

# inspiro)))))) DynaMic

DISCOVER DYNAMIC FM

## User Guide



PHONAK

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# Welcome

inspiro and DynaMic are FM transmitters ideally suited to the needs of teachers and suitable for use in both regular and special schools.

inspiro's outstanding design, with its large color display, makes this transmitter unique. Soft keys, an alarm clock, different wearing options and a wealth of other details reflect Phonak's passion for user friendliness.

DynaMic, the inspiro passaround microphone, is designed to work exclusively alongside inspiro in the MultiTalker Network. With its simple, robust and childproof design DynaMic integrates inspiro's high performance FM technology.

Please read this manual carefully to benefit from all the features of your inspiro and DynaMic FM transmitters. Ask your hearing care professional if you have any questions.

With proper care and usage, inspiro and DynaMic will support your hearing and communication needs for many years.

inspiro and DynaMic are quality products developed by Phonak. Phonak is the world leader in FM technology, innovation and reliability based in Switzerland.

**Phonak – Life is on**

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## Further resources:

To find out more about inspiro, DynaMic, and Phonak FM in general, we recommend visiting the following websites:

- **[www.eschooldesk.com](http://www.eschooldesk.com)**

This is a special website specifically dedicated to providing support to teachers, parents and other inspiro and DynaMic users. The short movies available present for example various functions and trouble shooting for FM systems aim to provide assistance in daily life.


- **[www.phonak.com](http://www.phonak.com)**

This is Phonak home page. Go on the product section and click on the FM systems. You can find useful information about inspiro and DynaMic as well as FM receivers.

- **[www.fmelibrary.com](http://www.fmelibrary.com)**

This is an online scientific library about FM systems.

The following symbol appears in this user guide:

 Important notes for all users.

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# inspiro

## inspiro and accessoires

inspiro is delivered with either the iBoom or the iLapel microphone, depending on the customer wish. All the accessories can also be ordered separately.

① inspiro \_\_\_\_\_



② Microphones: iBoom or iLapel \_\_\_\_\_



③ inspiro wearing options:  
Belt clip and lavalier cord \_\_\_\_\_



④ Audio cable \_\_\_\_\_



⑤ Charging unit \_\_\_\_\_



⑥ Home and travel case \_\_\_\_\_





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## Important inspiro figures

### Operating time and charging:

- Operating time when the battery is fully charged:
  - ▷ approx. 12 hours
- Charging time for an 80% charge:
  - ▷ approx. 1 hour
- Charging time for a 100% charge:
  - ▷ approx. 2 hours

### Operating range (FM transmission):

- Inside a building:
  - ▷ approx. 50 feet (15 meters)
- Outside:
  - ▷ approx. 130–170 feet (40–50 meters)

 **High-powered electronic equipment, large electronic installations and metallic structures may impair and significantly reduce the operating range.**

## Controls



### inspirio

- ① ON/OFF slider
- ② Color LCD
- ③ Soft Keys
- ④ Keypad lock key
- ⑤ Microphone mute key



- ⑥ 3.5 mm audio input
- ⑦ mini-USB for charging



- ⑧ Button to attach the belt clip and the lavalier
- ⑨ Cable wrapper



#### **iLapel microphone**

- ⑩ Microphone openings (do not cover!)
- ⑪ Wearing clip



#### **iBoom microphone**

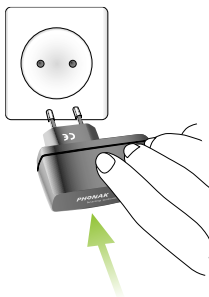
- ⑫ Adjustable ear loop
- ⑬ Microphone (do not cover!)

# Getting Started

## Charging inspiro

inspiro contains a re-chargeable built-in state-of-the art lithium polymer battery with fast-charge capability. A fully-discharged battery will charge to 80% in one hour and 100% in 2 hours.

Select an easily accessible socket outlet and plug the charging unit into the socket outlet.



Connect the mini-USB plug from the charging unit to the inspiro.



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 Use only the original Phonak charging unit for inspiro.

The segments in the battery symbol flash during charging. The battery cannot be over-charged.



If the charging unit is removed from the inspiro, the segments in the battery symbol show the actual capacity.



If the battery is fully charged, the battery symbol in the LCD shows four segments.

### Low battery alarms

inspiro provides an automatic vibra alarm if the battery is low.

- **Approximately 1 hour before battery is empty:**

A vibrating alarm is activated. Check the message on the LCD and follow the instructions.

- **Approximately 15 minutes before battery is empty:**

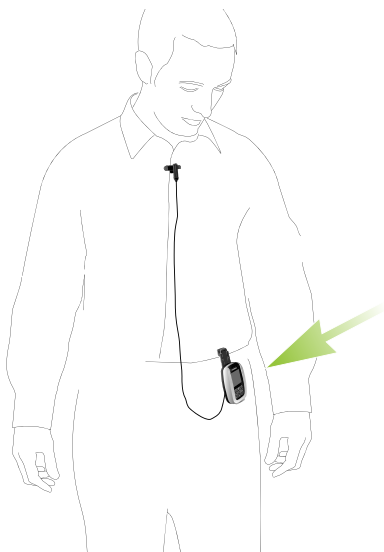
If inspiro has not been charged after the first alarm, the second vibrating alarm is automatically activated before the battery is completely exhausted. Check the message on the LCD and follow the instructions. If the battery is not being charged at that time, inspiro switches OFF automatically in 15 minutes.

If the battery is completely exhausted, there will be no segments in the battery symbol and the battery symbol in the LCD will change from white to red.

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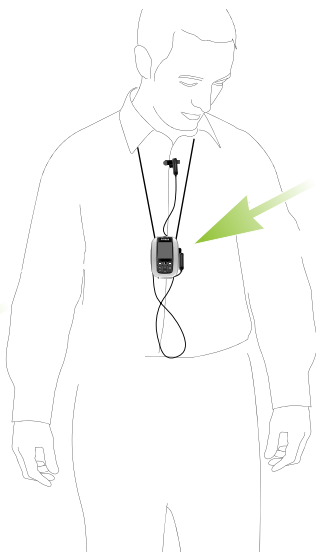
## Wearing inspiro

inspiro can either  
be worn on the belt  
by using the clip...



