

3M™ Peltor™ DECT-Com II™ System  
Duplex Radio Intercom

**PELTOR™**

The Sound Solution



# Hands-Free Communications

Improved Accident Prevention

An easy-to-use, hands-free duplex radio communication system designed to help improve work group efficiency and safety.

**3M**

# The Challenge...

## Communications, Accident Prevention and Worker Efficiency

Noisy workplace environments create unique challenges for workers, supervisors and the safety of your team. When team members cannot communicate easily with each other, the entire operation can be more prone to delays, mistakes and accidents. In fact, studies have shown that workers waste time each day trying to communicate in noisy environments. This communication challenge is compounded by the need for workers to wear the appropriate level of hearing protection for the sound levels in the workplace.

### Industry-Wide Applications:

- Construction
- Manufacturing
- Industrial Facilities
- Railway Maintenance
- Crane Operations
- Pulp, Paper and Paperboard Mills
- Wind Turbine Manufacturing and Installations

### DECT-Com II System Transceivers



DC2812 Base/Portable

DC2815 Extension Base/Portable with auxiliary port for two-way radio input

DC2815 shown with DC2064 Charger Holder

DC2032 External battery holder for six AA batteries

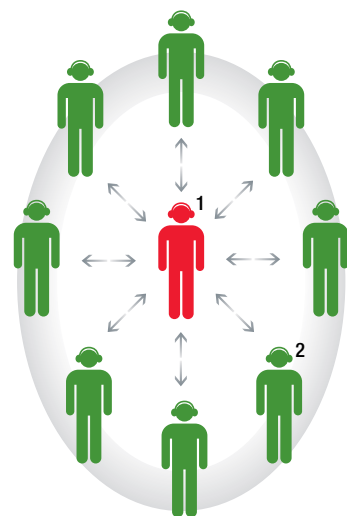
DC2811 Portable

DC2821 Repeater

## 3M™ Peltor™ DECT-Com II™ Duplex Radio Intercom System

# A Hands-Free Solution for Enhanced Communications

### DUPLEX MODE CONFERENCE GROUP



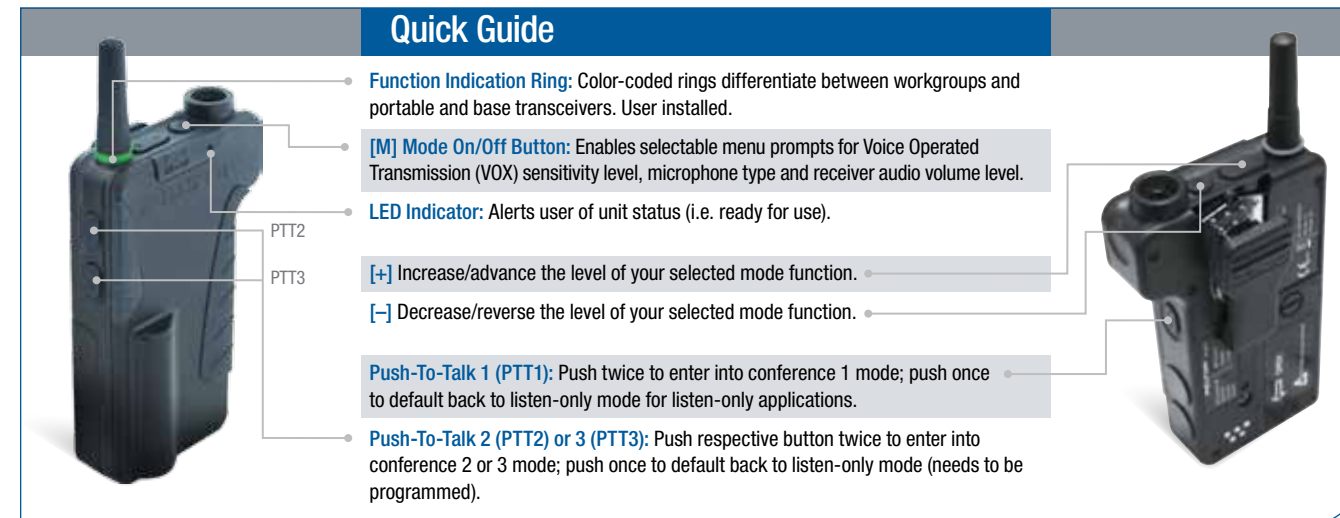
Just like talking on the telephone, duplex communication technology permits simultaneous transmissions of two messages in opposite directions over a single channel. Benefits of this technology include the ability to override discussions to highlight urgent, unforeseen safety hazards.

The DECT-Com II duplex radio intercom system is designed to make it easy for your team to clearly communicate in noisy environments. Featuring digital radio technology and the advantage of hands-free transmission, it delivers the benefits needed to improve workplace efficiencies and help prevent accidents.

- **Hands-Free Operation:** The DECT-Com II main units provide hands-free, voice-activated duplex communications.
- **Duplex Communication:** Automatic transmit over-ride functionality is standard for all transmitters. A maximum of nine transceivers can operate in a simultaneous, conference duplex conversation at once.
- **Multiple System Configurations:** Flexible system configurations allow up to 40 team members to participate in a workgroup. The transceiver's design allows members to join and drop out of conference duplex discussions automatically as members stop talking.
- **External Connectivity:** Selected two-way radios can be integrated into a system configuration by using the DC2815 bas/portable.
- **Short range communication system:** The nominal working range is approximately 250 metres outdoors in line of sight. 50 meters indoors in line of sight. The working range may be shorter due to actual conditions.
- **Headset Options:** Compatible with multiple Peltor headset models.

