

3M™ Peltor™ DECT-Com II™

Full Duplex Wireless Intercom

PELTOR™



Instruction Manual

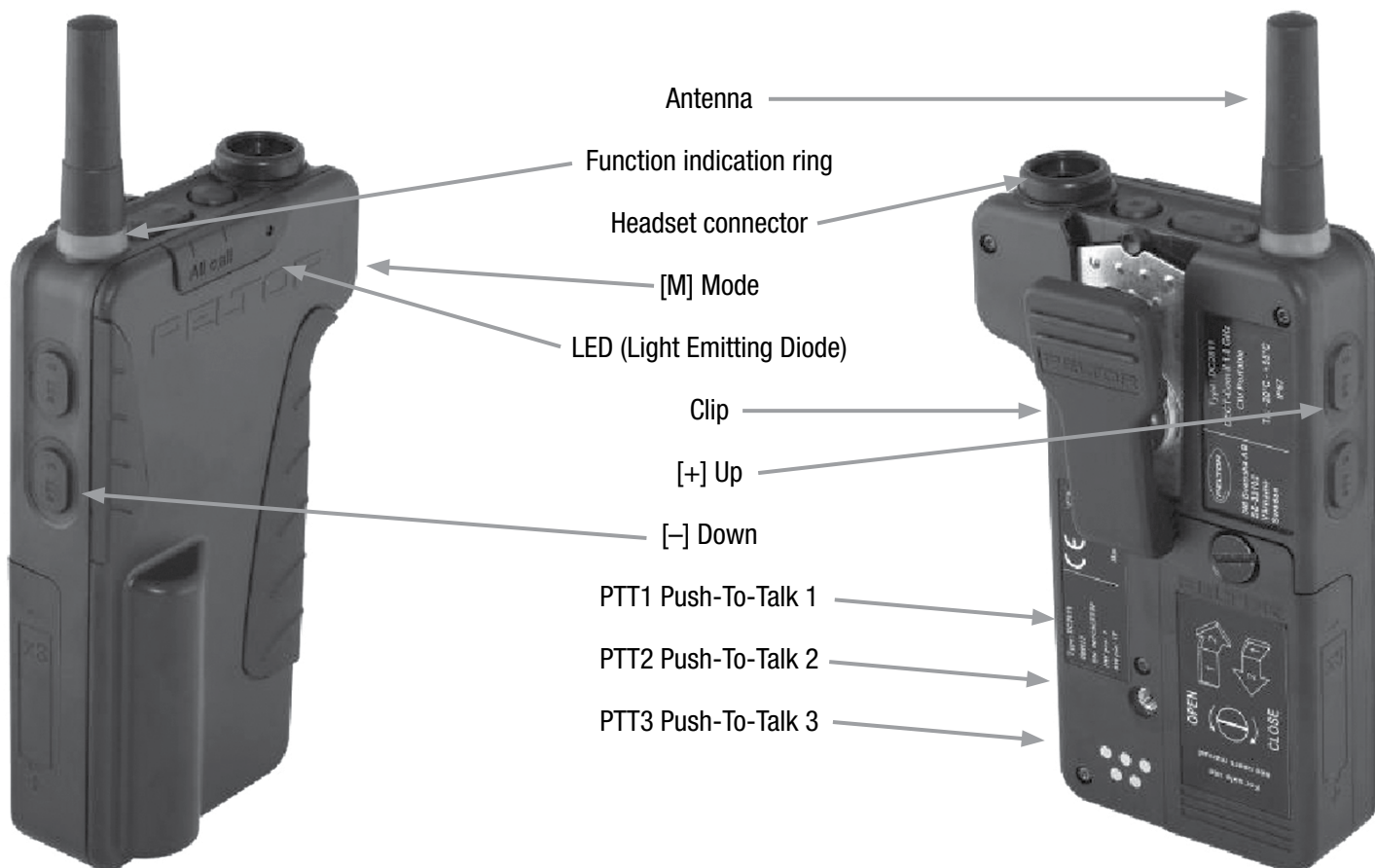
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QUICK GUIDE

Button	Function	Button	Function
[M]	Switch DECT-Com II unit on/off Select function in the menu	[PTT2]	Manually transmit in DECT-Com conference 2 or with a connected auxiliary equipment. Press twice to talk in conference 2 Press once to listen in conference 2
[+]	Increase the level of selected function	[PTT3]	Manually transmit in DECT-Com conference 3 or with a connected auxiliary equipment. Press twice to talk in conference 3 Press once to listen in conference 3
[-]	Decrease the level of selected function	[+] & [-]	All call (simplex transmission)
[M] & [+]	Switch DECT-Com II unit on as base		
[M] & [-]	Switch DECT-Com II unit on as portable		
[PTT1]	Manually transmit in DECT-Com conference 1 Press twice to talk in conference 1 Press once to listen in conference 1		

For latest revised full user's instructions, please see www.3m.com/peltorcomms on the Internet.