(see page 16)

...or around the neck  
by using the lavalier

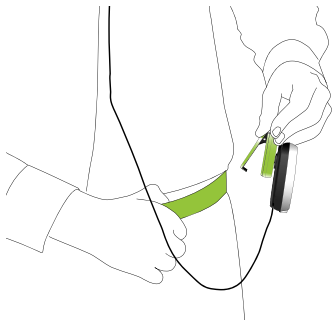


(see page 18)

### Attaching the clip to the inspiro:

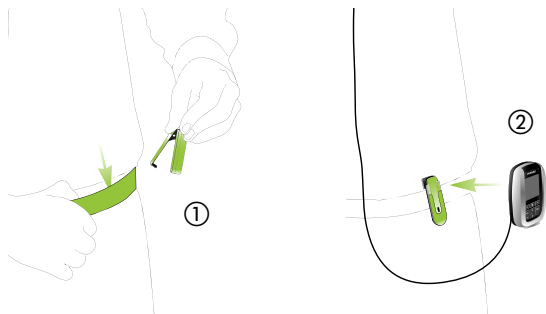


Attach the clip to the button on the backside of the inspiro. Make sure the clip holds securely on the inspiro.



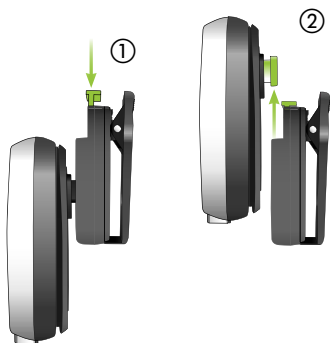
Fix the clip to the belt or trousers. Make sure the clip on the inspiro holds securely.





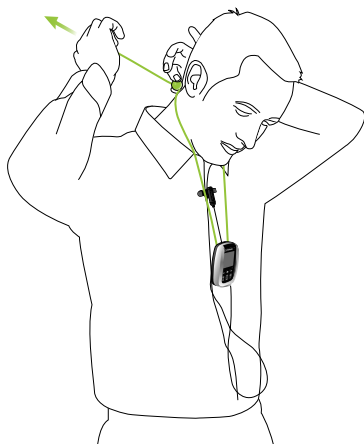
The clip can also be fixed to the belt or trousers before the inspiro is attached. Make sure the clip is secured to the inspiro.

To remove the clip from the inspiro, press the button on the clip and carefully remove the clip from the inspiro.



### Attaching the lavalier to the inspiro:

Attach the lavalier to the button



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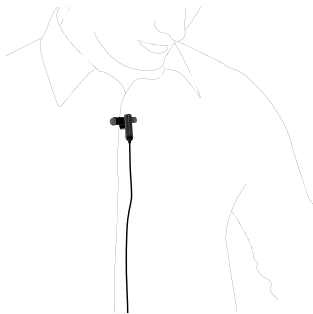
## Wearing iLapel

iLapel is an easy-to-use directional lapel microphone which provides excellent sound quality.

- a) Unwind the iLapel from the inspiro.

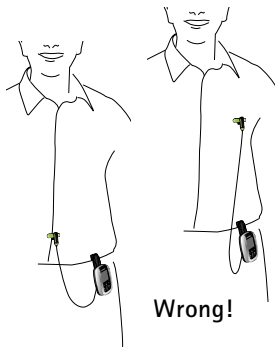
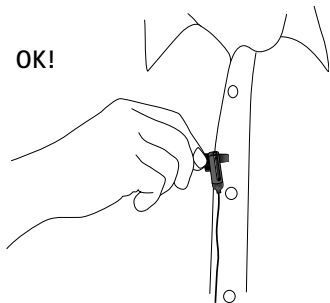



- b) Fix the iLapel to your shirt and make sure the distance between the microphone and your mouth is approximately 8 inches (20 cm).



### iLapel wearing position:

OK!



 Do not cover the two microphone openings!

If you are uncertain whether the iLapel is in the correct position, activate the SoundCheck feature in inspiro. SoundCheck helps to position the iLapel correctly.

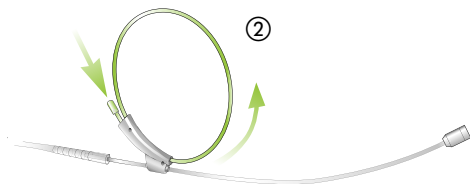
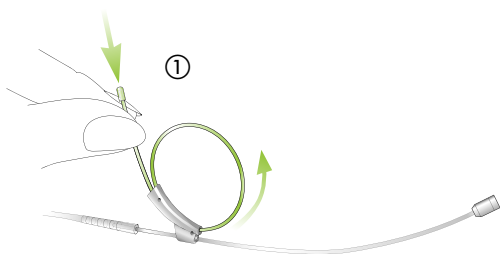
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## Wearing iBoom

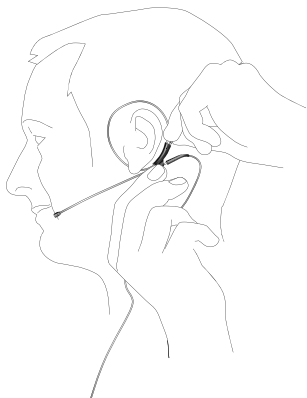
iBoom is an ultra-lightweight boom microphone. Extremely comfortable to wear, it can be worn on the left or right ear and adjusts easily to fit all ear and head sizes.

How to fit the iBoom to the ear:

- a) Slightly enlarge the diameter of the ear loop.



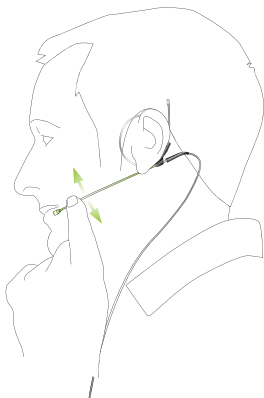
- b) Open the loop carefully and attach the iBoom to the left or right ear.



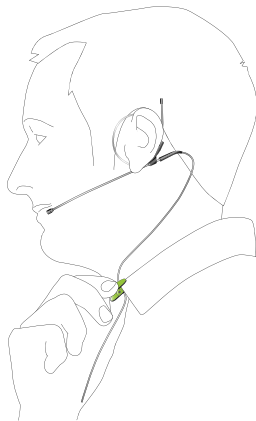
- c) Hold the iBoom with one hand and slightly pull the black lever with the other hand to reduce the diameter of the ear loop until the iBoom holds securely.



- d) Adjust the boom arm in order to bring the microphone as close to the mouth as possible.



- e) Fix the clip on your clothes as depicted and make sure the cable is not stretched between the clip and the ear.



**⚠ Do not bend the boom arm!**



### Switch ON inspiro

To switch ON, push the slider to the left until the green mark appears and the LCD is illuminated.

To save power, the backlight of the inspiro LCD is switched OFF after a certain time. Press any button to activate the LCD backlight.

To switch OFF inspiro, push the slider to the right.



