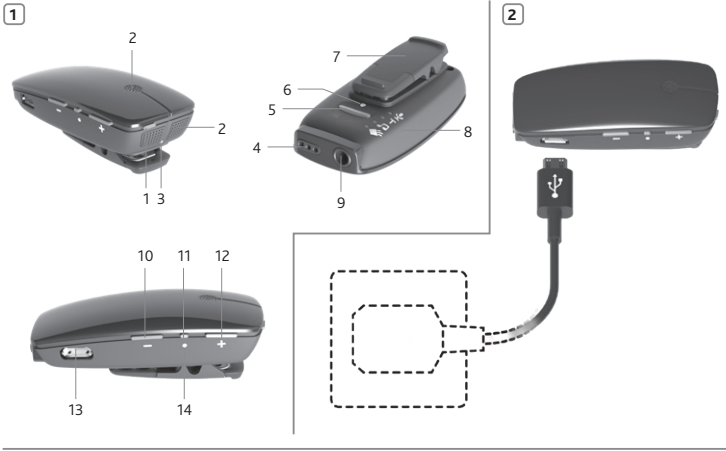


Welcome		Interference risk
		ACMA (Australian Communications and Media Authority) compliant
		Please ask your hearing care professional concerning disposal of this device.
		Temperature limitation
		Manufacturer
		By prescription
		Catalogue number
		Radio compliance certification for Korea
		Radio compliance certification for Japan
		Radio compliance certification for Taiwan

Indications:

This accessory has no therapeutic indications in itself. It will support the therapeutic indications of the Cochlear wireless sound processor used with this accessory.

Key to device *See figure 1*

- 1. ON/OFF button
- 2. Microphones
- 3. Status indicator light (LED)
- 4. FM connector
- 5. Mode selector button
- 6. Pairing button
- 7. Mounting clip
- 8. Mode and battery indicator lights (LED)
- 9. Line-in connector
- 10. Volume down
- 11. Volume up
- 12. Micro USB for charging
- 14. Mute indicator light (LED)

Charge the battery *See figure 2*

- Charge the battery for at least 3 hours before using your microphone for the first time, even if the battery indicators indicate it is fully charged.
- During the charging process, the status LED will glow red. When fully charged and still connected to the charger, the status LED will glow green with intermittent red flashes every 2 seconds.
- Charging a flat battery takes around 3 hours. The charger can be connected overnight; the battery cannot be overcharged.
- For safety reasons, recharge the battery only with chargers supplied by Cochlear.

Introduction

The microphone supports one-to-one communication and can be used as a table microphone to pick up speech from multiple speakers. Additionally, the microphone supports connection with induction loop systems, FM systems (Europin FM receiver required) and Line-in signals.

Please read this manual carefully to fully benefit from the Microphone. Ask your hearing care professional if you have any questions.

For more information and a full list of compatible sound processors visit www.cochlear.com/compatibility

For your safety, carefully read the chapter "Important Information".

Turn on and off *See figure 1*

- 1. To turn on** your microphone press and hold the ON/OFF button until the status LED turns green. After releasing the ON/OFF button, the status LED will flash green. The microphone will always start up in Microphone Mode.
- 2. To turn off** your microphone press and hold the ON/OFF button until the status LED turns red.

Note: **To protect the microphone when not in use, place it in the carrying pouch delivered with the product.**

Volume control

Use the volume "+" and "-" buttons to adjust the volume to a comfortable level.

Pair with sound processor

You can pair up to three Cochlear streaming devices with your Cochlear sound processor. Select a separate channel for each device paired with the sound processor.

Key to symbols

The following symbols will be used throughout these documents.

	Caution
	CE-mark
	Serial Number
	Medical device
	Unique device identifier
	Date of manufacture
	"Consult instructions for use" or "Operating instructions"
	This device includes a RF transmitter that operates in the range of 2.4 GHz – 2.48 GHz

When streaming is activated, an audible melody or a flashing light (depending on the type of sound processor) will be followed by streamed audio via the microphone.

