

# inspiro

(Classic FM)

## User Guide



PHONAK

life is on

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# 1. Welcome

inspiro is an FM transmitter ideally suited to the needs of teachers and suitable for use in regular schools as well as special schools.

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

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

inspiro is a quality product developed by the Swiss company Phonak, the world leader in FM technology, innovation and reliability. With proper care and usage, your inspiro will support your hearing and communication needs for many years.

**Phonak – life is on**

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

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## Further resources

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


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

This is the Phonak homepage. Go to the Counseling and Products section and then click on FM. You can find useful information there about inspiro and FM receivers.

### **[www.FMeLibrary.com](http://www.FMeLibrary.com)**

This is an online scientific library about FM systems. You can find published papers and reports there about FM systems from all over the world.




The following symbol appears in this user guide:

 Important notes for all users.

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## 2. Important information

Your inspiro transmitter collects and stores internal technical inspiro data. The data may be read by a hearing care professional in order to check the transmitter as well as to support you in being able to use the inspiro in the ideal manner.

-  Do not use your inspiro in a place where it is prohibited to use electronic devices, e. g. on airplanes or in hospitals. 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. 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.

- 
- ⚠ Please note that radio signals might also be picked up and overheard by other receivers.
  - ⚠ Before using the inspiro in another country, contact your hearing care professional to make sure the use of your radio channels is permitted in that country.
  - ⚠ Do not use water or other liquids to clean the inspiro.
  - ⚠ Only use original Phonak accessories.
  - ⚠ Only use the original Phonak inspiro charger.
  - ⚠ Your inspiro may only be repaired by an authorized service center.

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### 3. inspiro and accessories

inspiro is delivered with the iLapel microphone. All the accessories can also be ordered separately.

① inspiro \_\_\_\_\_



② iLapel microphone \_\_\_\_\_



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



④ Audio cable \_\_\_\_\_



⑤ Charging unit \_\_\_\_\_



⑥ Home and travel case \_\_\_\_\_





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## 4. 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.

## 5. Control



### inspiro

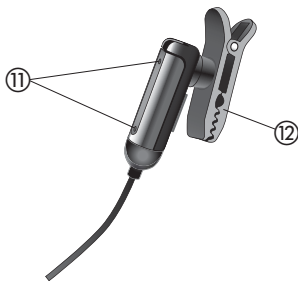
- ① ON/OFF slider
- ② Color LCD
- ③ Soft Keys
- ④ Keypad lock key
- ⑤ Microphone  
mute key
- ⑥ Confirmation key



- ⑦ 3.5 mm audio  
input
- ⑧ mini-USB for  
charging



- ⑨ Button to attach the belt clip and the lavalier cord
- ⑩ Cable wrapper



### iLapel microphone

- ⑪ Microphone openings (do not cover!)
- ⑫ Wearing clip

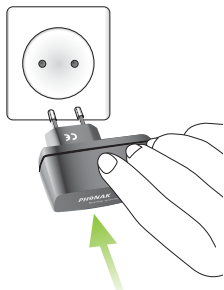
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## 6. Getting Started

### Charging inspiro

The 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.

**⚠** If the battery is fully discharged, it may take up to 20 minutes until inspiro boots up.

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 Use only the original Phonak charging unit for the 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.

---

## 6. Getting Started

### 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.

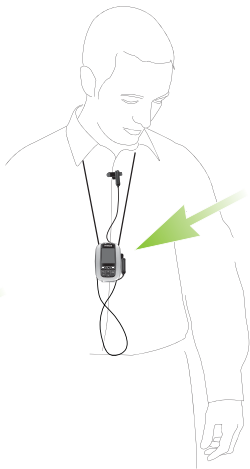
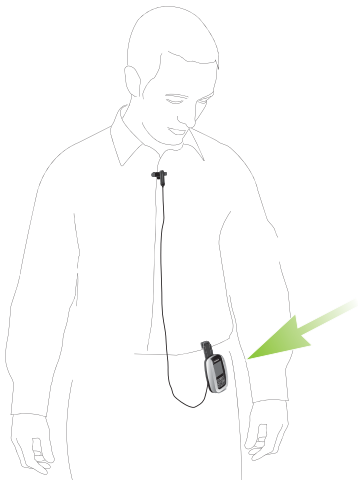
If the battery is completely exhausted, the inspiro will switch itself OFF.