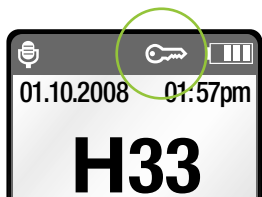
**⚠** The inspiro can also be switched OFF if the keypad is locked!



## Activate the key pad lock

It is recommended to activate the key pad lock whenever possible.

To activate the key pad lock, go to the highest menu level as shown above and press the key showing the key symbol, then press OK. A key symbol appears in the status bar.



**⚠** If the key pad lock is activated, the six keys are locked. Please note that the ON/OFF slider is never locked and can always be used!

To unlock the keys, repeat the above procedure.

### Monitoring

Monitoring is a simple and easy way to check the functionality of FM receivers. **We recommend monitoring receivers every day.** By pressing the Monitor soft key, the inspiro reads the information from a child's FM receivers (one or two FM receivers).

The procedure is as follows:

- Hold the inspiro close to the child, at a distance of approximately 20 cm / 8 inches from the receivers. Ensure that no other receivers are within synchronisation range.
- Then press the left soft key **Monitor** at the top Menu level. The inspiro then begins to search for receivers. Make sure you are within synchronisation range until the receivers are shown on the inspiro's LCD display.
- The result of the Monitoring process will be displayed on the inspiro's LCD display. The completion of the Monitoring process is marked with a beeping sound.  
If the beeping sound cannot be heard in the hearing device, the child's hearing device is probably not in an FM program. Contact your Hearing care professional on matters concerning the right hearing instrument program for FM.



- In order to view detailed Monitoring results, select the desired receiver on the inspiro LCD display and press the OK key. For the purpose of this step, you no longer need to be close to the receiver.

⚠ Monitoring will only be performed if the receiver is connected to the hearing device and the receiver and the hearing instrument are turned ON.

⚠ Monitoring will only work with Phonak Dynamic FM receivers, like MLxi, ML9i, ML10i, ML11i, ML12i, MLxi Baha. If you are not sure that your receivers are Phonak Dynamic FM receivers, ask your hearing care professional.

# Using inspiro

## Talking

Before you start talking to the children, make sure of the following:

- the microphone is properly positioned (see page 20)
- the inspiro is turned ON (see page 24)
- and the microphone is active, not muted (see page 30)

We also recommend activating the keypad lock.

**⚠ Do not touch the microphone if the inspiro is turned ON.**  
If you need to reposition the microphone, simply press the microphone mute key to avoid any amplified noise.



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## SoundCheck

The SoundCheck lets you verify whether the microphone is properly positioned, as well as checking the noise level in the classroom. The required procedure is as follows:

- Activate the SoundCheck in the top menu level. Then follow the instructions shown on the inspiro's LCD display.
- Talk continuously until the inspiro stops measuring.

The inspiro will show two results:

- If the level of your voice is good, this will be indicated with a green bar. If the bar is yellow or red, however, you may need to reposition the microphone or to speak more loudly.
- If the noise level in the room is in the red or yellow zone, discuss with your hearing care professional whether there are possibilities to improve the acoustics in the classroom.

### Muting the microphone

The inspiro's microphone can be muted simply by pressing the microphone key on the device. If you have forgotten to activate the microphone, inspiro will warn you with a vibrating alarm after 15 minutes.



- This symbol shows that the microphone is active:



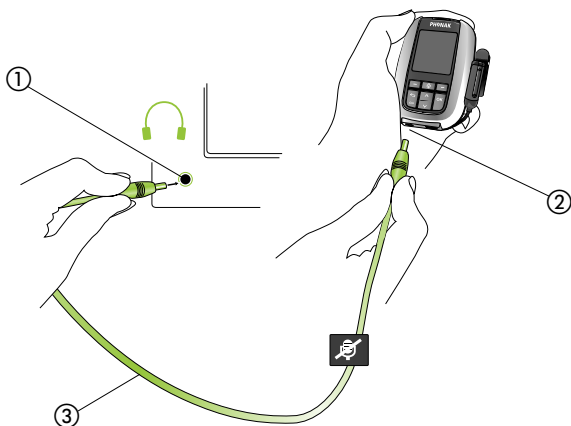
- This symbol shows that the microphone has been muted:





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## Using the inspiro with an MP3 player, TV set, GPS, computer or Hifi

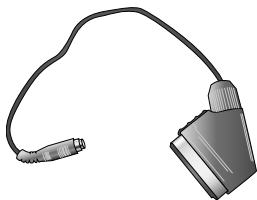
The inspiro can be directly connected to any audio equipment via the audio input socket on the inspiro.



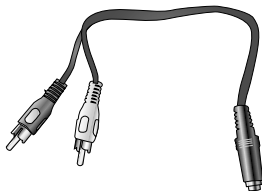
- ① Plug in to the television's headphone jack
- ② Plug in to the audio jack  AUDIO
- ③ Audio cable (standard accessory)


- If the audio cable is plugged in, the audio symbol appears on the inspiro's LCD display. 
- The microphone can still be activated when the audio input is connected.
- Some televisions are equipped with a separate audio output volume control, or a muting function. Please refer to the television's operating instructions for details.
- Certain pieces of audio equipment feature a Scart or Cinch audio output. Phonak offers an optional adapter for connecting the audio cable to Scart or Cinch sockets.

Scart adapter



Cinch adapter



 Unwind the microphone cable in order to reach the maximum operating distance.



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## Synchronizing receivers

If you change the channel of the inspiro transmitter, you should always make sure that the channel of the receivers is synchronized to the new inspiro channel. In order to synchronize the receivers, the inspiro needs to be close to the receivers (at a distance of approximately 20 cm / 8 inches).

- Follow the instructions shown on the inspiro, for example if you change the inspiro channel or if you activate the Channel Finder.
- In the top screen, you can have direct access to the synchronization feature by pressing the right soft key labeled 'Sync'.



- The Monitoring feature (see page 26) also checks whether the receivers are on the same channel as the inspiro.

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# Individual inspiro configuration


## Setting the alarm time

The inspiro includes an alarm function. As with mobile phones, an alarm time can be entered and the alarm can be either activated or deactivated.

 **The alarm will only be displayed if the inspiro is switched on!**

In order to set an alarm time, proceed as follows:

- Enter the **Settings** menu and then select **Alarm**.
- Select **Alarm time** and then press **OK**. Using the **Up** and **Down** keys, you can set the first digit of the alarm time. After pressing **OK**, the cursor then moves to the next digit. If the complete time has been entered, press **Save**.
- Then select **Set Alarm**.
- Select **On** and then press **OK**.

