Surecom Series II
Marine Intercom Systems

Since 1978 Sontec WA Pty Ltd has been involved in the development of effective communications solutions, including public address systems, closed circuit television and intercommunication systems for the growing Fast Ferry industry.

Sontec manufacture state of the art systems that are used throughout the world including the U.S.A., Europe, South America and the Asia Pacific region.

In 1988 Sontec designed and developed the 'Surecom' Marine Intercom System as a result of the need for a simple to use, easy to install marine intercom system for High Speed Craft, Fast Ferries, Work Boats and Tender Vessels.

The new *Surecom Series II* is the latest version of this advanced communication system designed and built specifically to meet the IMO standards for Fast Ferries and is one of the most cost effective marine intercom systems available on the market today.

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SPECIFICATIONS

Surecom Master Unit
Maximum number of Master Keypads	3
Maximum number of slave stations	20
Overhead Speaker nominal output impedance	8 ohms
Overhead Speaker minimum impedance	4 ohms
Overhead Speaker output power into 8 ohms	2.25 watt
Overhead Speaker output power into 4 ohms	4.5 watt
Microphone Input impedance	600 ohms
Nominal supply voltage	24 VDC
Minimum supply voltage	20 VDC
Maximum supply voltage	30 VDC

Supply Currents (Quiescent)
Master unit with digital control card fitted	25mA
Keypads	20mA each (max. 3)
Audio Cards	110mA each (max. 3)
Line Cards	20mA each (max. 5)
Emergency P.A. Cards	130mA

Supply Currents (maximum)
Master Unit	25mA
Keypads	90mA each
Audio cards	700mA each
Line cards	100mA each
Emergency P.A. Card	2.8A
Master Unit Dimensions	460H x 430W x 160D
Master unit enclosure with Mother Board and control cards fitted	
Audio card	4.9kg
Line cards	230g each
Emergency P.A. Card	190g each
Housing material	300g each
	Aluminium

Surecom Master Keypad
Front panel dimensions	243H x 153W
Backing box dimensions	208H x 112W x 35D
Cutout size	210H x 112W
Weight	500g

Surecom Weatherproof Horn Station
IP Rating	IP66
Supply current (quiescent)	40mA
Supply current (maximum)	250mA
Output impedance	8 ohms
Output power	1.2 watts
Construction	Plastic with powder coated stainless steel front
Dimensions (not including glands or speaker)	198H x 101W x 64D
Weight (including speaker)	1.6kg

Surecom Loud Speaking Station
Supply current (quiescent)	40mA
Supply current (maximum)	250mA
Construction	Zinc Passivated and powder coated mild steel with powder coated aluminium fascia mesh
Dimensions	110H x 192W x 45D
Weight	950g

Surecom Headset Station
Supply current (quiescent)	25mA
Supply current (maximum)	420mA
Headset noise Attenuation factor	21dB
Length of curly cord (retracted)	700mm
Length of curly cord (stretched)	3.5m
Construction	Plastic with Poly carbonate membrane switch fascia
Dimensions (not including headset)	198H x 101W x 125D
Weight (including headset)	1.2kg

Surecom Handset Station
Supply current (quiescent)	25mA
Supply current (maximum)	50mA
Construction	Plastic
Dimensions	210H x 80W x 52D
Weight	400g

Surecom Emergency Public Address System
Output impedance	4 ohms or 8 ohms
Output power into 8 ohms	4 watt
Output power into 4 ohms	8 watt
Maximum Recorded Message length	20 Seconds
Front Panel construction	Powder coated Aluminium
Front Panel Dimensions	120H x 180W
Weight (including microphone)	480g
Cutout Size	100H x 140W