Note: You can also start and stop streaming, adjust volume levels and mute the microphone from a Cochlear Baha® Remote Control 2 (optional accessory) or a Cochlear App offering control functionality. You can also start and stop streaming using a CR230 or CR210 Remote. Ask your hearing care professional for more information.

Attach the microphone *See figure 4*

Clip your microphone on the speaker's jacket, other clothing or hang it around the neck using the included neckstrap. Place the microphone within a range of 10 - 40 cm (4 - 16 inches) from the speaker's mouth. When using the clip, make sure that the microphone is mounted vertically with the status LED pointing towards the mouth. When worn vertically, the microphone automatically switches into directional mode, minimising background noise.

Microphone Mode

The volume levels for TC Mode and Line-in Mode can still be changed as described in the Volume Control section even if the volume is locked for Microphone Mode and FM Mode.

Drop detection

In the event that the microphone falls from at height of more than 75 cm, a built-in sensor will mute the output streamed to the sound processor for up to 2 seconds. This is done to protect you from very loud and unpleasant impact noise should the unit be dropped during use.

Use the microphone as a table microphone

Place the microphone horizontally on a level surface (e.g. a table) in close proximity to the speakers. When you place the microphone horizontally on a table it automatically switches into an optimised omnidirectional mode, picking up the voices of multiple speakers.

Other modes of operation

The microphone also offers extended audio source connectivity options.

Telecoil (TC)

From the built-in Telecoil, receiving audio from a induction loop system (available at some theatres, schools, churches, etc.)

FM

From an external FM receiver attached via the FM connector. To use this mode, insert a Europin DAI or FM receiver into the FM connector.

Line-in

From an external audio source (smartphone, tablet, laptop, TV, etc.) attached via the Line-in connector.

Change mode

To view the current mode of operation press the mode button once. The corresponding mode LED on the backside of the microphone will light up.

To change the mode of operation press the mode button again and repeat until the desired mode is obtained.

Note: **Line-in and FM Modes can only be selected if a cable or FM receivers are inserted into the microphone.**

Mode when inserting a mini-jack plug.

The microphone will automatically switch into FM Mode when inserting an FM or DAI receiver.

FM

From an external FM receiver attached via the FM connector. To use this mode, insert a Europin DAI or FM receiver into the FM connector.

Line-in

From an external audio source (smartphone, tablet, laptop, TV, etc.) attached via the Line-in connector.

Change mode

To view the current mode of operation press the mode button once. The corresponding mode LED on the backside of the microphone will light up.

To change the mode of operation press the mode button again and repeat until the desired mode is obtained.

Note: **Line-in and FM Modes can only be selected if a cable or FM receivers are inserted into the microphone.**

Mode when inserting a mini-jack plug.

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FM

From an external FM receiver attached via the FM connector. To use this mode, insert a Europin DAI or FM receiver into the FM connector.

Line-in

From an external audio source (smartphone, tablet, laptop, TV, etc.) attached via the Line-in connector.

Change mode

To view the current mode of operation press the mode button once. The corresponding mode LED on the backside of the microphone will light up.

To change the mode of operation press the mode button again and repeat until the desired mode is obtained.

Note: **Line-in and FM Modes can only be selected if a cable or FM receivers are inserted into the microphone.**

Mode when inserting a mini-jack plug.

The microphone will automatically switch into FM Mode when inserting an FM or DAI receiver.

FM

From an external FM receiver attached via the FM connector. To use this mode, insert a Europin DAI or FM receiver into the FM connector.

Line-in

From an external audio source (smartphone, tablet, laptop, TV, etc.) attached via the Line-in connector.

Change mode

To view the current mode of operation press the mode button once. The corresponding mode LED on the backside of the microphone will light up.

To change the mode of operation press the mode button again and repeat until the desired mode is obtained.

Note: **Line-in and FM Modes can only be selected if a cable or FM receivers are inserted into the microphone.**

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From an external FM receiver attached via the FM connector. To use this mode, insert a Europin DAI or FM receiver into the FM connector.

Line-in

From an external audio source (smartphone, tablet, laptop, TV, etc.) attached via the Line-in connector.