The alarm time has now been set and the alarm has been activated. This is confirmed by the presence of the bell symbol in the top part of the screen. 

---

If an alarm sounds, the inspiro will vibrate and a message will pop up on the screen. Confirm this message using the OK button.

## Setting the preferred date format

A choice of two date formats is available on the inspiro:  
DD.MM.YYYY or MM/DD/YYYY

- Enter the **Settings** menu and then select **Date & Time**.
- Select **Date format** and then press **OK**.
- Select the required date format by using the **Up** or **Down** key. Then press **OK**.

The preferred date format has now been selected and the date at the top of the screen is now displayed in the new format.

The inspiro also offers two time formats:

24-hour clock

12-hour clock (am/pm)


- In order to select the desired time format, scroll down in the **Date & Time** menu and then select **Time format**. Then proceed in the same manner as when changing the date format.

### Adjusting the settings of the LCD display

The settings of the inspiro's LCD display are pre-set. Should you wish to change the presets, please proceed as follows:

- Enter the **Settings** menu and then select **Display**.
- Select the **Backlight** menu to increase or decrease the level of brightness of the backlight of the LCD display.
- Select **Turn off light** to set the time when the inspiro should switch OFF the backlight in order to save power.
- Select **Turn off display** to set the time when the inspiro should switch OFF the LCD display to save power. The recommended setting is **never**.

You can also check the help in the inspiro menu for further information.

 **Always check the inspiro ON/OFF slider to determine whether the inspiro is either switched ON or OFF! If the inspiro is ON and the LCD display is OFF, the display will be black, whilst if the inspiro is ON and the background light is OFF, the LCD display will be dimmed!**

---

If the inspiro is turned ON but the LCD display is OFF or the backlight is OFF, press the **OK** key to activate the LCD display!

## Selecting a desktop picture

The inspiro offers a choice of three desktop pictures. One of these three pictures is already active in your inspiro. If you wish to select another of the desktop pictures, then proceed as follows:

- Enter the **Settings** menu and then select **Desktop picture**.
- The LCD display shows the first desktop picture. Press the **Down** key once to see the second picture. Pressing the Down key again will show the third desktop picture. Once you have chosen your preferred picture, press the **Save** soft key.

### Selecting your language

The inspiro offers a choice of nine different languages. Should you wish to change the current inspiro language, then proceed as follows:

- Enter the **Settings** menu and then select **Language**.
- You will now see the nine different languages available listed on the LCD display. The currently selected language is marked with a black dot. All of the other languages are marked with a light grey dot.
- Select the desired language using the **Up** and **Down** keys. Then press **OK**. An information window will pop up and then disappear automatically after 2 seconds. Alternatively, you can press **OK** to close the window immediately.

The new language has now been set. All of the menu items, help texts and information windows will now be displayed in the selected language.

---

## Brief description of the menu items

inspiro can be used in the following two operating modes:

- **Standard operating mode**

This is the mode for standard use, as well as for use by all parents and teachers who do not require any special features.

- **Extended operating mode**

This is the mode for all users who require access to special FM features, such as the MultiTalker Network, etc.

The inspiro's operating mode can be modified by a hearing care professional.

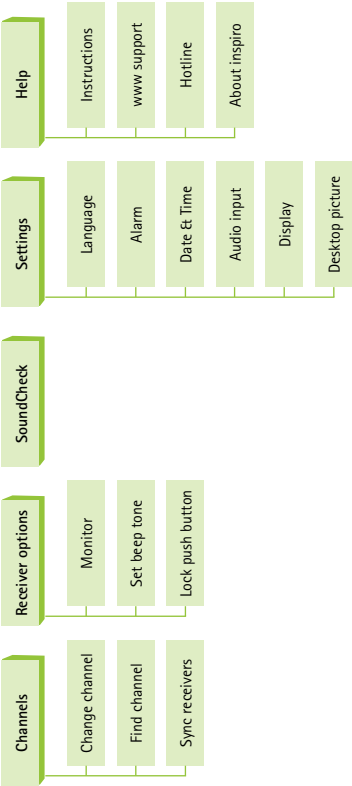
### Standard operating mode

#### Channels

- **Change channel**

Change the inspiro's transmitting FM channel by scrolling up or down through the FM channel list. You can select a new channel using the 'OK' key. FM receivers can be directly synchronized to the new channel by pressing the right soft key.

# Brief description of the menu items



Standard operating mode



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- **Find channel**

Finds a new, clean FM channel. All of the channels available in the inspiro are first checked and then the inspiro proposes the best channel for use. Follow the instructions in the inspiro!

- **Sync receivers**

Changes the FM channel on the receiver to the current inspiro channel. The receiver must be within arm's length. Beeping sounds confirm that synchronization is complete.

## Receiver options

- **Monitor**

This performs a wireless check on the receivers. The inspiro should be kept close to the receivers. The receivers must be connected to a hearing device and the hearing device must be switched ON. A beeping sound marks the end of the check. Monitoring works only with Phonak Dynamic FM receivers.

- **Set beep tone**

Choose between the different beeping tones available to indicate when the Dynamic FM receivers are being synchronized or monitored.

- **Lock push button**

Locks or enables the push button on the universal MLxi receiver.

## SoundCheck

- This check determines the volume level of speech and of background noise. Adjust the position of the iLapel microphone until you get the best result.

## Settings

- **Language**  
Choose the language of the inspiro menu.
- **Alarm**  
Sets the alarm time. The alarm will sound every day at the set alarm time, but only if the inspiro is switched ON.
- **Date & Time**  
Sets the current date and time and the date format and time format.

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- **Audio input**

To select the special audio input setting for certain audio devices, such as the iPod nano, go into the "Audio device" sub-menu. Select "Set microphone Mute" if you want to mute the iLapel or iBoom microphone when an audio input signal is detected.

- **Display**

Set the backlight level, backlight turn-off time and display turn-off time.

- **Desktop picture**

Choose your favorite of the three different desktop pictures available.

