

V4 Marine Communication System

V4 Lite – DSC Port Radio System

ICS Electronics Limited is a world leader in the design, integration and supply of advanced and networked VHF Coastal Radio systems with more than 20 years experience.

The V4 Lite system, a member of the ICS V4 Marine Communication System family, provides port operations with a DSC communications capability which meets both IMO and ITU standards.

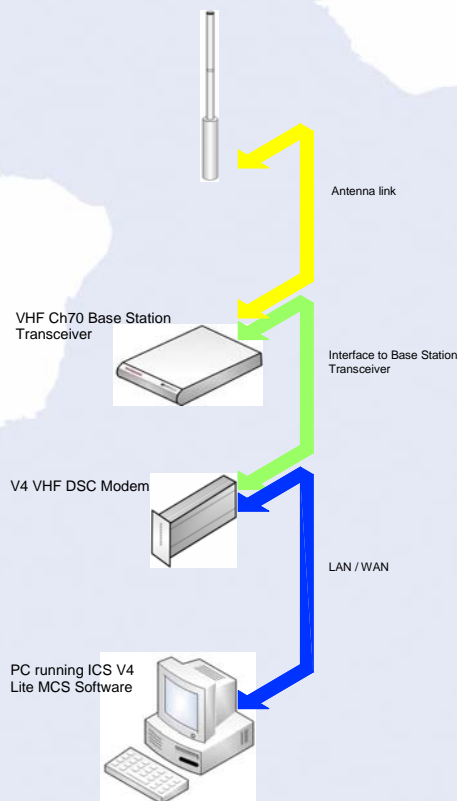
The V4 Lite DSC Port Radio system provides clients with small to medium size port operations a professional solution offering simplicity of operation and proven reliability.

The system may be provided as a turnkey solution including transmitters, antennae and remote control systems or as a sub system ready for integration with existing or 3rd party equipment.



Benefits

- Professional, yet economical IMO and ITU compliant solution
- Supplements existing voice radio setup – no need to replace the whole system.
- Intuitive Windows® man-machine interface simplifies operation
- Industry-standard TCP/IP network system architecture offers flexible equipment location and installation
- Immediate fault detection and indication at operator workstation ensures the operator is kept informed of system status
- Controls up to two DSC radios giving wider coverage or improving fault-tolerance
- Upgrade path to full V4 MCS if and when your requirements grow
- Established support and training service



Example Operation

V4 Workstation

File View Compose Respond Edit Tools Help

Details ACK Check Uncheck Repeat Tune Print Mute Find Clear

CallTime	Sent	Op 1	Auto	Find	System Log	MMSI Details	CallTime	Station	#	RQI	Carrier	Format	Category	TeleCmd1	From
060112 12:05:54	✓						060112 12:15:09	Eastern Dock	1	100%	ch70	Individual	Routine	F3E/G3E simplex	234550000
060112 11:53:35	✗								1	100%	ch70	Individual	Routine	F3E/G3E simplex	234655000
060112 11:53:08	✗								1	100%	ch70	Individual	Routine	F3E/G3E simplex	234655000
060112 11:51:58	✗								1	100%	ch70	Individual	Routine	002346550	
060112 11:51:27	✗								1	100%	ch70	Individual	Routine	F3E/G3E simplex	002321111
060112 11:50:26	✗								1	100%	ch70	Individual	Routine	F3E/G3E simplex	002321111
060112 11:49:51	✗								1	100%	ch70	Individual	Routine	F3E/G3E simplex	002321111

1

DSC Call received from MV Morning Glory requesting radiotelephone contact

2

Double-clicking the call opens up the call details window

Operator chooses to acknowledge the request

Individual Routine from 234550000

Call Id: 1073398
 Time: 060112 12:15:09
 Carrier: ch70
 Station: Eastern Dock 100% 5

Format: Individual
 Category: Routine
 To: 002321111
 United Kingdom
 Port Control Centre

From: 234550000
 United Kingdom
 MV Morning Glory
 Coastal Trader

Tele1: F3E/G3E simplex
 Tele2: No information
 End Of Sequence: ARQ

OK
 Print
 Copy
 Acknowledge
 Check
 DSC
 FEC
 FEC + Parity

3

Acknowledgement window opens allowing operator to override the default working channel

4

Radiotelephony commences on ch12 using Port radio

Individual Routine Call Acknowledgement

Call
 Call To: 234550000

Transmitter
 Station: Eastern Dock 100% 5
 DSC Carrier: ch70

Message
 Telecommand: F3E/G3E simplex
 Response: ch12
 Additional Information: No information

Send
 Cancel