Unitron
uMic™
guide

Thank you

Thank you for choosing the Unitron uMic™.

At Unitron, we care deeply about people with hearing loss. We work closely with hearing healthcare professionals to make advanced, purpose-driven solutions available to everyone. Because hearing matters.

Your uMic

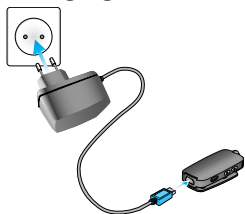Hearing healthcare professional: _____

_____

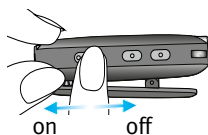Telephone: _____

Serial number of uMic:_____
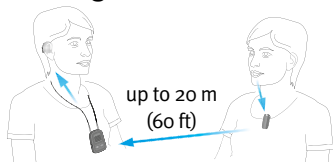
Warranty: _____

Date of purchase:_____

Quick reference

Charging uMic

On/Off

on   off

Bluetooth pairing

Wearing uMic

up to 20 m
(60 ft)
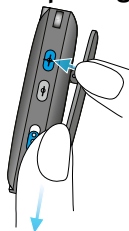
Indicator

Switching ON		Green 2 seconds
Switching OFF		Red 2 seconds
Charging		Solid red
Low battery warning		Additional red short blink as well as the main light
Streaming		Solid blue
Streaming paused		Short blink blue
Pairing mode		Rapid blink blue

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Your uMic at a glance

1 Volume up (➕)
2 Volume down (➖)
3 Power switch (I/0)

4 Charging input (mini-USB)
5 Microphone opening
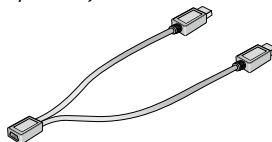6 Status indicator light
7 Eyelet for lanyard

8 Retaining clip
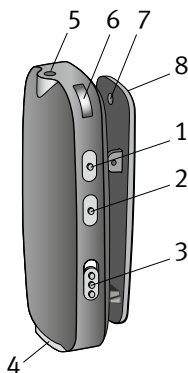
Accessories

(Contents may vary depending on country)
Dual mini-USB splitter (1 in / 2 out)
Lanyard
Protective pouch

Other optional accessories
Unitron mini-USB power supply
12V car charger adapter

📖 In addition to your Unitron wireless hearing aids, a compatible streamer solution is required. Within this user guide the uDirect™ 2 is shown as an example. As the uMic transmitter is based on Bluetooth® technology, other Bluetooth receivers may be compatible. However, the uMic is optimized and tested only for Unitron uDirect 2.

Getting started

The system consists of three main elements:

- uMic
- Unitron hearing aids
- Unitron uDirect 2

The uMic transmits the speaker's voice wirelessly to your hearing aids via the uDirect 2 streamer.

The hearing aid microphone level will automatically be adjusted while the uMic signal is received. The level of adjustment is set by your hearing healthcare professional.
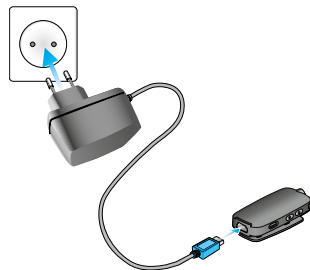
hearing aid   speaker

up to 20 meters
(60 ft)
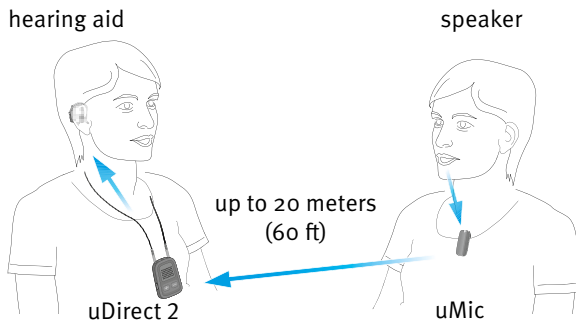
uDirect 2   uMic

Charging the uMic

Your uMic has a built-in, non-removable rechargeable battery. When the battery is low, the indicator light will blink red.

