



# The Konftel 55Wx User Guide

ENGLISH

## **OmniSound® – superior sound quality**

The patented OmniSound® audio technology guarantees an impressive and crystal-clear full-duplex audio, allowing you to speak in two directions for effective participation in virtual meetings. The sound is transmitted clearly and powerfully to all attendees thanks to a hypersensitive microphone with 360° audio pick-up and speakers.

OmniSound® delivers HD audio during VoIP calls. It also incorporates automatic echo cancellation and noise suppression, which minimises background noise interference, and an equaliser for personal adaptation of the audio properties. This means you can move about freely in the room, talking, discussing and debating with others without any loss of audio quality and without any annoying sound clipping, damping or echoes. It's as close to real sound as you can get.



Konftel AB hereby declares that this conference phone is in conformity with all the essential requirements and other relevant provisions of Directive 1999/5/EC.

Please visit [www.konftel.com/doc](http://www.konftel.com/doc) to read the declaration in its entirety.



The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.



### **Warning!**

Do not expose the Konftel 55Wx to water or moisture.



### **Warning!**

Do not open the casing of the Konftel 55Wx.



### **Warning!**

Only use the power adapter provided to connect the unit to the mains.



### **Warning!**

Only use batteries from Konftel intended for the Konftel 55Wx.

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# INTRODUCTION

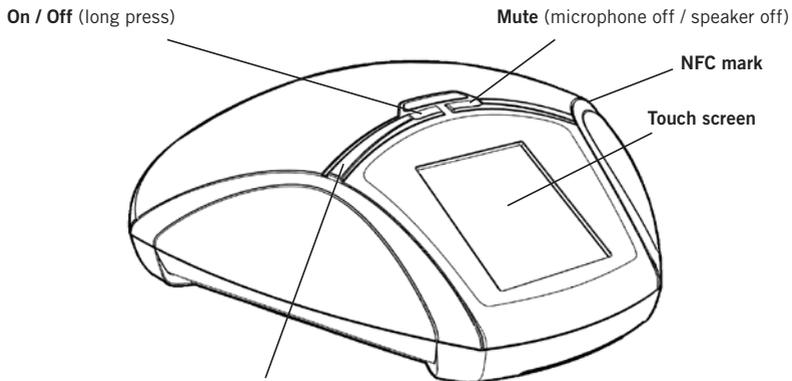
Konftel 55Wx is a conference unit that can be connected to your desktop phone, mobile phone and computer to obtain crystal-clear, powerful OmniSound® audio in your virtual meetings.

- OmniSound® audio technology with full duplex, echo cancellation and static reduction in full bandwidth (20–24000Hz). (The telecommunications network technology limits the bandwidth when communicating via the telecommunications network.)
- Support for UC solutions, such as Microsoft® Lync®.
- LCD high-resolution display with touch buttons, where the interface changes according to the connections you make.
- Mobile phone connection via a mobile cable (accessory) or Bluetooth.
- Support for simplified Bluetooth pairing and connection using NFC (near-field communications).
- Support for Bluetooth A2DP (advanced audio distribution profile) for the best audio quality when playing music.
- Connection to a desktop phone via a Konftel desk phone adapter (accessory) which makes it easy to move the sound between the handset and conference phone.
- USB connection to a computer or another USB device that supports handsfree connection.
- Automatic detection of USB playback/VoIP calls, which means that the OmniSound® audio processing feature only processes the sound when necessary. The sound is not altered when music is played.
- Audio bridge capability between a computer and connected phone.
- Call recorder capability allows you to listen to meetings afterwards or use the Konftel 55Wx as a dictaphone.
- Battery-powered option, which makes the Konftel 55Wx completely cordless with a Bluetooth-connected phone.
- The battery can be charged via the mains supply (power adapter provided) and USB.
- Headset connectivity option allows easy switching between headset and speaker function.
- Expansion microphones can be added to increase the voice pickup range. (Optional accessory.)
- Upgradeable.
- Two-year warranty.