## **Help**

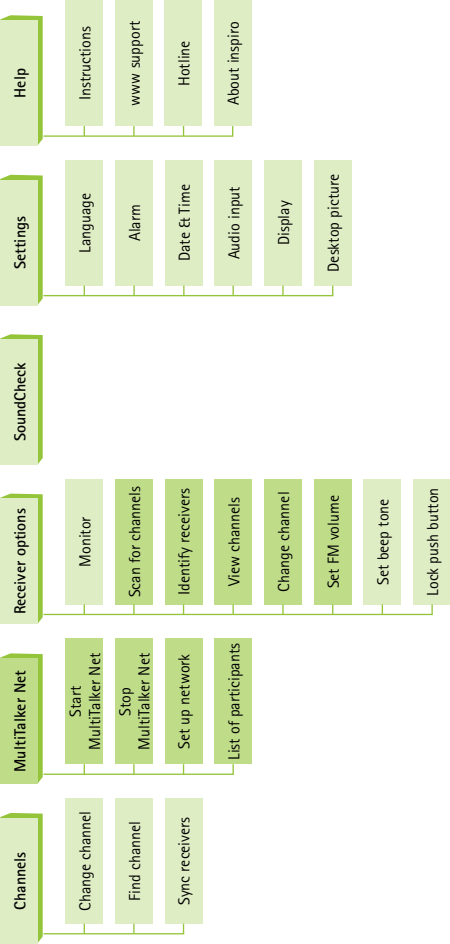
- **Instructions**

Summarizes all the inspiro help texts.

- **www support**

Displays a website that provides further useful FM information for teachers and parents.

Brief description of the menu items



Additional features in  
Extended operating mode

Only in Extended operating mode

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- **Hotline**

Provides the phone number to call in case you have questions or problems.

- **About inspiro**

Shows the device's serial number, the software version, the hardware version, the DSP setting and the menu setting (Standard/Extended).

## **Additional features in Extended operating mode**

### **MultiTalker Net**

- **MultiTalker Net**

If a network has already been set up, you can choose to start the MultiTalker Network mode. If you do not start the MultiTalker Network, you will remain in single teaching mode.

- **Stop MultiTalker Net**

Stop the MultiTalker Network mode if you want to return to single teaching mode.

- **Set up network**

Create a MultiTalker network. The network setting is automatically stored in the inspiro.

### ■ List of participants

In the inspiro managing the network, you can check the names of other teachers or speakers in the MultiTalker network.

## Receiver options

### ■ Scan for channels

Searches for an existing transmission from another transmitter, e.g. if a speaker is already using an FM transmitter at a lecture or presentation.

### ■ Identify receivers

Helps to identify a receiver. Relevant receiver data can be read and displayed in the inspiro LCD, e.g. the user of the receiver or the serial number.

### ■ View channels

Displays the channels programmed into the receiver.

### ■ Change channel

Change the channel in the receiver without changing the current inspiro channel. This can be useful if several working groups need to be created in a class.

### ■ Set FM volume

Increase or decrease the volume of the Dynamic FM receiver.



# DynaMic

## DynaMic and accessories

DynaMic is supplied with the following accessories:

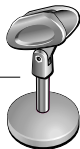
- Desk stand
- Clamp 3/8", 5/8"
- Colored rings (for easy microphone identification)

These accessories can be ordered separately.

① DynaMic microphone \_\_\_\_\_



② Desk stand with clamp \_\_\_\_\_



③ Colored rings (red, yellow, green) \_\_\_\_\_



④ Charging unit \_\_\_\_\_



⑤ Replacement microphone head \_\_\_\_\_





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# Important DynaMic figures

## General:

Operates only with inspiro on the MultiTalker Network

Length: 21 cm (8 inches)

Antenna length: 15 cm (6 inches)

Weight: 110 g

## Operating time and charging:

- Operating time if the battery is fully charged:

- ▷ up to 10 hours

- Charging time for 80% charge

- ▷ approx. 1 hour

- Charging time for 100% charge


- ▷ approx. 2 hours

## Operating range (FM transmission):

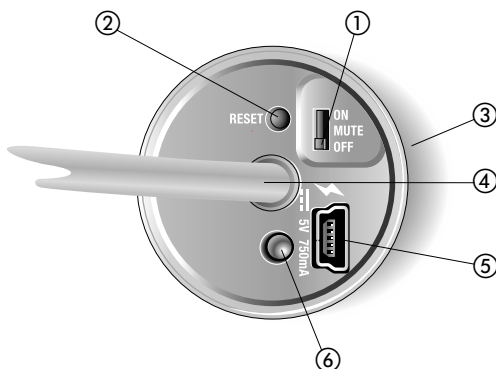
- Operating range (proximity to initiator inspiro):

- inside 25 feet (8 meters)

- outside 50 feet (15 meters)

 **High-powered electronic equipment, large electronic installations and metallic structures may impair and significantly reduce the operating range.**

## Controls



**① Slider OFF/MUTE/ON**

The slider puts DynaMic in one of its three modes.

**② RESET button**

This allows DynaMic to be reset. The parameters stored are not affected by this operation. Use a pen to press the button.

**③ Built-in vibration alarm**

The vibration alarm provides information on the status of the battery and operation.

**④ FM Antenna**

Emits FM to those FM receivers attached to hearing instruments.

**⑤ mini-USB interface**

Interface for charging and programming.

**⑥ The LED indicates the following:**

- battery status,
- charging,
- error states.

# Getting Started

## Charging DynaMic

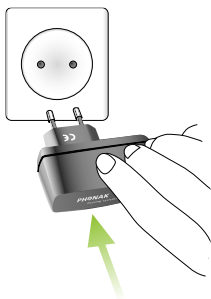
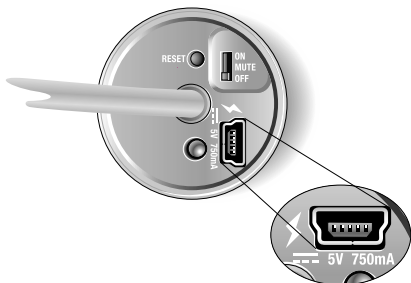
DynaMic contains the same re-chargeable, state-of-the-art, fast-charging lithium polymer battery as inspiro. The operating time of this battery is up to 10 hours, depending on how much the microphone is used to pick up speech.

A fully-discharged battery takes one hour to charge up to 80% of its full capacity and two hours for a 100% charge.

**⚠ Use only the original Phonak charging unit for inspiro/ DynaMic.**

To simultaneously charge your inspiro and DynaMic we recommend using the twin charger.

Select an easily accessible power outlet and plug the charging unit into the socket.




Connect the mini-USB plug from the charging unit to the DynaMic.

- During charging the LED flashes two short green pulses every 5 seconds.



When charging is complete, the LED displays a static green light.

 We recommend fully charging DynaMic. The battery cannot be over-charged.

### Battery status indication

DynaMic activates an automatic vibration alarm when its battery level is low.

- Approx. 1 hour before the battery is empty: DynaMic should be charged.

The LED displays 3 orange flashes, repeated every 60 seconds and the vibration alarm is activated.



- Approx. 15 minutes before battery is empty: DynaMic must be charged immediately.