To charge:

1. Insert the Unitron power supply provided with the uDirect 2 into the uMic mini-USB socket.

2. Plug the power supply into a power outlet.

Typical charging time is 2 hours. Charging is complete when the indicator light turns solid green.
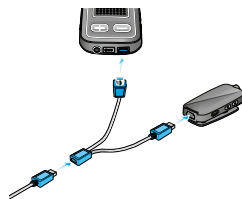
📖 When charging your uMic for the first time, let it charge for at least three hours, even if the battery indicator is not lit or turns green earlier.

Using one power supply for 2 devices:

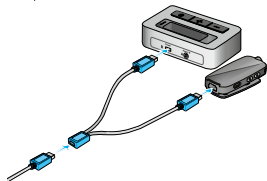Insert the dual mini-USB splitter between the power supply and the devices as shown below.

With uDirect 2:

Both devices can be charged at the same time.

With uTV 2:

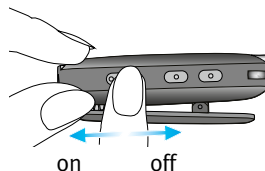The uMic can be charged while uTV™ 2 is being used.

ⓘ It is safe to leave the uMic connected to the charger overnight.

Turning the uMic on and off

Slide the power switch (I/O) as shown to turn the uMic on or off.

Slide the power switch in direction of the charging input to turn the uMic on.

on   off

Sleep mode

If after 30 minutes no streamer device, such as uDirect 2, is found the uMic will power down to save battery even if the power switch is in the on position.

To recover from sleep mode, switch the uMic off and turn it on again.

Pairing the uMic with uDirect 2

Before using the uMic with a streamer for the first time, the devices must be paired with each other.

📖ℹ️ If you are not using uDirect 2 but another streamer, please follow the Bluetooth pairing procedure of that device.

Put uDirect 2 into pairing mode:

1. Switch on the uDirect 2 (I/O).

2. Press and hold the connect (⟨⟩) and volume (➕) buttons simultaneously for 2 seconds until the audio indicator starts to rapidly blink blue. The uDirect 2 will remain in pairing mode for two minutes or until the pairing is complete.

2 sec
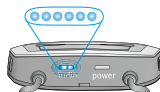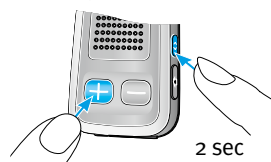
Put uMic into pairing mode:

📖ℹ️ If the uMic has never been paired before, pairing mode will be automatically activated after turning it on.

To manually start pairing mode:

1. Switch the uMic off.

2. Press and hold the volume up button (➕).

3. Turn the uMic on while still pushing the (➕) button.

4. Release the (➕) button after 2 seconds when the indicator light rapidly blinks blue.

5. Make sure the uDirect 2 and uMic are within 1 m (3 ft) range of each other.
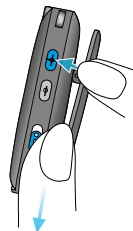
The uMic will remain in pairing mode for two minutes or until the pairing is completed.

Completion of pairing:

Wait until both indicator lights turn solid blue.
This can take up to 2 minutes but typically is done within a few seconds.

ℹ️ The uMic can be paired to a maximum of 4 devices. A fifth pairing will replace the first paired device.

ℹ️ Two devices need to be paired only once.
They remain paired after switching off and will automatically connect after being turned on again.

Understanding the status light

Information during operation:

	uMic	uDirect 2
Switching ON	Green 2 seconds	
Streaming	Solid blue	Solid blue
Streaming paused	Short blue blink	Short blue blink
Pairing mode	Rapid blue blink	Rapid blue blink

Information about power and battery:

Switching ON	Green 2 seconds
Switching OFF	Red 2 seconds
Charging	Solid red
Charged and full battery	Solid green
Low battery warning	Additional red short blink as well as the main light
uMic sleep mode or off	Indicator is unlit

ℹ️ Switch the uMic off and on again to turn the device on from sleep mode.