## MAINTENANCE

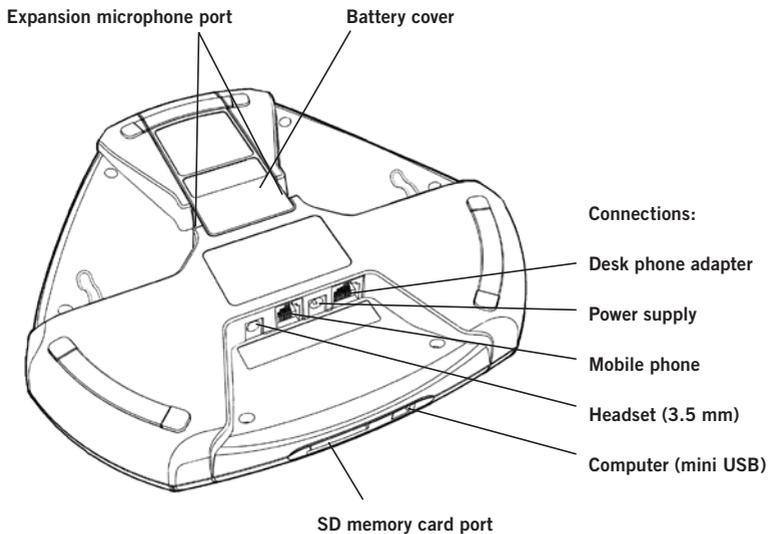
Clean the equipment with a soft, dry cloth. Never use liquids.

# DESCRIPTION



## LEDs

Flashing blue	Incoming call via Bluetooth
Steady blue light	Sound channel on/call in progress
Steady red light	Mute, microphone turned off
Flashing red	Hold, microphone and speaker turned off



# DESCRIPTION

## GENERAL

**The Konftel 55Wx automatically detects the connections you make.** Despite the unit's multiple connectivity options, it is simple to use and understand because it only displays the buttons that can be used in that particular situation.

The first time the Konftel 55Wx is started up, the display only shows a menu button and a Bluetooth button (⌘) which is used for pairing and connecting to a mobile phone. If you connect to a computer via USB, a button for this is displayed so that you can easily turn the sound on and off. Similarly, a desktop button is displayed if you connect a desktop phone, a headset button if you connect a headset and a record button if you insert an SD memory card.

A lit button indicates that the feature is active. When you press the button, it switches between on and off.



## Support for UC solutions

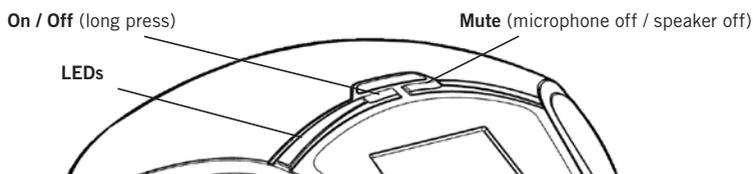
The Konftel 55Wx has expanded support for UC solutions, such as Microsoft® Lync®. Visit [www.konftel.com](http://www.konftel.com) for more information.

## LEDs

When a mobile or desktop phone button is activated, the blue LEDs light up too, indicating that an audio channel is open. This does not necessarily mean that a call is in progress since the call is controlled from the connected device (the mobile or desktop phone).



# DESCRIPTION



You can move the sound between the Konftel 55Wx and the phone during a call by pressing the button (  or  ) on the Konftel 55Wx.

With a computer connection, the LEDs first light up when a communication program that uses the microphone starts.

With a Bluetooth connection, the blue LEDs first light up when a call is connected. Since the connection allows communication in addition to the sound, a phone call can be initiated from the Konftel 55Wx keypad.

## Mute button

⇒ Press the button  (the actual button on the right) to turn the microphone off during a call.

*The LEDs show a steady red light and two buttons are displayed.*

⇒ Press the   button if you also want to turn the speaker off.

*The LEDs flash red.*

① Note that the buttons on the screen disappear after 5 seconds or if you touch the screen outside the buttons.

⇒ Press  once again (the actual button on the right or the button on the screen) to turn the microphone (and speaker) on.

*The LEDs show a steady blue light.*

## Power save mode

The Konftel 55Wx has several power save mode levels. After five minutes, the background lighting fades and after 15 minutes the image on the screen is replaced by a clock. Less time if running on battery power.

## Switching off

⇒ Hold down the button  (the actual button on the left) for three seconds.

⇒ Confirm that you want to switch off the Konftel 55Wx by pressing .

## BRIDGE CONNECTION

It is possible to establish an audio bridge between a connected phone and the computer. This means that you can make a call with your connected mobile or desktop phone and combine it with, for example, a Skype® call on the computer.

Audio bridge combinations other than a phone and computer are not possible.

Find out more about audio bridging on [page 28](#).

