

3M™ Peltor™ DECT-Com II™ System Technical Datasheet



PELTOR™

Peltor™ DECT-Com II

Product description

3M Peltor DECT-Com II is a wireless duplex intercom system, operating on the 1.8 GHz DECT-frequencies, which are license free in most countries.

The products in the Peltor DECT-Com II family offer simple and efficient wireless duplex communication with up to 9 active users talking in full conference and additionally up to 40 listeners with possibility to quick “break in” to the conference. In a system with more than 9 users any listening participant can change from listening to speaking. The earliest active speaker will then be degraded to a listener in the conference and any other listener can follow, replacing active speakers in the order “first in – first out”.

There are basically two versions of the DECT-Com II main unit; base/portable units and portable units.

A base/portable unit can be either used as base or portable alternatively.

Due to low power output and high frequency it is a short range communication system. The nominal working range is approximately 250 metres outdoors in line of sight. The working range may be shorter due to actual conditions.

Key Features:

- Full duplex communication system
- Working range typ. 250 m outdoors / typ. 50 m indoors (line of sight)
- Ghost voice guided menu system
- Up to three simultaneous talk groups
- Volume boost
- Noise gate (voice operated)
- All-call, between the channels (and synchronised systems)
- Wireless PTT button for external radio etc. available
- Extended battery pack for longer usage time

Typical Applications

- Industry
- Construction
- Military
- Sports



Standards and Approvals:

The units DC2811, DC2812 and DC2815 conforms with the provisions set out in the R&TTE Directive 1999/5/EC and are subject of Declaration of Conformity Issued by 3M Svenska AB. Thereby they are approved for CE marking.

The testing of DC2811, DC2812 has been done in accordance to the test standards:

EN 301 489-1 V1.6.1, EN301 489-6 V1.3.1 and EN 301 406 V1.5.1. The unit DC2815 has been tested in accordance with the standards: EN 301 489-1:V1.6.1, EN301 489-6 V1.3.1, EN62311:2008 and EN 301 406 V1.5.1.

The products has been examined by Eurofins, Storkower Str. 38c, 15526, Reichenwalde, Germany

Versions:

DC2811 Portable unit
DC2812 Base/Portable unit
DC2815 Ext. Base/Portable unit

Dimensions and weight:

Model	H (mm)	W (mm)	D (mm)	Weight, excl batteries (g)
DC2811	18	8,3	4,5	184
DC2812	18	8,3	4,5	186
DC2815	18	8,3	4,5	202

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Accessories:

DC2064	IP42 Charger/holder
DC2068	IP67 Power supply/holder
DC2033	Rechargeable battery pack NiMh 3,6 V / 2100mAh.
DC2032	Battery carrier for 6 AA batteries.
DC2046	External antenna, omnidirectional with magnetic foot
DC2048	Antenna ring kit, one of each colour; red green and black.
DC2072	Cable for ground mechanic
DC2-5001	Cable for external radio, "dynamic standard"
DC2-5005A	Cable for telephone, 2.2 kohms
DC2-5010	Cable for Icom, straight connector
DC2-5030	Cable for Motorola GP340
DC2-5063	Cable for Motorola Mototrbo
WLTX-B	Wireless PTT transmitter unit, 1 channel

Materials:

BiBlend with ABS/PC and double moulded with TPE/TPU.

Colour:

Main colour is black, NCS 8500 or 426C in pantone.

Use limitation

Never modify or alter this product

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

Technical data:

Frequency range:		1880 – 1900 MHz
Operation mode:		Duplex
Output power:		Max. 250 mW, average 10 mW (portable) / 120 mW (base)
Current consumption:	Base/Portable unit DC2812, DC2815	as base typ. 320 mA (4 portables system) as portable; typ. 160 mA in talk mode
	Portable unit DC2811	40 mA (listen only) / 60 mA (talk mode)
Working range:	Outdoors	typ. 250 m (line of sight)
	Indoors	typ. 50 m
Battery life cycle:	With rechargeable battery Peltor DC2033	approx. 6 h (base unit) approx. 40 h (portable unit)
	With 6xAA additional 2100 mAh NiMH batteries in DC2032	approx. 18 h (base unit) approx. 18 h (base unit)
Usage temperature:		-26°C to +55°C
Storage temperature:		-55°C to +70°C without batteries (Store batteries according to battery manufacturer's instructions)
Weight excl. batteries:	Incl. battery pack DC2033	310 g (DC2812, DC2912)
Microphone types:	Carbon	300 mV typ. Medium power feed enabled; 20mA
	Electret	20 mV typ. Low power feed enabled; 1mA
	Dynamic	4 mV typ.
	Low impedance	0,4 mV typ.
Headset connector:		Peltor J11, type M9177/4-1 (NEXUS TJT-102)



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