The LED displays 10 orange flashes and the vibration alarm is activated.

If the battery is not charged immediately, DynaMic's LED displays 10 flashes before switching OFF automatically.




---

## Vibration alarm indication

DynaMic provides a vibration alarm if:

- The battery is low
- The device is out the range of the initiator inspiro in the MultiTalker Network further than 8 m
- The microphone is muted for more than 15 minutes
- There is no FM transmission – for instance, DynaMic is not paired
- A system error occurs – fast blinking orange LED signals and a vibration alarm

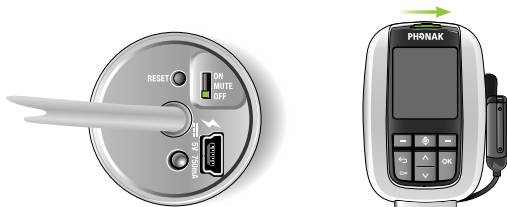
 In case of a system error, simply press the Reset button.

### Switching ON DynaMic

DynaMic is a passaround microphone designed for use with inspiro in the MultiTalker Network. It is not a standalone FM transmitter.

To switch ON DynaMic, follow the steps below:

- inspiro and DynaMic are both OFF



- Switch ON inspiro: push the slider to the left until the green mark appears and the LCD is activated (see page 24).
- Set-up the MultiTalker Network. Initiate your MultiTalker Network by pressing "OK".



- Start DynaMic by pushing the slider from OFF to ON during the auto pairing time window of 8 seconds.



- After the initiation is complete, the name of DynaMic appears. Press OK.  
DynaMic joins the MultiTalker Network as a secondary transmitter. It starts working as an FM transmitter.

After switching ON, the LED of the microphone turns off to save power.

On the initiating inspiro's list of participants the microphone can be recognized.

After pairing DynaMic with inspiro it is recommended to activate the key pad lock of inspiro whenever possible.

**MUTE:** When DynaMic is turned ON it is possible to mute the microphone. Switch the slider from ON to MUTE.

⚠ If DynaMic is not paired in the MultiTalker Network it does not start to emit FM.

---

# Using DynaMic

## Common use situations

- DynaMic situated on a child's desk, using the supplied table stand
- Holding DynaMic in the hand
- Wearing the remote mic with a lavalier – not supplied by Phonak
- Using a floor stand – not supplied by Phonak

## Passaround microphone

DynaMic can be passed from one speaker to the next.

## Talking

### *inspiro*


Follow all the steps described in the chapter „Talking“, inspiro chapter page 28.

### *DynaMic*

Make sure DynaMic:

- Is recognized into the MultiTalker Network by the initiator inspiro. You can check via the inspiro's LCD.
- Is within range of the MultiTalker Network
- Is turned ON
- Is not muted

Speak into the microphone at relatively close range, 5-30 cm (2-12 inches).

-  **When speaking do not cover:**
- the head of the microphone
  - the antenna

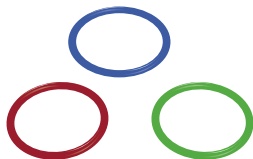




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## Colored rings

With the red, blue and green rings it is possible to personalize your DynaMic for quick identification.



**⚠ You may use only 2 rings on one DynaMic. Do not place these rings over the grill openings of the microphone's cap.**

## DynaMic DataLogging FM

DynaMic automatically logs its usage times. This information is saved every 15 minutes. The first log entry is stored after using DynaMic for 15 minutes. The usage data log contains information such as the device's name, timestamp, MTN mode etc.

DynaMic can store up to 800 data logs, covering approx. 20 days of usage.

## Programming

Programming is optional. The frequency is automatically selected by the initiating inspiro in the MultiTalker Network.

The following parameters can be programmed using FM SuccessWare 4.3 software or higher:

- Name, school and date
- Firmware updates
- Reading and erasing logged data

# The MultiTalker Network in school

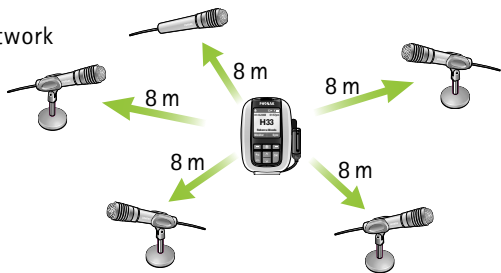
## The MultiTalker Network

One or more inspiro/DynaMic transmitters can participate in a MultiTalker Network (up to ten transmitters in total).

**⚠** A maximum of nine DynaMic microphones can be used on the MultiTalker Network (MTN).

- The MultiTalker Network is available in the inspiro's Extended Operating Mode.
- The MTN's operating range – i.e. the distance between the initiating inspiro and each inspiro/DynaMic joining the network – is 8 m/25 feet.  
If a user should unintentionally leave the network, the inspiro or DynaMic's alarm will alert the user.

Diagram of the MultiTalker Network



- The initiating inspiro displays a list of the other transmitters in the MultiTalker Network.

---

## Initiating a MultiTalker Network

Initiating or setting up a MultiTalker Network should be performed in the classroom before the lesson begins. The procedure to follow is straightforward and the inspiro menu guides you through the necessary steps. See the chapter "Switching ON DynaMic".

- Make sure you have all the inspiro and DynaMic transmitters you plan to include in the network in front of you on the desk. Ensure all these transmitters are switched OFF.
- Take the main teacher's or main speaker's inspiro and switch it on. In this inspiro, select MultiTalker Network and then Set up network. This inspiro is known as the "initiator".
- Read the information on the LCD display and then press the Start soft key.
- Next, switch on all of the other inspiro and DynaMic transmitters.
- A list of the inspiro and DynaMic transmitters that have joined the network should now be displayed on the initiating inspiro. If all of the transmitters are listed, press the Continue soft key.

You have successfully created a MultiTalker Network! All inspiro and DynaMic transmitters are paired by the initiator inspiro.

Begin talking as usual.

### How to use a MultiTalker Network

- The inspiro that has set-up (initiated) the network has first priority; all other transmitters inspiro/DynaMic that joined the network have second priority.  
The teacher with first priority can interrupt any teacher or student that has second priority; a second priority teacher or student can only take over during the speech pauses of the first priority teacher.
- All devices transmit on the same FM channel, **but they do not transmit at the same time.**
- No user action is required; if the first priority inspiro does not detect speech, any second priority teacher or student can "get the microphone" just by starting to talk.
- The listening FM receivers only 'hear' one voice at a time.

### Leaving a MultiTalker Network

The MultiTalker Network cannot exist without the presence of the initiating inspiro in the network. If you decide to end the Multi-Talker Network, the entire network will cease and all of the inspiro and DynaMic transmitters will activate their respective alarms.