Look in section **"Rest of the world"** and find **"PDF LIBRARY"**, where you can read or download multilingual information about the 3M Peltor DECT-Com II system.



(Fig. A)

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PELTOR DECT-Com II

1 INTRODUCTION

Peltor DECT-Com II is a wireless intercom system for simple and efficient duplex communication with up to 9 active users talking in full duplex, plus up to 40 listeners with possibility to “break in” to the conference. Another user, who wants to talk in the conference, will take the place of one of the first users, who will be relegated to a “listen only”.

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

The base/portable units (DC2912 and DC2915) can be started as base or portable units, which is not possible with the portable unit (DC2911).

Peltor DECT-Com II **operates on the 1.9 GHz band**, which is licence free in USA and Canada. Please check with your local authorities!

Due to low output power and high frequency it is a short range communication system. The nominal line of site working range is approximately 275 yards outdoors. Indoors, the working range may be less due to obstacles.

Read this information carefully before use and save for future reference!

Never modify or alter any product!

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.

2 MAIN UNITS

2.1 PREPAIRING THE MAIN UNIT

Open the main unit box.

Mount one of the three antenna rings on the antenna connector.

The indication rings should be used to seal the antenna; green color for portable units, red for base units or black for “discrete” use.

NOTICE! The ring should be turned correctly to fit on the screw nut!

Screw the antenna tightly on top of the ring.

Mount the battery in the battery compartment and close the lid with the screw.

Mount the attachment clip on the back of the unit. Turn it to the tagged end down!

To charge the battery, place the unit in a charger/holder.

2.2 PELTOR DECT-Com II SYSTEM

2.2.1 MAIN UNITS, GENERAL 1.9 GHz

DC2911	1.9 GHz portable unit
DC2912	1.9 GHz base/portable unit
DC2915	1.9 GHz Ext. base/portable unit

2.3 SWITCHING A MAIN UNIT ON AND OFF

- Switch a DECT-Com II main unit on by pressing the **[M]** button.
In a headset, connected to the headset connector on the unit, a voice confirmation “**POWER ON**” or “**BASE, POWER ON**” is given and the **LED** (light emitting diode) is flashing, indicating that the unit is in set up mode.
When a **base unit** is ready for use, a voice message “**BASE, GROUP 1**” is given. The **LED** on the unit is flashing slower.
When a **portable unit** is ready for use, a voice message “**GROUP 1**” is given. The **LED** on the unit is lit.

Notice: All units are always started in listen only mode in group 1.

2.3.1 SWITCHING A MAIN UNIT OFF

- Switch a unit off by pressing and holding the **[M]** button for approximately 2 seconds.
A voice confirmation “**POWER OFF**” is given, the **LED** is unlit, and the unit is turned off.

2.4 BASE/PORTABLE UNIT

2.4.1 SWITCHING A BASE/PORTABLE UNIT ON

- Switch a base unit on by pressing the **[M]** button.
In a headset, connected in the headset connector on the unit, a voice confirmation “**BASE, POWER ON**” is given and the **LED** (light emitting diode) is flashing, showing that the base unit is setting up the system.

Notice: Initially, a base/portable unit is starting up as a base. (See also ALTERNATIVE OPERATION MODES OF BASE/PORTABLE UNITS below.)

After approximately 20 seconds, the system is ready and a voice message “**GROUP 1**” is given. The **LED** on the unit is flashing slower, showing that the base unit is ready for use and portable units can be logged on. (The LED can be switched off with use of special DECT-Com II software.)

2.4.2 SWITCHING A BASE/PORTABLE UNIT OFF

- Switch a base unit off by pressing and holding the **[M]** button for approximately 2 seconds.
A voice confirmation “**POWER OFF**” is given, the **LED** is unlit, and the unit is turned off.

2.4.3 ALTERNATIVE OPERATION MODES OF BASE/PORTABLE UNITS

By different start-up sequences the **base/portable** main units can be set up to work either as a base or as a portable unit.

2.4.3.1 STARTING A BASE/PORTABLE UNIT AS A PORTABLE UNIT

- Switch the unit on by pressing and holding the **[M]** and **[-]** buttons simultaneously for approximately 2 seconds.
In a headset, connected in the headset connector on the unit, a voice confirmation “**POWER ON**” is given, confirming that the unit is started as a portable unit.

After approximately 15 seconds, the unit is ready and a voice message “**BASE #, GROUP 1**” is given. The **LED** on the unit is lit, showing that the unit is ready for use as a portable unit, and is logged on to base No. #.
(The LED can be switched off with use of special DECT-Com II software.)

Notice: All units are always started in listen only mode in group 1.
Last used alternative (base or portable) is remembered between sessions.