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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)

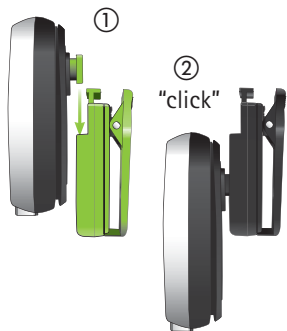


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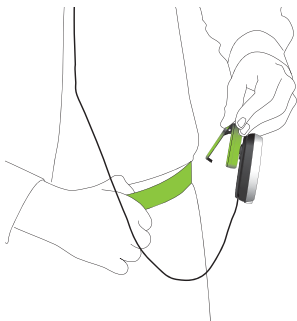
## 6. Getting Started

### Attaching the clip to the inspiro

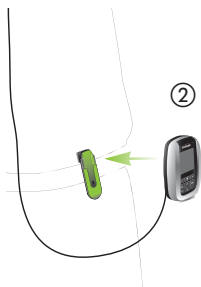
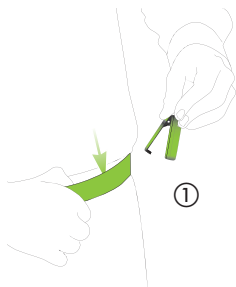
Attach the clip to the button on the backside of the inspiro. Make sure the clip holds securely on the inspiro.



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



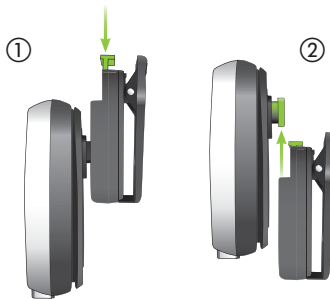




The clip can also be fixed to the belt or trousers before the inspirator is attached.

Make sure the clip is secured to the inspirator.

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

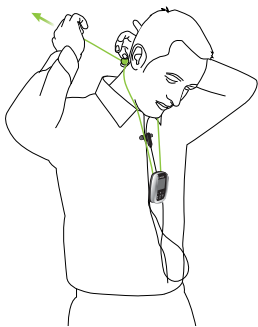


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## 6. Getting Started

### Attaching the lavalier to the inspiro

Attach the lavalier to the button.



Adjust the lavalier length with the cord lock. Make sure the microphone cable is unwound.

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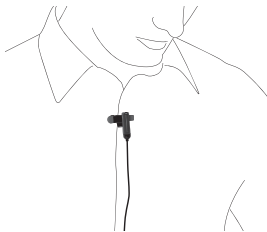
## Wearing iLapel

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

**Step 1.** Unwind the iLapel from the inspiro.



**Step 2.** Fix the iLapel to your shirt and make sure the distance between the microphone and your mouth is approximately 8 inches (20 cm).

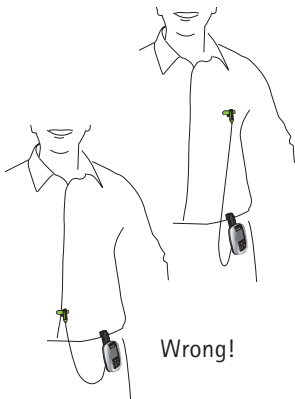
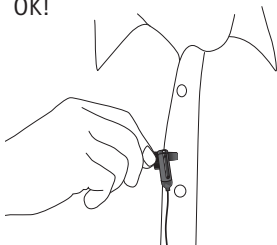


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## 6. Getting Started

### iLapel wearing position

OK!



⚠ Do not cover the two microphone openings!

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## 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!

## 6. Getting Started

### 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 main screen as shown on the right and press the key showing the key symbol ①, then press OK ②. A key symbol appears in the status bar.



**⚠** If the key pad lock is activated, the front 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.

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## 7. Using inspiro

### Talking

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

- the microphone is properly positioned (see page 19)
- the inspiro is turned ON (see page 21)
- and the microphone is active, not muted (see page 24)

We also recommend activating the Keypad lock (see page 22).

**⚠ 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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## 7. Using inspiro

### 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.



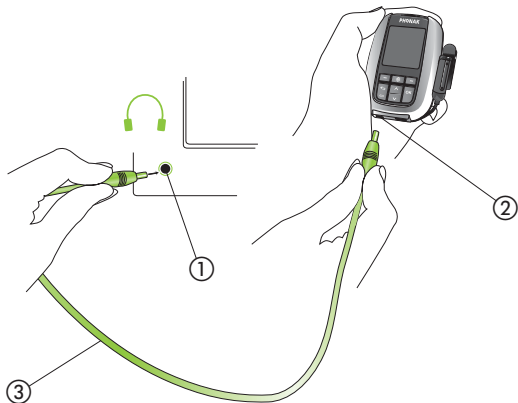
- This symbol shows that the microphone is active: 
- This symbol shows that the microphone has been muted: 




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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)

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## 7. Using inspiro


- If the audio cable is plugged in, the audio symbol appears on the inspiro's LCD display. 
- The microphone is automatically muted when the audio cable is plugged in. The microphone can be activated by pressing the microphone key.
- 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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## Changing channel

In some cases it may be necessary to change the FM channel.

