



Westinghouse Satellite Telephone Systems

The world at your fingertips

**Voice... Data... Fax... Internet...
Messaging... E-mail...**

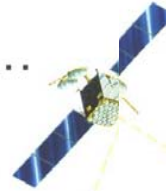


From home, at work, on the move or at sea... no matter where your location throughout Australia, Westinghouse Satellite Telephones help you stay in touch. Talk, e-mail, monitor data, surf the net, despatch, fax or receive messages. Conduct business from the middle of nowhere, on land and at sea, when other communications are down, inadequate, or where they just don't exist. Dial directly... no operators are needed. And, all calls are digital, thus totally private.

Westinghouse Satellite Telephones can be used with the Optus MobileSat® network throughout Australia and at least 200km offshore. You have access to any telephone number in the world when you're within Optus MobileSat® range.

Available in land-mobile, marine or fixed location models, Westinghouse Satellite Telephones are durable, reliable, versatile and easy to use. They're packed full of programmable features and communication equipment interfaces. So when communications are a must, keep in touch using a Westinghouse Satellite Telephone.

You can be sure... if it's Westinghouse.



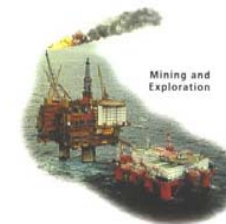
Standard features include:

- Full duplex satellite voice, data and messaging
- A multi-functional illuminated handset
- Hands-free operation
- 90 Alphanumeric telephone number memory
- 10 pre-programmed emergency numbers
- Automatic answering
- Electronic locking
- Call-in-absence indicator
- Programmable call restrictions by password
- Incoming call alarm
- Unattended operation for facsimile or data messaging equipment
- Built-in PC and GPS interfaces



Optional handset features include:

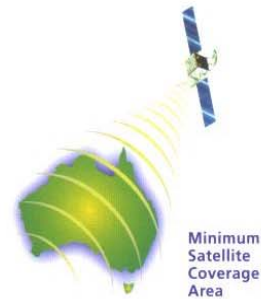
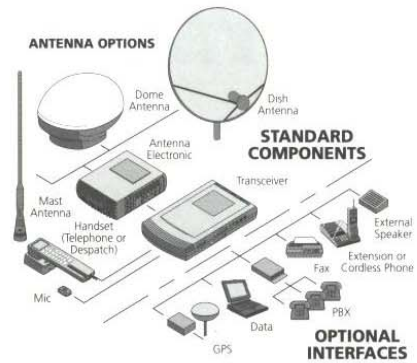
- Group III facsimile interface
- Expanded telephony allowing the direct connection of a touch-tone or cordless telephone as an extension, or the connection of a PABX unit, giving multiple standard telephone access
- Voice mail
- Call transfer
- Call waiting
- Conference calling



...the call of the wild.

TECHNICAL SPECIFICATIONS

Communication Modes	
Voice	Full duplex digital voice
Data	2400 bps
Fax	Group III facsimile at 2400 bps/4800 PSTN Initiated (option)
Systems Specifications	
Transmit Frequencies	1646.5 - 1660.5 MHz
Receive Frequencies	1545.0 - 1559.0 MHz
EIRP	8 - 14 dBW
Polarization	Right-hand circular (RHCP)
Channel Spacing	7.5 kHz
Interface Specifications	
Voice	RJ-45, handset RJ-11, touch-tone telephone interface (option) and push-to-talk handset (option)
Data	DB-25, RS-232C Hayes-compatible AT Command Set
Fax	RJ-11C, Two wire (option)
Power	12 VDC Nominal (11.5 - 15.6 V range) 2A receive, 6.5A transmit
Physical Specifications	
Antenna - Mast	
Size	2 cm dia x 94 cm H
G/T	-18 dB/K from 15° - 70° elevation
Weight	0.9 kg
Cable	RF = 1.0 cm pre-terminated with TNC connectors
Length	3.0 m
Antenna - Dome	
Size	26.0 cm L x 24.0 cm W x 16.5 cm H
G/T	-18 dB/K from 15° - 70° elevation
Weight	1.0 kg
Antenna Turning Rate	70° /sec, maximum
Antenna Acceleration Rate	500° /sec ² , maximum
Fleettalk™	
Cables	RF = 6 mm dia pre-terminated with TNC/SMA connectors Control/Power = 6 mm dia unterminated with pins attached
Length	3.6 m
Wavetalk™	
Cables	RF = 1.5 cm dia pre-terminated with TNC connectors; Control/Power = 6 mm dia unterminated with pins attached
Length	12.2 m
Antenna - Dish	
Size	0.76m dia
G/T	-14 dB/K from 5° to 90° elevation
Weight	9.0 kg
Cable	RF = 1.5 cm dia pre-terminated with TNC connectors
Lengths	15.2 m standard, or 30.4 m option
Antenna Electronics Unit	
Size	22.6 cm L x 17.8 cm W x 6.4 cm H
Weight	3.2kg
Transceiver	
Size	30.5 cm L x 17.8 cm W x 5.3 cm H
Weight	3.4 kg
Handset	
Size	19.7 cm L x 3.8 cm W x 3.8 cm H
Weight	0.2 kg
Cable	9.2 m - (2.0 m coiled and 7.2 m straight)
Operating Temperatures	
	-30°C to + 55°C

SYSTEM COMPONENTS


Minimum Satellite Coverage Area



Westinghouse Satellite Telephone Systems

1800 675 696

or visit the manufacturer's website:

www.westinghouse.com.au



OPTUS
communications

Optus Communications Pty Ltd

For details of your nearest Optus outlet call

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