Change mode

To view the current mode of operation press the mode button once. The corresponding mode LED on the backside of the microphone will light up.

To change the mode of operation press the mode button again and repeat until the desired mode is obtained.

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Mode when inserting a mini-jack plug.

The microphone will automatically switch into FM Mode when inserting an FM or DAI receiver.

FM

From an external FM receiver attached via the FM connector. To use this mode, insert a Europin DAI or FM receiver into the FM connector.

Line-in

From an external audio source (smartphone, tablet, laptop, TV, etc.) attached via the Line-in connector.

Change mode

To view the current mode of operation press the mode button once. The corresponding mode LED on the backside of the microphone will light up.

To change the mode of operation press the mode button again and repeat until the desired mode is obtained.

General precautions

- Keep this device out of reach of children.
- The microphone uses low-powered digitally coded transmissions in order to communicate with other wireless devices. Although unlikely, nearby electronic devices may be affected. In such cases, move the microphone away from the affected electronic device.
- When using the microphone and it is affected by electromagnetic interference, move away from the source of the interference.
- Avoid exposing your product to rain, moisture or other liquids to protect against damage to the product or personal injury.
- Keep the product and any cords and cables away from operating machinery.
- If the product overheats, has been dropped or damaged, has a damaged cord or plug, or has been dropped in a liquid, discontinue use and contact your hearing care professional.
- Dispose of the product according to local standards and regulations.
- Do not use in areas where there is a risk of explosion.

Ignition of flammable substances

Do not use the product in areas where it could ignite flammable gases.

General precautions

- Do not use this device in locations where the use of electronic devices are prohibited.
- X-ray radiation (e.g., CT/MRI scans) may adversely affect the functioning of this device. Switch it off before undergoing the procedure and keep it outside the room.
- High-powered electronic equipment, large electronic installations and metallic structures may impair and significantly reduce the operating range.
- If the sound processor does not respond to the device because of an unusual type of interference, move away from the source of this interference.
- Your sound processors and this device were given unique communication codes during fitting. This ensures that the device will not affect sound processors worn by others.
- Do not alter or modify this device.
- Opening the microphone might damage it. If problems occur that cannot be resolved, consult your hearing care professional.
- The microphone may only be repaired by an authorised service centre.
- Do not use the microphone in areas where RF transmission is prohibited, e.g., in planes, etc.
- Only connect the microphone to connections for which it is explicitly intended.

Serial incidents

Serious incidents are rare, any serious incident in relation to your device should be reported to your Cochlear representative and to the medical device authority in your country, if available.

Built-in battery care

Please observe the following:

- Your product is powered by a rechargeable battery. A new battery performs optimally after two or three complete charge and discharge cycles.
- The battery can be charged and discharged hundreds of times, but will eventually wear out.
- Unplug the charger from the main socket and the product when not in use.
- If left unused, a fully charged battery will lose its charge over time.
- Leaving the product in hot places will reduce the battery's capacity and service life.
- A product with a cold battery may not work temporarily, even if fully charged. Battery performance is particularly limited in temperatures well below freezing.

Battery warning

Caution: The battery used in this product may present a risk of fire or chemical burn if misused.

The battery in your product cannot be removed or replaced by the user. Do not attempt to open the product. Any attempt to do so may result in damage. Using other batteries may present a risk of fire or explosion and void the warranty.

Only recharge the microphone with the charger that was supplied with the product.

Dispose of batteries according to local regulations. Please recycle when possible.

Do not dispose of the battery as household waste or in a fire as it may explode.

Batteries may also explode if damaged.

Charger care

Please observe the following if the product is supplied with a charger:

- Do not attempt to charge your product with anything other than the AC adapter provided. The use of other chargers may damage or destroy the product and could be dangerous. Use of other chargers may invalidate any approval or void the warranty.
- For availability of approved accessories, please check with your hearing care professional.
- Charge the product according to the instructions provided.

Charger warning

- When you disconnect the power cord, grasp and pull the plug, not the cord.
- Never use a power supply that is damaged.
- Do not attempt to disassemble the power supply as it may expose you to dangerous electric shock.
- Avoid charging your product in extremely high or low temperatures and do not use the charger outdoors or in damp areas.
- Do not charge the microphone while it is being worn.

