S-Link™ system. Two analog 4-20mA inputs offer proportional control of S-Link™ compliant bow and stern thrusters. Digital IOs are available for control and feedback signals.



### Foot switch

Foot switch kit suitable for 8730 S-Link™ interface. Kit contains 2 switches with covers to protect from unwanted operation.

(Cables from switches to 8730 S-Link™ interface not included)

PPC Unit	Compatible with
PPC520	SE25/30/40/50/60 12V SE30-130 24V
PPC820	all models except 48V
PPC840	48V models

Wiring	Compatible with
8 1997	SR80/100
8 1998	SE50/100/120/210/240/250/ 285/300
8 1999	SE25/30/40/60/80/130/150/170

Main Switch	12V	24V
HxWxD (mm)	175x205x140	
Item code	897712	897724

S-Link™ Interface	
H (mm)	45
W (mm)	80
D (mm)	145
Item code bow thruster	8730 B
Item code stern thruster	8730 S

GW-1	
H (mm)	26
W (mm)	50
D (mm)	127

ESI-1	
H (mm)	156
W (mm)	212
D (mm)	62

Foot Switch	
Diameter (mm)	105
Item code (kit)	8751