If you are using an inspiro that just joined a network, you can always leave the network by selecting Stop MultiTalker Network. Your inspiro will then be set to single teaching mode, but all of the other inspiro transmitters in the MultiTalker Network will remain in MultiTalker Network mode.

---

If you switch OFF one DynaMic, it will be deleted from your participants list. The MultiTalker Network will continue with all other DynaMic and inspiro transmitters.

Should you unintentionally move outside the range of the MultiTalker Network, you will be alerted by an alarm. You can then choose to either return inside the network's operating range (i. e. within 8m/25 feet of the initiating inspiro), or leave the network.

### Practical tips

- The MultiTalker Network setting is stored in the inspiro transmitters. If the inspiro and DynaMic transmitters have been switched OFF in MultiTalker Network mode, e. g. before lunch, when switched back ON again after lunch MultiTalker Network mode can be selected by simply turning on inspiro and pressing Continue. In this case, there is no need to re-initiate the network. All the DynaMic transmitters will join the network after the 8 seconds pairing window.
- If you have set up a MultiTalker Network with, for instance, two inspiro transmitters and a third person then needs to join the network with inspiro or DynaMic, you must initiate a new MultiTalker Network.
- inspiro and Dynamic transmitters joining a network automatically use the FM channel of the initiating inspiro in the MultiTalker Network.

---

## Multiple talkers in one classroom

- If an inspiro reverts to single teaching mode, it automatically utilises the FM channel used previously.
- If the initiating inspiro alters the FM channel in MultiTalker Network mode for any reason, this new channel will automatically be sent to the other inspiro and DynaMic transmitters in the network and then activated.

---

## FM receivers

### The MLxi

An FM system consists of a transmitter and FM receivers. The inspiro is an FM transmitter, while the MLxi is an FM receiver.

- The MLxi is a universal device and can be used with Phonak, as well as with nearly all other BTE brands.
- In order to connect an MLxi to the hearing device, you will need an audio shoe (audio boot).
- The Audio shoe is produced by the manufacturer of the hearing device. The user guide for your hearing device explains how to attach and remove the audio shoe from the hearing device.



Consult your hearing care professional if you have any questions regarding the connecting of the MLxi to the audio shoe and the hearing device.

### Lock MLxi push button

The MLxi push button can be either locked or activated. This action can be performed by either the hearing care professional or the inspiro user.

- In this mode, the MLxi functions automatically.
- This mode is recommended for all children.

The required procedure is as follows:

- Select **Lock push button** in the **Receiver** menu.
- Make sure that the distance between the receivers and the inspiro is approximately 20 cm / 8 inches. Then use either the left soft key to **Lock** the push button or the right soft key to **Activate** the push button.
- Press the MLxi push button to check whether the setting has successfully been altered.

### Identifying receivers

The inspiro is able to identify Dynamic FM receivers, e.g. an MLxi or ML10i. If it locates an MLxi, the inspiro can read the identification data and display it on the LCD display. This also helps in determining to whom the receiver belongs.



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This feature is only available in the inspiro's Extended operating mode.

The required procedure is as follows:

- Make sure that the receiver is connected to a hearing device and that both the hearing device and the receiver are switched on and the FM program is activated in the hearing instrument.
- Ensure that the distance between the inspiro and the MLxi or ML10i is approximately 20 cm / 8 inches. Select **Receiver options** and then **Identify receivers**.
- The identification data should now be shown on the inspiro's LCD display.

This feature is particularly useful in schools.

## **Other Phonak FM receivers**

inspiro/DynaMic are compatible with all Phonak FM receivers. If you have questions concerning a specific receiver, please consult your hearing care professional or visit:  
**[www.eschooldesk.com](http://www.eschooldesk.com)**

We do not recommend using the inspiro/DynaMic with FM receivers produced by other manufacturers.

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## Troubleshooting inspiro

### Problem

---

The inspiro cannot be switched ON.

---

Poor speech intelligibility.

---

Speaker's voice is inaudible even though the inspiro is turned ON.

---

Most probable cause	Solution
The battery is empty.	Charge the inspiro for a period of at least two hours.
The microphone has not been positioned properly.	Move the microphone closer to the speaker's mouth. Activate the SoundCheck feature.
The microphone mute has been activated or the hearing device has not been set to the right program.	Check the inspiro's LCD display and press the microphone mute key in order to activate the microphone. Also check whether the hearing devices are turned on and set to the right program. Activate the Monitoring function on the inspiro to check the receivers.

## Problem

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Insufficient operating range.

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Radio interference.

---

A second person's voice can also be heard.

---

inspiro does not respond to commands

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Most probable cause	Solution
Microphone cable has not been unwound.	Unwind the microphone cable.
External cause: radio antenna or similar interfering devices nearby.	Change the FM channel. Use the ChannelFinder to locate an unused and interference-free FM channel.
Another FM user is using the same FM channel nearby.	Change the FM channel. Use the ChannelFinder to locate an unused and interference-free FM channel.
Software issue	Reboot inspiro by pressing its 4 side buttons at the same time.

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# Troubleshooting DynaMic

## Problem

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The DynaMic cannot be switched ON.

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Poor speech intelligibility.

---

Speaker's voice is inaudible even though DynaMic is turned ON.

---

Most probable cause	Solution
The battery is empty.	Charge DynaMic for at least two hours.
The microphone has not been positioned properly.	Move DynaMic closer to the speaker's mouth.
DynaMic's antenna or cap are partially covered.	Uncover DynaMic's antenna and cap.
The colored rings are covering the acoustic openings.	Move DynaMic's colored rings off these openings.
DynaMic is muted or the hearing device has not been set to the right program.	Check DynaMic is not muted.  Also check whether the hearing devices are turned ON and set to the right program.

### Problem

---

Radio interference.

---

A second person's voice can also be heard.

---

DynaMic is not responding to commands.

---








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Most probable cause	Solution
Radio antenna or similar interfering devices are nearby.	Proceed as for inspiro.
Another FM user is using the same FM channel nearby.	Proceed as for inspiro.
	Make sure DynaMic is turned ON. Then reset it using the RESET button.

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## Important notices

inspiro and DynaMic transmitters collect and store internal technical data. This data may be read by a hearing care professional in order to check the transmitters, as well as to support you in being able to use inspiro and DynaMic in the ideal manner.