Temperature and storage information

The product is subject to various tests in temperature and damp heating cycling between -25 °C and +70 °C according to internal and industry standards.

Wireless Accessory type designations for models included in this User Manual are:

Model: SM 2P
FCC ID: QZ3SM-2P
IC: 8039C-SM2P
MSIP-CMI-CK-TC-SM2P
203-JN0531
CCAH16LP0990TS
CMIT ID: 2016D3026
ANATEL: 04105-21-1217

Statement

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.

Note: The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications can void the user's authority to operate the equipment.

List of countries:

The products are in compliance with the following regulatory requirements:

- In EU: the device conforms to the General Safety and Performance Requirements set out in Annex I of Medical Device Regulation 2017/745 (MDR) and essential requirements and other relevant provisions of Directive 2014/53/EU (RED). The declaration of conformity may be consulted at www.cochlear.com
- Products with wireless functionality are intended for sale in countries within the European Economic Area as well as Switzerland. Specification of restrictions: You are not allowed to operate the equipment within 20 km of the center of Ny Ålesund, Norway.
- In US: FCC CFR 47 Part 15, subpart C, section 15.249.
- Other identified applicable international regulatory requirements in countries outside the EU and US. Please refer to local country requirements for these areas.
- Products are in compliance with EN 300 328.
- In Canada the Mini Microphone is certified under the following certification number: IC: 8039C-SM2P. This device complies with Industry Canada license-exempt RSS standard(s):
- This Class B digital apparatus complies with Canadian ICES-003.

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.

Equipment includes RF transmitter.

Willkommen

Herzlichen Glückwunsch zu Ihrem Cochlear™ Wireless Mini Microphone 2+ (Minimikrofon 2+), einem qualitativ hochwertigen, tragbaren Gerät zur Sprach- und Audioübertragung.

Verwendungs Zweck

Das Cochlear Wireless Mini Microphone 2+ (Minimikrofon) dient als drahtloses externes Mikrofon für einen kompatiblen Cochlear Soundprozessor oder zur Herstellung einer Verbindung zwischen einem Audiogerät und dem Soundprozessor.

Indikationen:

Dieses Zubehör hat selbst keine therapeutischen Indikationen. Es unterstützt die therapeutischen Indikationen des drahtlosen Cochlear Soundprozessors, der zusammen mit diesem Zubehör verwendet wird.

Klinischer Nutzen:

Das Cochlear Wireless Mini Microphone 2+ (Minimikrofon) dient zur weiteren Verbesserung der Verständlichkeit von Sprache und anderen Geräuschen.

Das Gerät im Überblick *Siehe Abbildung 1*

1. EIN/AUS-Taste
2. Mikrofone
3. Statusanzeige-LED
4. FM-Buchse
5. Modus-Wahltaiste
6. Synchronisierungstaste
7. Befestigungspunkt
8. Modus- und Batterie-Anzeige-LED
9. 3,5-mm-Klinkenbuchse
10. Lautstärke verringern
11. Stummgeschaltete
12. Lautstärke erhöhen
13. Micro-USB-Ladebuchse
14. Stummhaltungsanzeige-LED

Technische specifications

Operating range	Up to 25 metres (clear line of sight)
Power supply	External wall adapter
Wireless	2.4 GHz
Operating temperature	0 to 45 °C
Storage temperature	-20 to 45 °C

Einführung

Das Mikrophon unterstützt 1-zu-1-Unterhaltungen und kann als Tischmikrofon zur Erfassung der Stimmen mehrerer Sprecher verwendet werden. Zusätzlich unterstützt das Mikrophon die Verbindung mit Induktionsschleifensystemen, FM-Systemen (Europin FM-Empfänger erforderlich) und Line-in-Signalen.

Bitte lesen Sie dieses Handbuch sorgfältig durch, um den vollen Nutzen aus dem Mikrophon zu ziehen. Wenden Sie sich an Ihren Audiologen, HNO-Arzt oder Akustiker, falls Sie Fragen haben.