1. DC2812 or DC2815 User with base unit  
2. DC2811, DC2812 or DC2815 User with portable unit

### Quick Guide



**Function Indication Ring:** Color-coded rings differentiate between workgroups and portable and base transceivers. User installed.

**[M] Mode On/Off Button:** Enables selectable menu prompts for Voice Operated Transmission (VOX) sensitivity level, microphone type and receiver audio volume level.

**LED Indicator:** Alerts user of unit status (i.e. ready for use).

**[+] Increase/advance the level of your selected mode function.**

**[-] Decrease/reverse the level of your selected mode function.**

**Push-To-Talk 1 (PTT1):** Push twice to enter into conference 1 mode; push once to default back to listen-only mode for listen-only applications.

**Push-To-Talk 2 (PTT2) or 3 (PTT3):** Push respective button twice to enter into conference 2 or 3 mode; push once to default back to listen-only mode (needs to be programmed).

### DECT-Com II System Headsets

A variety of options so you can select the right model for your workplace, see examples below.



M2RX7A-07 Headband SNR 32 dB

MT7H79B Neckband SNR 33dB

MT7H79P3E Helmet att. SNR 32dB

MT1H7F2-07 SNR 31 dB

M701-H03 Light weight single sided

MT32H02 Light weight double sided

## 3M™ Peltor™ DECT-Com II™ Duplex Radio Intercom System

### Ordering Information

3M Stock Number	Part Number	3M™ Peltor™ DECT-Com II™ Duplex Radio Intercom System Description
<b>MAIN UNITS</b> (All units are shipped with DC2033, DC2041, DC2048 and DC2071)		
XH-0016-7599-6	DC2811	Portable 1.8 GHz
XH-0016-7600-2	DC2812	Base/Portable 1.8 GHz
XH-0016-7601-0	DC2815	Extension Base/Portable 1.8 GHz
<b>REPEATERS</b>		
XH-0016-7597-0	DC2821	Repeater 1,8 GHz
XH-0016-7598-8	DC2822	Mains adapter for DC2821
<b>ACCESSORIES AND REPLACEMENT PARTS</b>		
XH-0016-7574-9	DC2031	Battery lid for main unit
XH-0016-7576-4	DC2032	External battery holder for 6 AA batteries
XH-0016-7577-2	DC2033	Rechargeable NiMH battery pack
XH-0016-7578-0	DC2035	Screw for battery lid
XH-0016-7579-8	DC2036	Screw for external battery holder
XH-0016-7580-6	DC2041	Antenna, general 1.8 GHz for main unit
XH-0016-7585-5	DC2046	Omni-directional antenna with magnetic foot
XH-0016-7722-4	DC2048	Antenna ring kit, Red/Green/Black
XH-0016-7587-1	DC2061	AC Adaptor for main unit/holder (common for EU, UK)?
XH-0016-7589-7	DC2064	Charger/Holder, 9-15 V DC, (includes mains adapter DC2061)
XH-0016-7723-2	DC2068	Power Supply/Holder, 9-33 V DC (includes mains adapter DC2061)
XH-0016-7591-3	TKD5011	Attachment clip
XH-0016-7628-3	DC2072	Ground Mechanic cable incl. flag "Remove before flight"
XH-0016-7632-5	DC2-5001	Adapter cable for "dynamic standard"
XH-0016-7633-3	DC2-5005-A	Adapter cable for telephone 2.2 kOhms
XH-0016-7634-1	DC2-5010	Adapter cable for ICOM, with straight connector
XH-0016-7635-8	DC2-5030	Adapter cable for Motorola GP340, GP328
XH-0016-7636-6	DC2-5063	Adapter cable for Motorola Mototrbo
<b>HEADSETS</b> (Please note! Most Peltor headsets with J11 connector fit the DECT-Com system, below are a few examples)		
XH-0016-5971-9	M2RX7A-07	Headset, headband model, dark red cups
XH-0016-5285-4	MT7H79B	Headset, neckband model, black cups
XH-0016-5094-0	MT7H79P3E	Headset, helmet attachment, black cups
XH-0016-5257-3	MT32H01	Single-side lightweight headset
XH-0016-5258-1	MT32H02	Dual-side lightweight headset
XH-0016-7720-8	MT701-H03	Single-side lightweight headset
XH-0016-6071-7	MT1H7F2-07	Tactical XP headset, headband model, black cups
XH-0016-6067-5	MT1H7B2-07	Tactical XP headset, neckband model, black cups
XH-0016-6077-4	MT1H7P3E2-07	Tactical XP headset, helmet attachment model, black cups

**Please note!** The DECT-Com II™ Duplex Radio Intercom System is sold through Peltor Authorized DECT-Com Dealers only!



3M Occupational Health &  
Environmental Safety Division  
3M Svenska AB, Box 2341  
SE-331 02 Värnamo  
Sweden

Phone: +46 (0) 370 65 65 65

Fax: +46 (0) 370 65 65 99

Email: [peltorcommunications@mmm.com](mailto:peltorcommunications@mmm.com)

Internet: [www.3M.com/Peltorcomms](http://www.3M.com/Peltorcomms)

© 3M 2012. All rights reserved.

3M, Peltor and DECT-Com II are trademarks of 3M Company. Please recycle. Printed in Sweden.

#### WARNING!

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, User Instructions, or contact your local 3M representative.