If the red "low battery" blinks:

Battery level is <20%

Less than 1.5 hours are left for streaming

Consider charging the uMic

ℹ️ The uMic can also be charged during operation.

Preparing the uDirect 2

1. Turn the uDirect 2 on.

2. Always wear the uDirect 2 around the neck.

3. Make sure both plugs are well connected in the neckloop sockets.
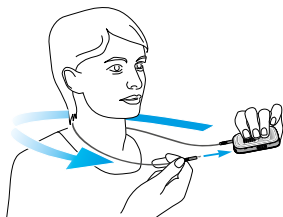
📖 For a more detailed explanation of the uDirect 2, please refer to the uDirect 2 user guide.

Connecting the uMic and uDirect 2

Every time the devices are turned on, they will connect with each other automatically.

1. Make sure the uDirect 2 and uMic are within 2 meters (6ft) range of each other.

2. Turn the uMic on.

3. The indicator light will turn green first.

green

4. Wait until the indicator lights of both devices turn solid blue. This may take up to 30 seconds but usually occurs within 5 seconds.
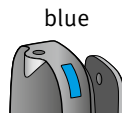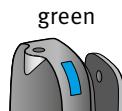
blue

The uDirect 2 will confirm the connection via spoken notifications or beeps in your hearing aids, depending on the uDirect 2 configuration.

📖 If the status light is rapidly blinking blue after turning on the uMic or if the status light does not turn solid blue within two minutes, repeat the pairing.

Functional test of uMic

Before using the system, perform
a quick functional test by gently
tapping on the microphone
opening.
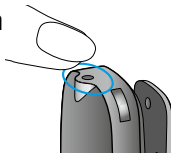
You should clearly hear the tapping noise in
your hearing aids.

📖ℹ️ Line of sight between the uMic and the streamer
is usually not required. If the audio transmission
ends abruptly, refer to the troubleshooting
guide.

Setting the uMic volume

To change the uMic volume:

1. Speak into the uMic from a 20 cm (8")
distance.

2. Use the volume (➕/➖) buttons
to set the uMic volume to a
comfortable volume level.
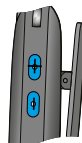
If your hearing aids pick up too much ambient
noise, use the following 2 steps to give the uMic
more focus:

1. Reduce the hearing aid volume by
pressing the uDirect 2 (➖) button.

2. Then increase the uMic volume by
pressing the uMic (➕) button.
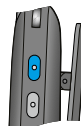
📖ℹ️ The uMic volume setting will be
stored even when switching off the uMic.

📖ℹ️ Your hearing healthcare professional can
change the level of the hearing aid microphones
while using the uMic to adjust the volume of
sounds around you.

Wearing the uMic correctly

1. Gently press to open the clip.
2. Ensure the uMic is clipped securely to clothing as shown in the picture .
3. To prevent scratching sounds, do not cover the uMic with clothing during use.
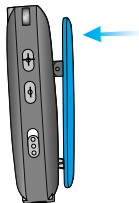
Distance to the speaker's mouth:

Best results are achieved at 20 cm (8")

Do not exceed 50 cm (20") for consistent audio
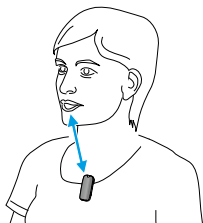
[i] The higher the ambient noise, the closer the uMic should be positioned to the speaker's mouth.

[i] Do not use a neckloop lanyard during streaming. Scratching noise may negatively impact the sound.

uMic pause and resume

To pause the audio transmission from your uMic, press the uDirect 2 access (Ⓐ) button.

During pause:

The streaming indicators will blink blue on both devices.

Your hearing aids will switch back to the most recent hearing aid program.

The hearing aid programs cannot be changed via the uDirect 2 access button while streaming or during pause.