2.4.3.2 STARTING THE UNIT AS A BASE UNIT

- Switch the unit on by pressing and holding the **[M]** and **[+]** buttons simultaneously for approximately 2 seconds.
In a headset, connected in the headset connector on the unit, a voice confirmation “**BASE, POWER ON**” is given, confirming that the unit is started as a base unit.

After approximately 20 seconds, the system is ready and a voice message “**GROUP 1**” is given. The **LED** on the unit is flashing slower, showing that the base unit is ready for use and portable units can be logged on.
(The LED can be switched off with use of special DECT-Com II software.)

A user with a headset connected in the headset connector on a base unit can also be participating in a DECT-Com II conference, similar to a portable unit. (See also parts 3, 4 and 6.)

Notice: All units are always started in listen only mode in group 1.
Last used alternative (base or portable) is remembered between sessions.

2.4.4 MAKING A BASE UNIT READY FOR PORTABLES TO BE REGISTERED

Each portable unit should be registered to a base unit to be part of a DECT-Com II conference.

- With the base unit in **LISTEN-ONLY** and **VOLUME** mode, double press on the **[M]** button to enter **REGISTRATION** mode.
A base unit in **REGISTRATION** mode is indicated by slow flashing **LED**.
- When all portable units are registered to the base unit, exit **REGISTRATION** mode by briefly pressing **[MODE]** button.

Notice: All main units are delivered open for registration from factory and a DECT-Com II system can be started directly “out of the box” by first starting a base/portable unit as a base as described above and after that, all portable units, sequentially and continually, as described above.

After the first turn off of the base unit, the configuration of the system is fixed and all future change of any units has to be handled by your Authorized Peltor DECT-Com II Dealer*).

If your system is delivered pre-registered in a certain configuration by your **Authorized Peltor DECT-Com II Dealer***, all future registration also has to be handled by your **Authorized Peltor DECT-Com II Dealer***.

2.5 PORTABLE UNIT

2.5.1 SWITCHING A PORTABLE UNIT ON

- Switch the portable unit on by pressing the [M] button.
In a headset, connected in the headset connector on the unit, a voice confirmation “**POWER ON**” is given and the **LED** on the unit is flashing green, showing that the unit is logging on to the base.
When the unit is ready for use, a voice message “**BASE #1, GROUP #1**” is given and the **LED** is steady green.

Notice: All portable units normally start in listen only mode in group 1.

At first start up a voice message “**SEARCHING**” is given. When a base is found a voice message **BASE (number), GROUP 1**” is given. When restarting a portable unit, which is programmed to be able to work with more than one base, it will try to log on to the last used base.

2.5.2 SWITCHING A PORTABLE UNIT OFF

- Switch the portable unit off by pressing and holding the [M] button for approximately 2 seconds.
A voice confirmation “**POWER OFF**” is given and the **LED** is turned off.
If the unit is still searching for a base when switching off, a voice confirmation “**WARNING, POWER OFF**” is given.

2.5.3 REGISTERING A PORTABLE UNIT ON A BASE

Each portable unit is registered to at least one base unit to be part of a DECT-Com II conference.

The unit is searching for bases. A voice message “**SEARCHING**” is given.

- With the portable unit in **LISTEN-ONLY** and **VOLUME** mode, double press [M] button to enter **BASE SELECT** mode.
A portable unit in **BASE SELECT** mode is indicated by flashing **LED**.
- When a base is selected, exit **BASE SELECT** mode by briefly pressing [MODE] button.
A voice confirmation **BASE (number), GROUP 1**” is given.

Notice: All main units are delivered open for registration from factory and a DECT-Com II system can be started directly “out of the box” by first starting a base/portable unit as a base as described above and after that, all portable units, sequentially and continually, as described above.

After the first turn off of the base unit, the configuration of the system is fixed and all future change of any units has to be handled by your **Authorized Peltor DECT-Com II Dealer***.

If your system is delivered pre-registered in a certain configuration by your **Authorized Peltor DECT-Com II Dealer***, all future registration also has to be handled by your **Authorized Peltor DECT-Com II Dealer***.

2.5.4 LOGGING ON A PORTABLE UNIT TO A BASE

There are two versions of log on:

1. At first power on, the base unit will allow any portable unit to log on. (See 2.1.4)
2. At next start up you will automatically be logged on to the base.

When the log on sequence is finished, the LED on the unit is fixed green and a voice message “**BASE (number), GROUP 1**” is given, confirming that the portable unit is logged on as a listen-only to the base and group with the given numbers.

⚠ If no confirming message is given; check that the base unit is switched on and in range!

⚠ If the message “**WARNING, SUBSCRIPTION EMPTY**” is given; there is no base unit registered to log on to.

⚠ If the messages “**SIGNAL LOW, OUT OF RANGE**” followed by another “**OUT OF RANGE**” is given; the portable unit has no connection with the base unit.

After approximately 20 seconds a message “SEARCHING” is given, indicating that the unit is searching for a base unit. You may be too far away from the base, or the base unit is switched off!