- Change the inspiro transmitter FM channel by pressing the left soft key labelled "channels". Use the up and down keys to scroll through the FM channel list.



To select a new channel use the OK key. FM receivers can be directly synchronized to the new channel by pressing the right soft key. Use the  key to leave the channel menu.

---

## 7. Using inspiro

### 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, if you change the inspiro channel.
- In the top screen, you can have direct access to the synchronization feature by pressing the right soft key labelled "Sync".



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## Resetting inspiro

In case of a system problem, inspiro can be restarted by simultaneously pressing the left softkey, the right softkey, the keypad lock key and the confirmation key.



When these buttons are pressed, inspiro will switch itself OFF and restarts automatically.

If the reset does not immediately restart inspiro, charge inspiro for 2 hours and try the reset again.

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## 8. FM receivers

### The MicroMLxS

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

- The MicroMLxS is a universal device and can be used with Phonak, as well as with nearly all other BTE brands and cochlear implants.



- In order to connect an MicroMLxS to the hearing device, you will need an audio shoe (audio booth) or adaptor.

- 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.



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

## Setup of FM receivers

Users of Phonak hearing instruments should check recommended settings of the FM receivers in the respective hearing instrument user guide.

### Default channel

MyLink and MicroLink receivers are programmed with a default channel which activates at startup. It can be modified at Phonak service centers.

### Channel synchronization

inspiro can change your MyLink or MicroLink receiver channel directly "over the air" within a distance of 20 cm (8 inches). This feature ensures inspiro and the MyLink or MicroLink receivers use the same radio channel.

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## 8. FM receivers

### **Standby mode**

This function helps economize on power. Whenever you switch off the transmitter, about 40 seconds later, your MyLink or MicroLink receivers automatically enter the standby mode. They switch to normal FM operation automatically, when inspiro is switched on again.

### **Switch settings on MicroMLxS**

For correct MicroMLxS switch settings for use with Phonak hearing instruments, please refer to the respective hearing instrument user guide.

For all other hearing instrument brands, the MicroMLxS switch setting depends on the type of the hearing instrument.

Ask your hearing care professionals about the right switch settings for your hearing instruments.





MicroMLxS switch

For DPAI No hearing instruments you can use the switch on MicroMLxS to toggle between FM only and FM+M.



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## 8. FM receivers

For DPAI Yes hearing instruments, like Phonak Exélia Art, Naída and Milo your hearing care professional can personalize the FM program structure. The FM only or FM+M program can be selected automatically (e.g. EasyFM) or manually using the program button on the hearing instrument. The switch on MicroMLxS should be always used in 1 dot position when using FM + DPAI Yes HI.

 off     normal position     not to be used

Please ask your hearing care professional about the correct switch setting on the MicroMLxS and what program to select on your hearing instrument to use FM.

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## Other Phonak FM receivers

The inspiro is 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 with FM receivers produced by other manufacturers.

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## 9. Troubleshooting

### Problem

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The inspiro cannot be switched on.

---

Poor speech intelligibility.

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

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Most probable cause	Solution
The battery is run down.	Charge the inspiro for a period of at least two hours.
inspiro has a system problem.	Reset inspiro according page 29.
The microphone has not been positioned properly.	Move the microphone closer to the speaker's mouth.
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.

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## 9. Troubleshooting

### **Problem**

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Insufficient operating range.

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Radio interference.

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A second person's voice can also be heard.

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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.
Another FM user is using the same FM channel nearby.	Change the FM channel.

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## 10. Service and warranty

Phonak provides a manufacturer's limited warranty for your inspiro. This covers all manufacturing and material defects. Problems with inspiro 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 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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## 11. Declaration of conformity

Hereby, Phonak Communications AG, declares that the inspiro is 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 on the website [www.phonak.com](http://www.phonak.com).

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) This device does not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

** 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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## 11. Declaration of conformity



The CE symbol is confirmation by Phonak AG that this Phonak product meets the requirements of 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 European countries.

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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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Important notes for all users.

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### Operating conditions

This product has been designed for trouble-free conditions operation without restrictions when used asintended, unless otherwise stated in this user guide.

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## Transport 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 this device.

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The symbol with the crossed out disposal bin indicates that this product 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 this product is disposed of correctly, you will help prevent potential negative effects on the environment and human health.

**Manufacturer:**  
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Switzerland

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