To resume the uMic streaming press the uDirect 2 access (Ⓐ) button again.

Switching the uMic off

To end the uMic transmission
completely, switch off the uMic by
sliding the power switch to the off
position.
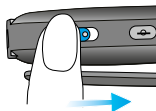
📖 In the off position, the white marking cannot be
seen.

Switch the uMic off when not in use.

📖 If the uMic connection to a streamer was lost
for more than 30 minutes, the uMic will go into
sleep mode to save power. The light indicator
will turn off and a uMic re-start (turn off and on
again) is required to resume the transmission.

Special use cases

uMic and phone calls

Phone calls via Bluetooth will always take
priority over the uMic streaming.

If uDirect 2 is paired with your mobile phone,
you can still receive phone calls, even when
using uMic. In case of an incoming call, uDirect 2
automatically stops transmitting the audio
signal from your uMic and and sends the signal
from your mobile phone to your hearing aids
instead.

"click"
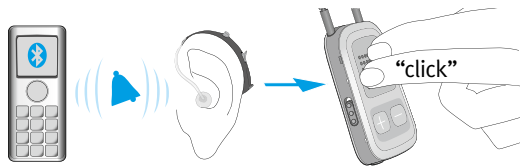
To accept an incoming call, briefly press the
uDirect 2 access (Ⓐ) button once you hear the
ringtone through your hearing aids. Press the
access button again and the phone call will end.

uMic and watching TV

To ensure a high quality audio in stereo sound from the TV, we recommend using the dedicated uTV 2.

In cases where an analog TV-audio output is not available or while travelling, the uMic may be used to improve the sound quality while watching TV.

For best results:

1. Try to locate the TV loudspeaker.
2. Place the uMic 20 cm (8") from the speaker.
3. Consider leaving the charger plugged in while watching TV.

uTV 2
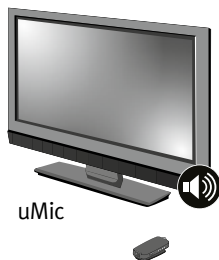
uMic

uMic streaming distance

The uMic transmitter supports operation up to a range of 20 m (60 ft). Line-of-sight between your uDirect 2 and the uMic is not required. Interference in the environment by walls, the furniture or the human body may reduce the operating range.

If the uMic is moved out of range of the uDirect 2, the wireless audio transmission will be interrupted or even terminated. If the uMic is then moved back into range of the uDirect 2, it will automatically resume streaming to your hearing aids.

It may take up to 10 seconds until the streaming resumes.

If the streaming was interrupted for more than 30 minutes, it may be necessary to switch the uMic off and on again.

Support of multiple uMics

It is not possible to stream audio from two uMics to one uDirect 2 at the same time.

However, two uMics can be paired to uDirect 2 and then accessed sequentially by pressing the uDirect 2 access button. With each press, the uDirect 2 selects the next uMic in a fixed sequence.

[i] If a cellular phone is connected to uDirect 2 already, only one uMic can be supported.

Use of the lanyard

For transportation you may use the detachable lanyard as illustrated.

Deleting all Bluetooth pairings

If you encounter issues with one of the paired devices, or if a device stops connecting to your uMic, you may consider deleting all pairings from the uMic.

1. Turn the uMic on while pushing the (+) button and hold the button for 10 seconds. This deletes all pairings.

2. Release the (+) button when the blue indicator light turns green.
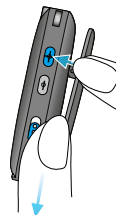
Deleting the pairing of Bluetooth devices removes the ability to connect to any previously paired Bluetooth device. You need to perform the pairing process again (see page 8) if you wish to reconnect.

[i] The status light will rapidly blink blue for a few seconds after pairings were deleted (automatic pairing mode).