Weitere Informationen und eine vollständige Liste der kompatiblen Soundprozessoren finden Sie unter www.cochlear.com/compatibility

Lesen Sie im Interesse Ihrer Sicherheit sorgfältig das Kapitel „Wichtige Informationen“.

Garantie

Die Garantie deckt keine Defekte oder Schäden ab, die durch den Einsatz dieses Geräts mit Soundprozessoren oder Implantaten entstehen, die nicht von Cochlear stammen. Weitere Einzelheiten entnehmen Sie der Garantiekarte (Cochlear globale eingeschränkte Garantie).

Wenden Sie sich an unseren Kundenservice

Wir wollen unseren Kunden stets die besten Produkte und Dienstleistungen anbieten. Wir sind sehr an Ihrer Meinung und Ihren Erfahrungen mit unseren Produkten und Dienstleistungen interessiert. Wenn Sie uns etwas mitteilen möchten, wenden Sie sich bitte an unseren Kundenservice.

Symbolerklärung

Die folgenden Symbole werden in diesen Dokumenten verwendet:

	Achtung
	CE-Zeichen
	Seriennummer
	Medizinprodukt
	Eindeutige Kennzeichnung des Geräts
	Herstellungsdatum
	Siehe Bedienungsanleitung
	Dieses Gerät enthält einen Hochfrequenz-Sender für den Betrieb im Bereich zwischen 2,4 GHz und 2,48 GHz
	Gefahr von Störungen
	ACMA-Konformität (Australian Communications and Media Authority)
	Wenden Sie sich für eine sachgemäße Entsorgung des Geräts an Ihren Audiologen, Akustiker oder an den Cochlear Service.
	Temperaturbegrenzung
	Hersteller
	Verschreibungspflicht
	Katalognummer
	Zertifizierung über die funktechnische Konformität für Korea
	Zertifizierung über die funktechnische Konformität für Japan
	Zertifizierung über die funktechnische Konformität für Taiwan

Bei der Aktivierung der Übertragung ertönt [je nach Modell] das Blinksignal) entweder eine Melodie oder dessen LED blinkt, bevor Audiosignale vom Minimikrofon übertragen werden.

Hinweis: Das Starten und Beenden der Audioübertragung, Einstellen der Lautstärke und Stummhalten des Mikrofons kann auch mit einer Cochlear Baha® Remote Control 2 (Fernbedienung) (optionales Zubehör) oder einer App von Cochlear, die Bedienfunktionen bietet, durchgeführt werden. Zum Starten und Beenden der Audioübertragung kann auch ein CR230 oder CR210 Fernbedienung verwendet werden. Weitere Informationen erhalten Sie von Ihren Audiologen, HNO-Arzt oder Akustiker.

Audioübertragung stoppen

1. Drücken Sie die Taste für Wireless-Audioübertragung/ Programmwechsel an Ihrem Soundprozessor kurz. Dadurch kehrt der Soundprozessor zum letzten benutzten Programm zurück.

Hinweis: Wenn Sie die Reichweite Ihres Minimikrofons verlassen, aber innerhalb von fünf Minuten zurückkehren, stellt Ihr Soundprozessor die Verbindung automatisch wieder her und setzt die Audioübertragung fort.

Mikrofonmodus

1. Befestigen Sie Ihr Minimikrofon an der Jacke des Sprechers oder einem anderen Kleidungsstück oder hängen Sie es ihm mit dem mitgelieferten Trageband um das Hals.

Positionieren Sie das Mikrophon in einem Abstand von 10 bis 40 cm vom Mund des Sprechers. Achten Sie beim Befestigen mit dem Clip darauf, dass das Mikrophon senkrecht angesteckt wird, mit der Statusanzeige-LED zum Mund des Sprechers. Wird das Mikrophon senkrecht getragen, wechselt es automatisch in den direktionalen Modus und blendet die Hintergrundgeräusche aus.