When in contact with a base unit again; a message “BASE (number), GROUP 1” is given, confirming that the unit is logged on to a base with the actual number.

2.5.5 LOGGING ON A NEW PORTABLE UNIT TO A BASE

If another portable unit shall be logged on to the base, the actual base unit must be set in **REGISTRATION** mode (see 2.1.4). The portable unit must be in **SEARCH** mode (see 2.2.7).

Notice: All main units are delivered open for registration from factory and a DECT-Com II system can be started directly “out of the box” by first starting a base/portable unit as a base as described above and after that, all portable units, sequentially and continually, as described above.

After the first turn off of the base unit, the configuration of the system is fixed and all future change of any units has to be handled by your **Authorized Peltor DECT-Com II Dealer***.

If your system is delivered pre-registered in a certain configuration by your **Authorized Peltor DECT-Com II Dealer***, all future registration also has to be handled by your **Authorized Peltor DECT-Com II Dealer***.

2.5.6 SEARCHING A BASE FROM A PORTABLE UNIT

- In **BASE SELECTION** mode on a portable unit; double press on the [M] button to enter **BASE SEARCH mode**.
A voice confirmation “SEARCHING” is given repeatedly, confirming that the unit is searching for active bases in range.
When a base is found a voice confirmation “BASE (number), GROUP 1” is given.
To find more bases, repeat this procedure again.

2.5.7 SELECTING ANOTHER BASE FROM A PORTABLE UNIT

- In **VOLUME** mode on a portable unit in **LISTEN** mode; double press on the [M] button to enter **BASE SELECTION MODE**.
A voice confirmation “BASE” is given, urging to select a base.
- Press [+] or [-] to cycle through the numbers of available bases and an auto setting.
A voice confirmation is given for each available choice: “AUTO”, “ONE”, “TWO”
Stop at your preferred base number (or auto, see below).
- Log on to the base by pressing the [M] button and return to listen only menu items by pressing briefly on the mode button.
A voice confirmation “LOGIN” followed by “BASE (number), GROUP 1” is given, confirming that the portable unit is logged on to the base with the given number as a listener in the given group.

If the system is “open” and “AUTO” is chosen, the unit will log on to the base with the highest signal strength.

Notice: If there is more than one DECT-Com II system within range of each other, the portable units could be pre-designated to certain bases respectively. Then, if the choice “AUTO”, the unit will log on to the first found of the pre-designated bases. (For programming DECT-Com II units, special PC software is needed. Contact your **Authorized DECT-Com II Dealer***!)

3 LOGGING IN TO OR OUT OF A CONFERENCE

Up to 9 active speakers and additionally more than 40 listeners can be members in a DECT-Com II conference, on the same base at the same time. They can be subdivided in up to 3 conferences with fewer members in each group.

3.1 LOGGING IN AS A LISTEN-ONLY CONFERENCE MEMBER

A portable unit is initially logged in to a conference as a **LISTEN-ONLY** member, taking part in the DECT-Com II conference as a listener only. A voice confirmation “BASE (number), GROUP (number)” with the actual conference number and group is given.

At any time it is possible for a **LISTEN-ONLY** member to enter as an **ACTIVE** member in a conference group by pressing a [PTT#] button. If the conference already consists of the maximum number of members, the first logged in **ACTIVE** member is pushed out to be a **LISTEN-ONLY** member.

3.2 LOGGING IN AS AN ACTIVE CONFERENCE MEMBER

- Press twice on [PTT #] to break in to one of the max. three conferences.
A double tone is confirming that you are an active member in the selected conference.
- Press once on the same [PTT #] again to change to listen-only mode.
A single tone is confirming that you are a listen-only member in the conference.

3.3 LOGGING IN AS AN ACTIVE CONFERENCE MEMBER IN ANOTHER CONFERENCE GROUP

- Press on another [PTT #] button to become a member in another conference.
A tone is confirming that you are a member in the selected conference.

3.4 AUTOTALK

A system for maximum 9 users can be programmed in a configuration where all the portables always should be in **TALK MODE**. Automatic talk mode makes it possible to ensure that all the members in the small group are speakers in the conference as soon as they are in range of the base unit.
(For further information; contact your *Authorized Peltor DECT-Com II Dealer*®.)

4 CONTROLS

4.1 MODE

The mode button [M] controls functions of the unit.

- Step forward through the **MENU** mode steps by pressing briefly on the [M] button.
Voice messages “**VOX**”, “**MICROPHONE**”, “**VOLUME**” are given respectively to confirm the actual mode.
- Step backwards through **MENU** mode steps by double press on the mode button.
Voice messages “**MICROPHONE**”, “**VOX**”, “**VOLUME**” are given respectively to confirm the actual mode.
- Use the [+] and [-] buttons to adjust the settings respectively.
Current settings are stored when the unit is switched off.