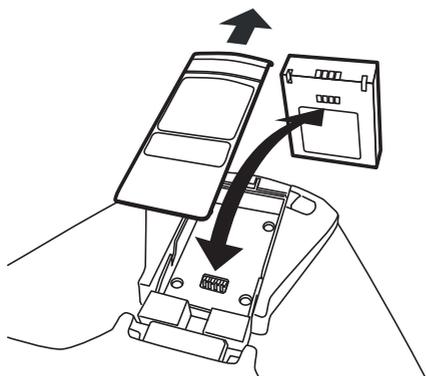
## BATTERY

The battery is charged in the Konftel 55Wx, either via the power adapter provided or via USB. It takes about 4 hours to fully charge an empty battery using the power adapter and about 5 hours via USB.

① The Konftel 55Wx has to be connected to a USB port that produces power (e.g. on a computer) in order to charge the battery. Note that it takes much longer to charge via USB if the Konftel 55Wx is turned off.

### Inserting a battery

- ⇒ Push the battery cover forwards to remove it.
- ⇒ Insert the battery in the Konftel 55Wx with its contacts towards the pins in the bottom of the battery compartment.



- ⇒ Slide the battery cover back into place.

# USING THE KONFTEL WITH A DESKTOP PHONE

The Konftel 55Wx transforms your desktop phone to a conference phone with OmniSound®. Unlike the integrated speaker function of many desktop phones, you enjoy a high sound level, full duplex (two-way audio) and efficient echo cancellation and noise reduction.

- ① OmniSound® performs over the full audio bandwidth (100–24000 Hz) but the technologies in today's telecommunications networks do not allow the full bandwidth to be used. This has an effect on the sound quality.

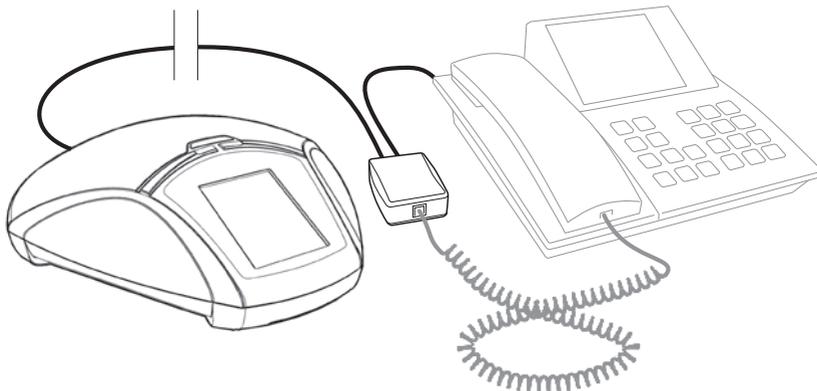
The Konftel 55Wx is connected using a desk phone adapter (accessory) which is installed between the phone and handset. The adapter allows you to transfer calls between the Konftel 55Wx and the handset by pressing a button.

The Konftel 55Wx can be connected to all digital phones (corporate networks) and, in many cases, to analogue phones too (traditional telephone sockets in the home).

- ① Note that some desktop phones can also be connected via their headset jack. See "Using the Konftel with a mobile phone" on [page 9](#).

## CONNECTING TO A DESKTOP PHONE

- ⇒ Unplug the telephone handset cable from the phone and connect it to the desk phone adapter.
- ⇒ Connect the desk phone adapter to the phone and the Konftel 55Wx as illustrated below. *The  button is displayed on the Konftel 55Wx.*



- ⇒ Make a test call to check that the receiving party has a good sound level ([see page 36](#)).
- ① The sound level produced by phones varies between the different makes. The Konftel 55Wx's microphone level may therefore need adjusting to ensure good sound quality for the other call participants. The setting is saved in the Konftel 55Wx and is used each time a phone is connected via the adapter.

## MAKING CALLS

You can make a call with the phone as usual and then transfer the call to the Konftel 55Wx, or transfer the sound before the call is connected.

- ⇒ Press the  button on the Konftel 55Wx to transfer the sound from the phone to the Konftel 55Wx.

*The  button and the LEDs light up.*



- ⇒ Lift the handset and dial the number on the desktop phone.

## Adjusting the volume

The volume can be adjusted when the phone is active ( is lit up). As is the practice in the context of telephone communications, it is not possible to turn the sound off completely using the volume control.

## Transferring and ending calls

- ⇒ Press  to transfer the sound between the Konftel 55Wx and the phone's handset.
- ⇒ End the call by placing the handset back on the desktop phone.
- ⓘ The  button on the Konftel 55Wx can remain lit if you want to use the Konftel 55Wx for future calls too.