Troubleshooting guide

Most probable cause	Remedy
I cannot hear sound from the uMic	
One or all devices are switched off	Make sure all devices (uMic, streamer, hearing aids) are turned on and fully operational
uMic is in pause mode (blue blinking status light)	Short press the uDirect 2 access button to resume streaming
The distance between uDirect 2 and the uMic is too great	Bring devices closer to each other; 20 meters (60 ft) is the maximum distance. To avoid streaming interruptions, make sure you wear uDirect 2 correctly and keep the uMic within the operating range
An obstacle is preventing transmission	Depending on the material, line of sight may be necessary

Most probable cause	Remedy
I hear intermittency during audio transmission	
The uMic is too far away from uDirect 2 or shielded by an obstacle	Do not exceed the maximum distance and relocate device
uDirect 2 searches for other paired devices for 2 minutes after turning on. This may cause the audio signal to drop	After 2 minutes, uDirect 2 will stop searching for other devices and the intermittency will stop
The volume during streaming is not suitable (too low or too high)	
The volume levels are not set correctly	Adjust the volume using the uDirect 2 volume (⊕/⊖) buttons. The volume can also be adjusted on the uMic (⊕/⊖) buttons

Most probable cause	Remedy
There is too much noise, I cannot understand the speaker	
Your hearing aid microphones are set too loud	Reduce the hearing aid volume by pressing the uDirect 2 (−) key until you reach a comfortable level. Place the uMic closer to the speakers mouth (20 cm, 8"). Use the uMic (+) button to increase the uMic volume
The uMic rubs against the wearer's clothing	Make sure the uMic is clipped firmly. Clothing should not cover the uMic
The settings of your hearing aids are not right	Please ask your hearing healthcare professional to fine tune your hearing aids

Most probable cause	Remedy
uMic is no longer recognized by the uDirect 2 with which it was previously paired	
2 minutes after no device was found, uDirect 2 stops seeking devices to save power	Switch uDirect 2 off. Wait until the red power indicator turns off, then turn device on again
The devices are too far away from each other	Bring devices within 1 meter range and try again
uMic can be paired to a maximum of 4 different Bluetooth devices (uDirect 2 can be paired to 8). If the internal memory is full, the fifth pairing will delete the first pairing	Repeat the pairing between the devices
Pairing was never done, or it was manually deleted	Repeat the pairing between the devices
The light indicator does not turn solid blue	
uMic and uDirect 2 are not paired	Repeat the pairing between the devices

Most probable cause	Remedy
I see a rapidly blinking blue indicator light on the uMic	
uMic is in pairing mode	Complete the pairing
Indicator lights are solid blue but I cannot hear the uMic	
uDirect 2 is out of range of the hearing aids	Wear uDirect 2 around the neck and correctly secure the neckloop
uDirect 2 is not correctly programmed for your hearing aids	Ask your hearing healthcare professional to reconfigure your uDirect 2 and the hearing aids
The charging time is longer than usual	
Device is being used during charging	Charging during use is possible, however, the charging time is increased by 30% (>2h)
The charger is not providing enough charging current	Only use chargers approved by Unitron

For any problems not listed in this user guide, please contact your hearing healthcare professional.

Warnings

⚐ Please carefully read the corresponding section in the Unitron uDirect 2 user guide which is delivered along with each uDirect 2.

Hazard warnings

⚠ Keep this device out of reach of children under 3 years.

⚠ Interference with medical devices. These Unitron devices use low-power, digitally coded transmission to communicate to your hearing aids. Although unlikely, interference with medical devices such as pacemakers is possible. Therefore persons using medical devices such as pacemakers are not permitted to use this device.

⚠ Use only hearing aids that have been specially programmed for you by your hearing healthcare professional.

⚠ For safety reasons, recharge only with chargers supplied by Unitron or stabilized chargers 5VDC, min. 250mA.

Important information

⚠ Do not charge uMic from a PC or laptop USB port. This may damage your equipment.

⚠ Changes or modifications to any of the devices that were not explicitly approved by Unitron are not permitted.

⚠ External devices may only be connected if they have been tested in accordance with corresponding IECXXXXX standards. Only use accessories approved by Unitron.