Notice: A double-press in **VOLUME** mode and **LISTEN ONLY** mode on a base unit will put the unit in **REGISTRATION** mode (see 2.1.4).
Double press in **VOLUME** mode and **LISTEN ONLY** mode on a portable unit will put the unit in **BASE SELECTION** mode (see 2.2.6).

4.1.1 VOLUME (sound pressure)

In **VOLUME** mode the level of the incoming audio can be set in 5 steps.

- Use the [+] or [-] button to set the sound level from the DECT-Com unit.
A voice message confirms the new setting each time you press a button.

4.1.1.1 VOLUME BOOST (higher sound pressure)

The volume levels on all active volume steps can be increased by +6 dB. For instance, this function can be used to compensate for additional attenuation from simultaneous use of ear-plugs and headset.

- Press the [+] button for 10 seconds to activate **VOLUME BOOST** function.
A voice confirmation “**EXTRA HIGH VOLUME**” is given when you have activated the function.

⚠ WARNING: High sound pressure may occur in the headset!

- Press the [-] button for 10 seconds to deactivate **VOLUME BOOST**.
A voice confirmation “**NORMAL VOLUME**” is given when you have deactivated the function.

4.1.2 VOX (Voice operated transmission)

In simplex radio communication, VOX normally means that reception of the incoming sound from the receiver is completely stopped when sound of a certain level reaches the microphone and switches the radio to transmission mode.

With the full duplex DECT-Com II units, VOX means “a voice operated noise gate”, which can prevent from transmitting background noise up to a certain sound level from units where the user do not speak, but can constantly, all the time, listen to the incoming sound from the conference.

- In **VOX** mode, use the [+] and [-] buttons to set the VOX sensitivity.
There are 7 **VOX** settings; “**OPEN – 1 – 2 – 3 – 4 – 5 – OFF**”, where OPEN means constantly transmitting (continuous full duplex) and OFF means that you have to use a [PTT#] button to transmit (see 4.2).
A voice message indicates your selected choice.
Last used setting is remembered between sessions.

IMPORTANT: If you are using a Peltor headset which has a microphone with ambient-noise compensation, always position the microphone very close to your lips (max. 3 millimetres) for optimal VOX function!

4.1.3 MICROPHONE

One of four microphone types (carbon, electret, dynamic or low impedance) can be chosen by the user, to adapt the amplification in the DECT-Com unit to the electrical signal level of the actually used microphone.

- In **MICROPHONE** mode, use the **[+]** and **[-]** buttons to set the used microphone type.
A voice message indicates your selected choice.
Last used setting is remembered between sessions.

4.2 PTT (Push-To-Talk)

There are three Push-To-Talk buttons **[PTT #]** on a DECT-Com II main unit.

PTT1 is always connected to conference group 1 while PTT2 and PTT3 are intended for groups 2 and 3 and/or for possibly attached external equipment (See **EXTERNAL EQUIPMENT** below).

- Press on a **[PTT #]** button to enter as a member in a DECT-Com conference (see part 3).

The **PTT** function is also always available in **VOX** mode.

Notice: If PTT2 and/or PTT3 are assigned for control of external communication equipment, separate user's instructions may apply for any special application. Contact your **Authorized Peltor DECT-Com Dealer*** for more information. (See part 9.2)

4.3 ALL-CALL (Emergency call etc.)

It is possible to communicate, in simplex mode, with DECT-Com II units in all groups on the base unit. It is also possible to reach other DECT-Com II conferences if their base units are synchronised and in range of each other.

The synchronisation should be done by starting the systems in range of each others. If this function should always be accessible, the bases have to constantly be in range (for instance as fixed mounted bases). If the bases have been out of range of each others, it may take up to 20 minutes to get them synchronised again!

- Press and hold **UP [+]** and **DOWN [-]** buttons simultaneously to transmit a short message.
A double tone is confirming that the **ALL-CALL** is activated. The transmission period is limited, normally to max. 30 seconds.

4.4 LOCKED BUTTONS

To avoid unwanted changes in the settings of functions, it is possible to lock all buttons, so that only the ON/OFF function is active.

This can preferably be combined with the automatic talk mode function. (See also **AUTOTALK** above.)

Notice: Many of the functions and settings in DECT-Com II can be adjusted according to the user's demands. For further information; contact your **Authorized Peltor DECT-Com II Dealer***.

5 OUT OF RANGE

Peltor DECT-Com II is a short range communication system. (See **TECHNICAL DATA OF MAIN UNIT** below.)

If the portable unit is close to the actual maximum working range from the base unit, a voice message "**SIGNAL LOW**" is given in the connected headset.

When the portable unit is out of range from the base unit, a voice message "**SIGNAL LOW, OUT OF RANGE**" is given in the connected headset. After another 20 seconds, it may try to find another base and a voice message "**SEARCHING**" is given.

When the portable unit is in range again, or another base is found, a voice message "**BASE (number)**" is given in the connected headset.