-  Do not use your inspiro and DynaMic in a place where it is prohibited to use electronic devices. If in doubt, please ask the person in charge.
-  Persons with pacemakers or other medical devices should ALWAYS consult their physician, the manufacturer of their pacemaker, or other medical device BEFORE using inspiro and DynaMic. The use of inspiro with a pacemaker or other medical devices should ALWAYS be in accordance with the safety recommendations of the physician responsible for your pacemaker or the pacemaker manufacturer.
-  Do not use two or more inspiro transmitters on the same FM channel, except in the case of those transmitters being used on the MultiTalker Network.
-  Please note that radio signals might also be picked up and overheard by other receivers.
-  Before using the inspiro in a foreign country, contact your hearing care professional to ensure that the use of your radio channels is permitted in that country.

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-  Do not use water or other liquids to clean inspiro or DynaMic.
  -  Use only original Phonak accessories.
  -  Use only the original Phonak charger for inspiro and DynaMic.
  -  inspiro and DynaMic should only be repaired by an authorized service center.
  -  Dropping inspiro or DynaMic can damage the transmitters.
  -  Do not place DynaMic's personalization rings over the acoustic openings of the microphone's cap.
  -  Do not cover the antenna or the microphone's cap while speaking.
  -  The microphone cap should **only** be opened for replacement purposes.
  -  Please note that with inspiro you can adjust the volume of the iSense Micro. Your hearing care professional must program your inspiro by selecting iSense Micro as FM receiver. This can be done with FM SuccessWare 4.2.1 or later.

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## Service and warranty

Phonak provides a manufacturer's limited warranty for your inspiro and DynaMic. This covers all manufacturing and material defects. Problems with inspiro and DynaMic arising from improper handling or care and repairs made by an unauthorized party are not covered by the warranty. Please ask at the point of sale for full details of this warranty. The salesperson will note the serial number of your inspiro/ DynaMic below. It will be needed in the event of a warranty repair.

Serial number  
inspiro:

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Date of purchase:

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Serial number FM receivers:

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Serial number DynaMic:

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Date of purchase:

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## Declaration of conformity

Hereby, Phonak Communications AG, declares that the inspiro and DynaMic are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

To obtain a copy of the Declaration of conformity, please contact the local Phonak AG representative whose address can be taken from the list of Phonak distributors worldwide.

This device complies with part 15 and part 95 of the FCC rules and with RSS 210 of Industry Canada.


Operation is subject to the following two conditions:

(1) These devices do not cause harmful interference and (2) must accept any interference received, including interference that may cause undesired operation.

These transmitters are authorized by rule under the Low Power Radio Service (47 C.F.R. Part 95) and must not cause harmful interference to TV reception or United States Navy SPASUR installations.

You do not need an FCC license to operate these transmitters.

The transmitters may only be used to provide: auditory assistance to persons with disabilities, persons who require language translation, or persons in educational settings; health care services to the ill; law enforcement tracking services under agreement with a law enforcement agency; or automated maritime telecommunications system (AMTS) network control communications. Two way voice communications and all other types of uses not mentioned above are expressly prohibited.

 **Warning:** Changes or modifications made to this equipment not expressly approved by Phonak may void the user's authority to operate the equipment.

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## Phonak distributors worldwide

**Group companies:** (detailed information on [www.phonak.com](http://www.phonak.com))

Australia	Phonak Australasia Pty. Ltd. Baulkham Hills N.S.W 2153
Austria	Hansaton Akustische Geräte GmbH 5020 Salzburg
Belgium	Ets Lapperre B.H.A.C. NV B-1702 Groot-Bijgaarden Phonak Belgium NV, B-1700 Dilbeek
Brazil	Phonak do Brasil – Sistemas Audiológicos Ltda. São Paulo – SP 04363-100
Canada	Phonak Canada Limited Mississauga, Ontario L5W 0B3
China	Phonak (Shanghai) Co. Ltd. Shanghai City 200233
Denmark	Phonak Danmark A/S Østre Hougvej 42-44, 5500 Middelfart
France	Phonak France SA, 69500 Bron
Germany	Phonak GmbH, 70736 Fellbach- Oeffingen, EC Representative
India	Phonak India Pvt. Ltd., 100 034 New Delhi
Italy	Phonak Italia S.r.l., 20159 Milano
Japan	Phonak Japan Co., Ltd., Tokyo 101-0044
Jordan	Phonak Middle East, 11181 Amman
Mexico	Phonak Mexicana, S.A. de C.V. 03920 México, D.F.MEXICO

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Netherlands	Phonak B.V., 4131PN Vianen
New Zealand	Phonak New Zealand Ltd., Takapuna, Auckland 9
Norway	Phonak AS, 0105 Oslo
Poland	Phonak Polska SP Z.O.O 00-567 Warszawa
Portugal	Phonak Ibérica S.A., 03008 Alicante, Spain
Russian Federation	Phonak CIS Ltd., Moscow, 115114
Spain	Phonak Ibérica S.A., 03008 Alicante
Sweden	Phonak AB, 117 43 Stockholm
Switzerland	Phonak AG, Phonak Schweiz, 8712 Stäfa
Turkey	Phonak Turkey A.S., 34357 Istanbul
United Kingdom	Phonak UK Limited Warrington, Cheshire WA1 1PP
USA	Phonak LLC, Warrenville, IL 60555-3927

**Independent  
general  
distributors:**

A complete list of Phonak distributors is  
available at Phonak's Internet site:  
**[www.phonak.com](http://www.phonak.com)**  
Please visit us or ask your hearing care  
professional for information.

**Manufacturer:**

Phonak AG, Laubisrütistrasse 28  
CH-8712 Stäfa, Switzerland



The CE symbol is confirmation by Phonak AG that this Phonak product meets the requirements of directive 93/42/EEC on medical devices and the R&TTE Directive 1999/5/EC on Radio and Telecommunication Terminal Equipment. The alert sign means that potential restrictions on its use are applicable in one or more EU Member States.

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This symbol indicates that it is important that the user refers to associated warnings given in this user guide.

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The symbol with the crossed out disposal bin indicates that these products shall not be treated as household waste. Please hand over your old or unused product to the applicable collection point for the recycling of electrical and electronic equipment or bring your old product to your hearing care professional for appropriate disposal. By ensuring these products are disposed of correctly, you will help prevent potential negative effects on the environment and human health.



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Operating  
conditions

These products have been designed for trouble-free operation without restrictions when used as intended, unless otherwise stated in this user guide.

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Transportation  
and storage  
conditions

Temperature should not exceed limits of  $-20^{\circ}/60^{\circ}$  Celsius at a relative air humidity of 65% for extended periods during transportation and storage. Air pressure between 500 and 1100 hPa is not detrimental to these devices.



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# Personal notes

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