

# COTEL UK RENTAL

*WIRELESS COMMUNICATIONS 4 BUSINESS*

Local • Regional • National • Global

CUSTOMER CARE: 08000 960 970

WWW.COTELTELECOM.CO.UK

**One-to-Many Global Communications  
with Just a Push of a Button**



 **iridium**<sup>®</sup>  
connected



# Real-Time Communications Across the Globe



## What is SATELLITE PTT?

The Cotel satellite radio solution is a two-way radio system that uses the Iridium® satellite network. It can be used as a communication tool in remote, isolated areas where there are no mobile phones or landline network infrastructure. Even if terrestrial network infrastructure is rendered unusable by human or natural disasters, satellite radio can provide a stable back-up, independent from other networks.



## One-to-Many Communications

Unlike satellite phones, satellite radio users can immediately start talking to all the radios in the same talkgroup, with just a push of the transmit (PTT) button.



## Q & A

### What about communication fees?

**A.** Communication fees are typically charged at a flat rate through a monthly plan, and there are no additional call charges.\* Communication fees differ, depending on the coverage area and the number of the radio.  
\* Depending on the country or area, a flat charge plan may not apply, or the service may not be available.

#### Coverage Area

Size	Small	Medium	Large	Extra Large	Jumbo
Coverage area	100,000 km <sup>2</sup> , 38,610 mi <sup>2</sup> (radius 178 km, 111 mi)	300,000 km <sup>2</sup> , 115,830 mi <sup>2</sup> (radius 309 km, 192 mi)	750,000 km <sup>2</sup> , 289,577 mi <sup>2</sup> (radius 480 km, 298 mi)	1,500,000 km <sup>2</sup> , 579,153 mi <sup>2</sup> (radius 691 km, 429 mi)	2,250,000 km <sup>2</sup> , 868,729 mi <sup>2</sup> (radius 846 km, 526 mi)

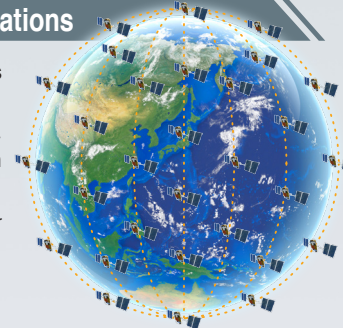
### What is a "talk-group"?

**A.** Using the satellite radio, you can communicate with other radio users assigned to the same talk-group. The coverage area of the talk-group is selectable from five sizes (see the table above).

## Wide Area Global Communications

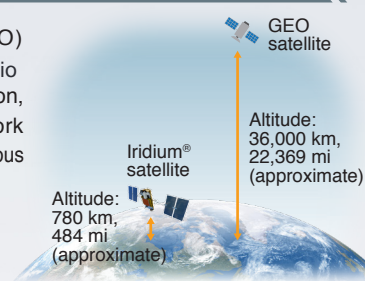
The Iridium® satellite network covers the entire earth, including both poles, and can provide wide area global communications anywhere on the planet\*.

\* Depending on the country or region, carrying and/or use of satellite radio may be prohibited.



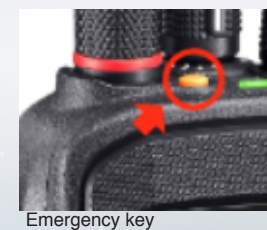
## Real-Time, Low-Latency Communication

Using 66 Low Earth Orbit (LEO) Iridium® satellites, the satellite radio provides low-latency communication, and broader, more reliable network coverage, compared to Geosynchronous Equatorial Orbit (GEO) satellites.



## Built-in Emergency Key

The orange key on the top panel can be used for emergency situations. You can transmit an emergency call to preprogrammed users with holding down the key.



## Waterproof, Dust-tight and Durable Body

The radio provides IP67 water-proofing (1 m depth of water for 30 minutes) and dust-tight protection, making it ideal for use in harsh outdoor environments. The radio also meets MIL-STD 810G specifications. The operating temperature range is from -30°C to +60°C (-22 °F to 140 °F).



## In-Vehicle or In-Building Use

With the optional antenna, you can use the satellite radio in the vehicle (by attaching it to the roof) or building (by placing outside a window). The Cotel satellite radio has Bluetooth® capability, and allows hands-free operation while driving.



## Private Conversations

The Cotel satellite radio provides secure conversations with AES 256-bit encryption.

## And more

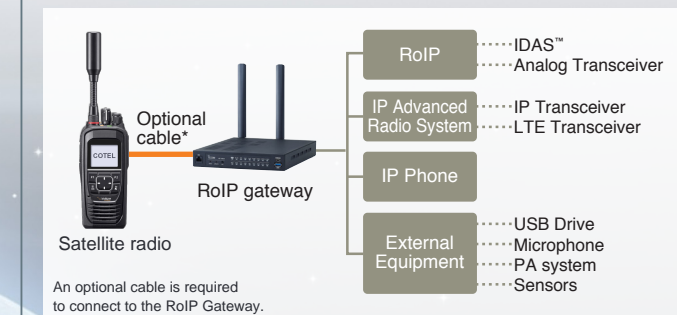
- 1500 mW powerful audio
- 14.5 hours\* of long lasting battery life
- Short Data Message function
- Voice Recording function
- Multiple language display (English, Chinese, French, Japanese, and Spanish)
- Bluetooth® capability
- Integrated GPS receiver shows a received position information on the display
- SMA type antenna connector for an external antenna
- AquaQuake™ function clears any water ingress that may penetrate the speaker grill of the unit
- USB charging (USB Micro-B type)

\* Approximate. Operating periods are calculated under the following conditions.  
TX : RX : standby = 5 : 5 : 90

## Conventional Radios and IP Phones Interconnection

With a RoIP Gateway, the Cotel satellite radio can interconnect with an IP phone, IP, LTE, IDAS digital\* and analog transceivers.

\* Type-D multi-site trunking and conventional systems.



SATELLITE PTT

Address: Cotel Telecom (UK) Rental, Pool Business Park, Dudnace Lane, Redruth, TR15 3QW

### How do I assign a coverage area?

**A.** The coverage area can be split into different coverage regions, using circles, squares, and rectangles. For example, you can assign coverage areas to Tokyo, New York and London.

#### Coverage region example



### Can I change my talk-group and/or the region within a coverage area?

**A.** Yes. You can contact Cotel regarding the changes you'd like to make, and we can make these changes on your behalf.

### Can I use satellite radio in any location?

**A.** The satellite radio can be used in open spaces, like the rooftop of a building. Receiving and transmitting may fail, depending on the satellite position or any obstacles between the radio and satellites. Your body can also be an obstacle. Hook the radio upright on your shoulder rather than on your waist.

### Can satellite radio be used to make phone calls?

**A.** No, the radio is for PTT (Push-To-Talk) use only. Using the optional RoIP gateway, the radio will be able to communicate with other networks.

\* The optional connection cable is required to connect to the RoIP Gateway.

Free-call Customer Care: 08000 960 970

Website: [www.coteltelecom.co.uk](http://www.coteltelecom.co.uk)