If automatic talk mode function is activated, a portable unit, after being out of range, always return to **TALK MODE** as soon as it is in range again. (See **AUTO TALK** above.)

6 POWER SUPPLY

A main unit can generally be powered from a rechargeable battery pack **DC2033**.

The external battery carrier **DC2032**, for 6 or 3 type AA batteries, can also be used to increase the usage time of the unit.

Also, a main unit can be continuously power supplied in a power supply holder **DC2068**.

6.1 INTERNAL BATTERIES

6.1.1 BATTERY PACK

The main units require a special Peltor battery pack **DC2033**.

6.1.2 CHANGING THE INTERNAL BATTERY PACK

- Switch the unit off by pressing and holding the [M] button for approximately 2 seconds.

A voice confirmation “**POWER OFF**” is given and the LED is turned off.

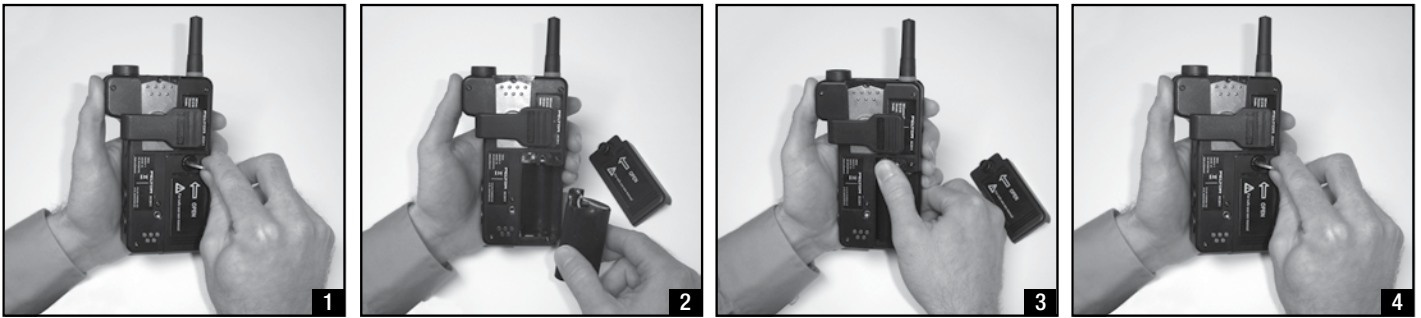
Turn the clip aside and loosen the screw with a suitable tool (see figure 1). (⚠ **Warning:** Do not use your nail! It may break.)

Open the battery lid and replace the battery (see fig. 2).

Push the battery pack down firmly to get the connecting plates in contact with the pins (see fig. 3).

Hook the battery lid on to the bottom of the unit, close it, press down and tighten the screw again with the tool (see fig. 4).

(⚠ **Warning:** Do not use your nail! It may break.)



⚠ The message “**BATTERY LOW**” indicates that the energy in the battery is low and you should change or charge battery as soon as possible.

⚠ The message “**BATTERY EMPTY**” indicates that the energy in the battery is very close to empty and the unit will automatically switch off!

6.1.3 CHARGING AN INTERNAL BATTERY PACK

A rechargeable NiMH-battery **DC2033** has to be charged in a main unit with an appropriate Peltor charger/holder.

CHARGING A BATTERY PACK IN A MAIN UNIT

When placed inside a main unit, a rechargeable NiMH-battery pack **DC2033** can be charged with the main unit in a Peltor charger/holder **DC2064**. For fixed use of main units in high or low temperatures (below 5°C or above 45°C), where NiMH batteries can not be charged, the Power Supply/holder **DC2068** may be used. (See part 6.4)

The combined **DC2064** charger and holder unit for the DECT-Com main unit, which is sealed according to IP42, may be used in dry areas.

6.2 EXTERNAL BATTERIES

The external battery carrier **DC2032** can be mounted on the back of the main unit. It offers extra energy for longer usage time. Any standard batteries (6 x 1.5 Volts, type AA) or rechargeable batteries (6 x 1.2 Volts, type AA) can be used.

6.2.1 MOUNTING OF EXTERNAL BATTERY CARRIER

Place 3 or 6 batteries inside the battery carrier **DC2032** according to the figures below.

Remove the attachment clip **DC2071**, if it is mounted on the main unit (see fig. 5).

Mount the battery carrier on the main unit (see fig. 6).

Tighten the screw with a suitable tool (see fig. 7). (⚠ **WARNING:** Do not use your nail! It may break.)

A voice message “**EXTERNAL BATTERY**” indicates that the external battery is in use.



6.2.2 CHANGING OF DRY BATTERIES IN EXTERNAL BATTERY CARRIER

When the energy in the battery is low, a voice message "**BATTERY LOW**" announces that it is time to charge the batteries or, when appropriate, to change batteries.

When the batteries are very close to empty there is a voice message "**BATTERY EMPTY**" and the unit will automatically switch off!