Einsatz als Tischmikrofon

Legen Sie das Mikrophon in der Nähe der Sprecher waagrecht auf eine ebene Fläche (wie z. B. ein Tisch). In der waagrecht Lage blendet das Mikrophon automatisch in einen optimierten omnidirektional Modus und nimmt die Stimmen mehrerer Sprecher auf.

Andere Betriebsarten

Das Mikrophon hat zudem erweiterte Verbindungsoptionen für Audiogeräte.

Telefonspule (T)

Die integrierte Telefonspule empfängt den Ton induktiver Höranlagen (in Theatern, Schulen, Kirchen etc.).

FM-Eingang

Der FM-Eingang überträgt das Signal eines externen FM-Empfängers über die FM-Buchse.

Für diesen Modus wird ein Miniaturempfänger mit dreipoligem Eurostecker an die FM-Buchse angeschlossen.

Audioeingang (Line-in)

Der Audioeingang überträgt das Signal externer Audioquellen (Smartphone, Tablet, Laptop, Fernseher etc.), die über die 3,5-mm-Klinkenbuchse angeschlossen werden können.

Für diesen Modus muss das eine Ende des mitgelieferten Audiokabels in die 3,5-mm-Klinkenbuchse und das andere Ende des Kabels in den Audioausgang des externen Audiogeräts gesteckt werden.

Ein- und Ausschalten *Siehe Abbildung 1*

1. Zum **Einschalten** Ihres Minimikrofons halten Sie die EIN/AUS-Taste gedrückt, bis die Statusanzeige-LED grün leuchtet. Nach Loslassen der EIN/AUS-Taste blinkt die Statusanzeige-LED grün. Das Mikrophon schaltet sich immer im Mikrofonmodus ein.

2. Zum **Ausschalten** Ihres Minimikrofons halten Sie die EIN/AUS-Taste gedrückt, bis die Statusanzeige-LED rot leuchtet.

Hinweis: Um das Minimikrophon zu schützen, legen Sie es in die mitgelieferte Tasche, wenn Sie es nicht benutzen.

Modus wechseln

Drücken Sie die Modustaste einmal, und die aktuelle Betriebsart wird angezeigt. Die entsprechende Modus-LED auf der Rückseite des Mikrofons leuchtet auf.

Zum Wechsel der Betriebsart drücken Sie die Modustaste erneut, und zwar so oft, bis der gewünschte Modus eingestellt ist.

Hinweis: Line-in- und FM-Modus sind nur wählbar, wenn ein Kabel oder FM-Empfänger im Minimikrofon eingesteckt sind.

Beim Einstecken eines Klinkensteckers wechselt das Minimikrofon automatisch in den Line-in-Modus.

Beim Einstecken eines Miniaturempfängers an die FM-Buchse wechselt das Mikrophon automatisch in den FM-Modus.

Akku-Ladezustand

Zur Anzeige des aktuellen Akku-Ladezustandes halten Sie die Modustaste mindestens drei Sekunden lang gedrückt, bis eine oder mehrere LED der Modusanzeige zu blinken beginnt/ beginnen.

75–100 % – Alle LED der Modusanzeige blinken
50–75 % – Drei LED der Modusanzeige blinken (FM + Line-in + T)
25–50 % – Zwei LED der Modusanzeige blinken (FM + Line-in)
<25 % – Eine LED der Modusanzeige blinkt (FM)

Hinweis: Wenn weniger als 30 Minuten Betriebszeit übrig sind, blinkt die Statusanzeige-LED gelb.

Lautstärkeeinstellung

Stellen Sie die für Sie angenehme Lautstärke mithilfe der „+“- und „-“-Tasten ein.

Änderungen der Lautstärke werden durch ein kurzes gelbes Blinken der Stummhaltungs-LED angezeigt. Ein längeres gelbes Blinken zeigt, dass die maximale beziehungsweise minimale Lautstärke eingestellt wurde.

Hinweis: Bei erneutem Einschalten kehrt das Mikrophon wieder zur Standard-Lautstärke zurück.

In manchen Fällen lässt sich die Lautstärke an der Signalleiste selbst einstellen, indem Sie zum Beispiel den Fernseher lauter oder leiser stellen.

Oft