Specifications subject to change without notice
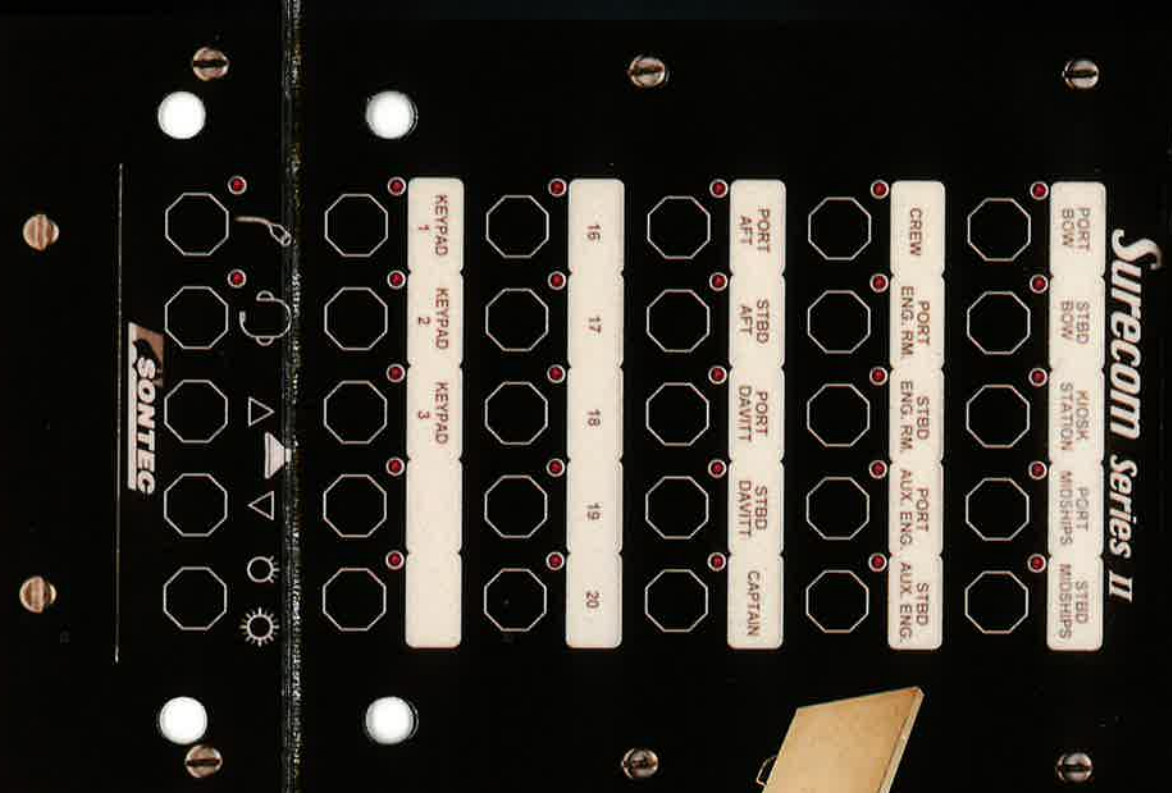
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Introducing the new -

Surecom Series II

The *Surecom Series II* is a rugged and durable internal intercom system for High Speed Craft, Fast Ferries, Work Boats and Tender Vessels, and is designed and built to IMO standards for Fast Ferries. It is an improved and upgraded version of the original Surecom design which has proved to be a popular and dependable intercom over the last 10 years.

Much has been learned from users of the original Surecom from all over the world and this knowledge has ensured that the new version - *Surecom Series II*, better meets the needs of the marine industry.

a.) Master Keypad - Located on the Bridge, this allows the operator to select, call or receive calls from slave stations around the vessel. The system can use up to three Master Keypads. The Master Keypads can be operated with headsets or a gooseneck microphone and ceiling speaker.

b.) Master Unit - The anodised aluminum enclosure contains the audio amplifiers and switching control circuits, and is usually mounted on the Bridge under the dash.

c.) Headset Station - This type of station utilises a noise cancelling, noise reduction headset well suited for noisy environments, such as the engine room. A siren and flashing light are supplied standard with the headset station.

d.) Handset Station - Similar to a telephone handset, is used in public areas where more discreet communication is required, such as in a kiosk, a cabin or crew area.

e.) Weatherproof Horn Station - This is used on the outside of the vessel and as such has been designed to stand up to harsh conditions.

f.) Loud Talking Station - This is the standard station for internal use and offers hands free communications.

g.) Emergency Public Address System - The Surecom Emergency Public Address system is an optional addition to the Surecom Series II Intercom System. It can initiate the sounding of the general alarm tones and can play back a recorded voice message through dedicated speakers throughout the vessel. Direct public address announcements may also be made using the hand held microphone. The control panel is usually mounted on the bridge and consists of a fist microphone, message button and emergency button with flip cover.

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Surecom Series II

EMERGENCY PUBLIC ADDRESS