Open the battery lid according to picture on the battery lid.

NOTICE! Always switch off the DECT-Com II unit before changing batteries!
Check that the batteries are correctly installed before closing the battery lid!

6.3 FIXED MOUNTED POWER SUPPLY

For fixed use of main units the Power Supply/holder DC2068 can be used.

Notice: The Power Supply/holder **DC2068** will supply the main unit with sufficient power also in usage temperatures from -26°C to +70°C, but it will only maintenance charge the internal rechargeable battery pack! A base unit with a rechargeable NiMH-battery pack **DC2033** in "good condition" may only have enough power for serving the system properly during a very short power outage!

6.3.1 AUTOMATIC RESTART OF A BASE UNIT

With the Connector Sealing Plug **DC2078** it is possible to have a base unit, which is placed in a power supply **DC2068**, automatically restarted after a power failure. Instead of a headset in the connector on top of the base unit, the "arm" of the connector sealing plug is pressing on the "MODE" button of the main unit, enabling automatic restart after shorter power outages.

6.4 MAINS ADAPTER

There is also a separately sold mains adapter **DC2061**, with exchangeable European, UK and US type mains connectors, for the input of 100 - 240 Volt AC, 50/60 Hz. It may replace a faulty mains adapter for a charger/holder **DC2064** or a power supply/holder **DC2068**. (It may also be used with a programming charger/holder **DC2065**, but which is only available for Authorized Peltor DECT-Com II Dealers.)

7 ANTENNAS

7.1 GENERAL ANTENNA

A DECT-COM II main unit normally works with one of two antennas; one internal on the printed circuit board and one external antenna, mounted in a connector on top of the unit.

The external antenna **DC2041**, which is delivered with all DECT-Com II main units, should normally be mounted on the main unit together with a plastic ring (see **UNIT FUNCTION INDICATORS** below).

7.1.1 UNIT FUNCTION INDICATORS

A package **DC2048** with 3 differently coloured plastic rings is enclosed in the box of each DECT-Com II main unit. The rings are meant to seal around the antenna connector, but also to indicate the function of the unit; for instance a red ring for a base unit, a green ring for a portable unit and a black ring for an "other" unit.

7.2 OMNIDIRECTIONAL VEHICLE ANTENNA

If a base unit is placed inside a vehicle, the omnidirectional antenna **DC2046**, with magnetic foot, can replace the external antenna **DC2041** to improve communication with portable units outside of the vehicle.

Contact your **Authorized Peltor DECT-Com II Dealer*** for the following options!

8 EXTERNAL EQUIPMENT

8.1 EXTERNAL EQUIPMENT

The Extension Base/Portable unit DC2815 is equipped with a connector for connecting external equipment, like communication radios, telephones etc. In the list of **PELTOR DECT-Com II PRODUCTS** (see below) you will find adapter cables for the most common communication radios, a general telephone cable and a cable for ground mechanic.

9 PELTOR DECT-Com II UNITS

9.1 MAIN UNITS, GENERAL 1.9 GHz

DC2911	1.9 GHz portable unit
DC2912	1.9 GHz base/portable unit
DC2915	1.9 GHz Extension base/portable unit

9.2 ACCESSORIES AND SPARE PARTS

DC2031	Battery lid for use with 3xAA standard batteries in main unit.
DC2032	Battery carrier for 6xAA auxiliary batteries (excl. batteries).
DC2033	Rechargeable NiMH-accumulator (2100 mAh)
DC2035	Screw for battery lid DC2031
DC2036	Screw for battery carrier DC2032
DC2041	Antenna, general, 1.9 GHz for main unit
DC2046	Antenna, omnidirectional with magnetic foot
DC2048	Antenna ring kit, one of each colour; red, green and black
DC2061	Mains adapter for charger/holder etc., common for EU, UK and US
DC2064	DECT-Com II Charger/holder, 9-15 V DC, IP42 (incl. mains adapter DC2061)
DC2068	Power Supply/holder, 9-33 V DC, IP67 (incl. mains adapter DC2061)
DC2071	Attachment clip, fully rotary for attaching the main units to clothes etc.
DC2072	Cable for Ground Mechanic
DC2078	Connector sealing plug
DC2-5001	Adapter cable for "dynamic standard"
DC2-5005A	Adapter cable for telephone 2.2 kOhms
DC2-5010	Adapter cable for ICOM, straight connector
DC2-5030	Adapter cable for Motorola GP340
DC2-5063	Adapter cable for Motorola Mototrbo

10 TECHNICAL DATA OF MAIN UNIT

		UPCS
Frequency range:		1920 – 1930 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. 165 h (portable 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)

11 APPROVALS

11.1 DECLARATION OF CONFORMITY

See last pages in this user's manual!