⚠ The battery may only be replaced by authorized personnel. Do not attempt to open the product or remove the battery as this may cause injury or damage to the product.

⚠ Dispose of electrical components in accordance with your local regulations.

⚠ The mini-USB port is to be used for the described purpose only.

Information on product safety

📖 Turn off the uMic when not in use.

📖 Always plug in the uDirect 2 neckloop and wear it around the neck when transmitting signals to your hearing aids.

📖 Protect the device connectors, plugs, charging slot and power supply from dirt and debris.

📖 Protect all devices from excessive moisture (bathing or swimming areas) and heat sources (radiator, TV top). Protect devices from excessive shock and vibration.

📖 Clean devices using a damp cloth. Never use household cleaning products (washing powder, soap, etc.) or alcohol to clean them. Never use a microwave or other heating devices to dry any of the devices.

📖 The digitally-coded, inductive transmission technology used in these devices is extremely reliable and experiences virtually no interference from other devices. It should be noted, however, that when operating the system near computer equipment, larger electronic installation or

other strong electromagnetic fields, it may be necessary to be at least 60 cm (24") away from the interfering device to ensure proper operation.

[i] X-ray radiation, CT or MRI scans may destroy or adversely affect the correct functioning of the devices.

[i] Do not use these devices in areas where electronic equipment is prohibited.

Other important information

[i] The uMic is a Bluetooth 2.1 compliant device. Its wireless transmission technology is not limited to but optimized for Unitron streamer devices such as the uDirect 2.

[i] The use of uMic with non-Unitron streamers is not supported by Unitron.

Compliance information

Declaration of Conformity

Hereby Unitron declares that this Unitron product is in compliance with the essential requirements of the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC. The full text of the Declaration of Conformity can be obtained from the manufacturer or the local Unitron representative whose address can be taken from the list on www.unitron.com (worldwide locations).

Notice 1:

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. 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.

Notice 2:

Changes or modifications made to this device not expressly approved by Unitron may void the FCC authorization to operate this device.

Notice 3:

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules and ICES-003 of Industry Canada. These limits are designed to provide

reasonable protection against harmful interference in a residential installation. This device 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 device 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 device and receiver. Connect the device 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.

Notice 4:

FCC/IC RF Radiation Exposure Statement. This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Australia: Supplier Code Number ☯ N15398

New Zealand: Supplier Code Number Z1285

Information and explanation of symbols

$C \epsilon$
xxxx

The CE symbol is a confirmation by Unitron that this Unitron product meets the requirements of the R&TTE Directive 1999/5/EC on Radio and Telecommunication Terminal Equipment. The numbers after the CE symbol are the numbers of the consulted certified bodies under the above mentioned directives.

This symbol indicates that it is important for the user to read and take into account the relevant information in this user guide.

⚠

This symbol indicates that it is important for the user to pay attention to the relevant warning notices in this user guide.

Important information for handling and product safety.

Australian EMC and Radiocommunications compliance label.

Operating conditions:

This device is designed such that it functions without problems or restrictions if used as intended, unless otherwise noted in these user guides.

0º to 55º Celsius and relative humidity of ‹95% (non condensing).

Transport and storage conditions:

Temperature: –20º to +60º Celsius (–4º to +140º Fahrenheit). Humidity Transportation: Up to 90% (non condensing). Humidity Storage: 0% to 70%, if not in use. Atmospheric pressure: 200 hPA to 1500 hPa.

The symbol with the crossed-out garbage bin is to make you aware that this device may not be thrown away as normal household waste. Please dispose of old or unused devices, at waste disposal sites intended for electronic waste, or give your device to your hearing healthcare professional for disposal. Proper disposal protects the environment and health.

This product has an embedded, nonreplaceable battery. Do not attempt to open the product or remove the battery as this may cause injury and damage the product.

Please contact the local recycling facility for removal of the battery.

Bluetooth

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CE
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