



# CT-DECT Case

## HazMat Communications Solution



Communications for HazMat Teams  
(digital/full duplex) with radio bridge  
(interface case) from 2 to 12 team members

### Advantages

- Speaking and listening at the same time for all participants (up to twelve) - no loss of information
- Range up to 600 feet around the CT-DECT Interface Case
- All crew members always share the same level of knowledge
- Tap proof using a digital standard
- Each crew member can use the built in long distance radio (option)



## CT-DECT Case

### HazMat Communications Solution

The HazMatTeam has tap-proof digital wireless full duplex communication through their communication sets and a CT-DECT Multi. The small CT-DECT Multi is placed in the suit or carried on the belt. It has an average transmission output of 10 mW (a transmission output of 250 mW can be achieved for a short time only in a transmission burst). Transmission frequency is 2.4 GHz.

Each Team Member has a PTT button that enables conversation to be routed to the CT-DECT Interface Case. The interface routes the speech channel to the connected radio. It is irrelevant which user hits the PTT button.

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## CT-DECT Interface Case

The CT-DECT base station is the central unit for up to 12 CT-DECT Multi crew units. It is suitable for duplex communication over short distances up to 600 feet. The range between the base station and the crew units depends on the local situation. The independent useful life of the complete system is 15 hours. Due to the digital DECT standard there is a high level of immunity to tapping, eavesdropping and interference.



## CT-Communication Systems for Use with Helmets and Masks

The variety of applications, the different mask models or HazMatSuits and varying personal preferences are reflected in the numerous communication systems that CeoTronics is able to offer.

### CT-ContactCom

CeoTronics ContactCom picks up the voice from the top of the head, amplifies it, and transmits it via the two-way radio.

The ContactCom eliminates the need for boom microphones and hand microphones for greater communication safety and flexibility.

The flexible microphone boot ensures high wearing comfort while maintaining a good head contact.

A weather resistant in-line safety connection is linked between the PTT button and the microphone/speaker unit.

CT-ContactCom intrinsically safe versions are tested to the rigid ATEX standard and conform to protection class EEx ib IIC T4.



### CT-ThroatMike Comfort

Ideal for communication in connection with protective suits, helmets and masks. It provides an electret throat microphone with stretch neckband and a flexible earhanger as a loudspeaker.



### CT-ClipCom

CT-ClipCom is a helmet independent communication system for industry or fire brigades to wear under helmets. A lamella earplug for highest wearing comfort and best noise attenuation or an individually molded earpiece can be connected to the communication systems. The system is fixed in no time with a simple clip. In case of personnel changes, only a new lamella earplug or molded earpiece is needed - the communication system can still be used.



### CT-CombatCom

The CT-CombatCom system is a completely new system of lightweight audio communications accessories.

It provides users with the opportunity and the flexibility of choosing the communication equipment customized in accordance with requirements immediately before the operation - the configuration can even be changed during the operation in seconds, and without tools.

The system components are extremely sturdy, dust- and water-proof - made especially for use under the tough conditions experienced by HazMat operations.

With the facility for the quick change of the configuration headband/neckband/head strap/helmet version - it is "the" universally usable communication system for "mobile operational groups".



## Scope of delivery

- Pelicase interface case (for two to twelve users) built-in antenna, rechargeable batteries (2 x 7.2 Ah/12 V), external charge jack.
- CT-DECT Multis
- PTT units
- Communication Headsets (your choice) for connection to CT-DECT Multi
- Chargers for CT-DECT Multis
- Chargers for CT-DECT Case (7.2 Ah rechargeable batteries)

## Technical data

<b>Frequency range:</b>	2.4 GHz
<b>Connection technology:</b>	MC/TDMA/TDD
<b>Carrier spacing:</b>	1.728 MHz (frequency hopping)
<b>Channel selection:</b>	Automatic
<b>Average transmission output DECT:</b>	10 mW
<b>Max. transmission output DECT:</b>	250 mW (+24 dBm)
<b>Max. range DECT:</b>	approx. 600 feet
<b>Operating time:</b>	
<b>CT-DECT module, Li-Ion:</b>	approx. 15 hours
<b>CT-DECT interface case:</b>	7.2 Ah lead rechargeable batteries for DECT 40 hours 7.2 Ah lead rechargeable batteries for radio depending on the used radio system

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### Additionally, CeoTronics has sales personnel in the following countries:

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For further information and to download brochures, please visit [www.ceotronicsusa.com](http://www.ceotronicsusa.com)