11.2 APPROVALS

Electrical safety:	EN 60 950:2001
EMC:	EN 301 489-01:2000 EN 301 489-06:2000 FCC part 15, Subpart D; RSS-213
DECT/radio:	EN 301 406-V1.4.1 2001
SAR	EN63211:2008 FCC OET Bulletin 65, Supplement C, Edition 01-01

11.3 FCC Note: This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

11.4 IC Note: Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. The Term "IC": before the certification/registration number only signifies that the Industry Canada technical specifications were met.

12 WARRANTY

Two year guarantee of conformity with the contractual specifications of the quality and performance of the goods. Full information about the Peltor warranty is available on request. "Non-conformity goods" should be returned to your **Authorized Peltor DECT-Com II Dealer***, or to **one of the Peltor Repair Centers****.

13 PROGRAMMING DECT-Com II UNITS

Special software and a programming holder are available for customizing several functions in the DECT-Com II system. Contact your **Authorized Peltor DECT-Com II Dealer*** for further information!

14 DECLARATION OF CONFORMITY

A copy of the Declaration of Conformity (in English) is found on the last pages of this user's manual.

***) For address to your nearest Authorized Peltor DECT-Com II Dealer, contact your 3M office!**

*****) For address to your nearest Peltor Repair Center, contact your 3M office!**

15 VOICE MESSAGES

Message	Part	Content
BASE	2.2.6	SELECT A BASE FROM A PORTABLE UNIT
BASE POWER ON	2.1.1	SWITCH A BASE UNIT ON
	2.1.3.1	START THE UNIT AS A BASE UNIT
BASE (number)	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
	2.2.6	SELECT A BASE FROM A PORTABLE UNIT
	2.2.7	SEARCH A BASE FROM A PORTABLE UNIT
	3.1	LOG IN AS A LISTEN-ONLY CONFERENCE MEMBER
	5	OUT OF RANGE
BATTERY EMPTY	6.1.3	CHANGE OF INTERNAL BATTERY PACK
	6.2.2	CHANGE OF DRY BATTERIES IN EXTERNAL BATTERY CARRIER
BATTERY LOW	6.1.3	CHANGE OF INTERNAL BATTERY PACK
	6.2.2	CHANGE OF DRY BATTERIES IN EXTERNAL BATTERY CARRIER
EXTERNAL BATTERY	6.2.1	MOUNTING OF EXTERNAL BATTERY CARRIER
GROUP 1	2.1.1	SWITCH A BASE UNIT ON
GROUP (number)	2.1.1	SWITCH A BASE UNIT ON
	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
	3.1	LOG IN AS A LISTEN-ONLY CONFERENCE MEMBER
LOGIN	2.2.6	SELECT A BASE FROM A PORTABLE UNIT
MICROPHONE	4.1	MODE
OUT OF RANGE	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
	5	OUT OF RANGE
POWER OFF	2.1.2	SWITCH A BASE UNIT OFF
	2.2.2	SWITCH A PORTABLE UNIT OFF
	6.1.3	CHANGE OF INTERNAL BATTERY PACK
POWER ON	2.1.3.2	START THE UNIT AS A PORTABLE UNIT
	2.2.1	SWITCH A PORTABLE UNIT ON
	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
SEARCHING	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
	2.2.7	SEARCH A BASE FROM A PORTABLE UNIT
	5	OUT OF RANGE
SIGNAL LOW	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
	5	OUT OF RANGE
VOLUME	4.1	MODE
VOLUME (level)	2.1.4	MAKE A BASE UNIT READY FOR PORTABLES TO BE REGISTERED
	2.2.3	REGISTER A PORTABLE UNIT ON A BASE
VOX	4.1	MODE
WARNING, SUBSCRIPTION EMPTY	2.2.4	LOG ON A PORTABLE UNIT TO A BASE
EXTRA HIGH VOLUME	4.1.1.1	VOLUME BOOST
NORMAL VOLUME	4.1.1.1	VOLUME BOOST



Last pages = Copy of Declaration of Conformity (Last in English only)

In the United States

3M Peltor
5457 West 79th Street
Indianapolis, IN 46268
Attn: Repair Department

In Canada

3M Canada Company
14 Plastics Ave
Toronto, Ontario M8Z4B7

In The UK

3M United Kingdom PLC
3M Centre
Cain Road
Bracknell, RG12 8HT

In Sweden

3M Svenska AB Personskydd
Bollstanäsvägen 3
191 89 Sollentuna

When sending repairs to 3M Peltor please include the following information:

1. Name
2. Address
3. Phone
4. Fax if one is available
5. Enclose a letter stating the problem
6. If unit is under warranty, a copy of the receipt must be included
7. If unit is not under warranty, a FREE repair estimate will be provided to the customer within 2-3 days of receipt of the product by 3M Peltor.
8. We recommend the customer use a courier for shipping product to 3M Peltor for repair so proof of delivery can be tracked. Please keep all tracking numbers to insure your package is received.

PELTORTM