# USING THE KONFTEL WITH A MOBILE PHONE

The Konftel 55Wx transforms your mobile phone to a conference phone with OmniSound®, ensuring high sound level, full duplex (two-way audio) and efficient echo cancellation and noise reduction.

- ① OmniSound® performs over the full audio bandwidth (100–24000 Hz), but limitations in mobile telecommunications networks reduce the bandwidth somewhat and the sound is compressed. This has an effect on the sound quality. Calls via updated 3G networks are more likely to have good audio quality.
- ① Note that it is not possible to use a desktop phone and a mobile phone at the same time with the Konftel 55Wx. The desktop phone connection is disabled when the mobile phone is connected.

## CABLE CONNECTION TO A MOBILE PHONE

The Konftel 55Wx is connected using a cable which is adapted for your phone (optional accessory). The Konftel 55Wx works in the same way as a headset connected to the mobile phone.

- ① Note that some desktop phones can also be connected via their headset jack. The function is exactly the same as for a mobile phone connection and we only write "mobile phone" in the description.

⇒ Connect the phone to the Konftel 55Wx using the mobile phone cable.

*The  button is displayed on the Konftel 55Wx. The button is immediately activated on connection.*

⇒ Make a test call to check that the receiving party has a good sound level. [See page 36.](#)

- ① The sound level produced by phones varies between the different makes. The Konftel 55Wx's microphone level may therefore need adjusting to ensure good sound quality for the other call participants. The setting is saved in the Konftel 55Wx and is used each time a phone is connected via a mobile cable.

### Automatic detection of mobile phone

The Konftel 55Wx can normally detect when a mobile phone is connected via a cable. Some mobile phones do not activate the connection until a call is connected or they put the connection to the Konftel 55Wx/headset to sleep after a certain period of inactivity. If this is the case, the  button will not be displayed until you make a call from your mobile or receive an incoming call.

If you want () to be visible all the time and your mobile phone does not automatically activate the connection, you can change the setting so that the button is always displayed, whether or not your mobile phone is connected ([see page 35](#)).

## MAKING CALLS

- ⇒ Check that the  button on the Konftel 55Wx is lit up blue. If it is not lit up, press the button.



- ⇒ Dial the number on the mobile phone.
- ① If you have a call in progress on your mobile and want to transfer it to the Konftel 55Wx, simply connect the cable.

## Adjusting the volume

The volume can be adjusted when the phone is active ( is lit up). As is the practice in the context of telephone communications, it is not possible to turn the sound off completely using the volume control.

## Hold

- ⇒ Press  to put the call on hold (microphone and speaker turned off).

## Transferring calls

- ⇒ Remove the cable from the mobile phone to transfer the sound from the Konftel 55Wx to the phone.

## Ending calls

- ⇒ End the call on the mobile phone.
- ① The  button on the Konftel 55Wx can remain lit if you want to use the Konftel 55Wx for future calls too.

# USING THE KONFTEL WITH A COMPUTER

The Konftel 55Wx transforms your computer to teleconferencing equipment with OmniSound®. Unlike normal computer speakers and microphones, the Konftel 55Wx provides full duplex (two-way audio) and efficient echo cancellation and noise reduction. The computer identifies the Konftel 55Wx as an echo cancellation device which means that communication software usually leaves the audio processing to the Konftel 55Wx, resulting in better sound quality. This can also be manually adjusted, for example in Skype®.

- ① OmniSound® performs over the full audio bandwidth (100–24000 Hz), but depending on the equipment in the network and equipment used by the other call participants, there may be some factors that limit the sound quality.

## CONNECTION TO A COMPUTER

⇒ Connect the computer to the Konftel 55Wx using the USB cable provided.

*The  button is displayed on the Konftel 55Wx. The button is immediately activated on connection.*

- ① The computer's operating system normally automatically selects the Konftel 55Wx as a speaker and microphone. If the Konftel 55Wx is not automatically selected as an audio device in the computer, you may have to open the computer's settings and select **Konftel 55Wx**.
- ① If you have an active software program in the computer that is using the computer's built-in speakers, it may be necessary to restart the program to switch to the new speaker (Konftel 55Wx).

## USING THE KONFTEL WITH A COMPUTER

### Using as a computer speaker

USB is immediately activated on connection (🖥️ lights up).



The computer normally only activates the speaker in the Konftel 55Wx if there is no other program running that can use the microphone. This means that the Konftel 55Wx acts as a computer speaker and that the audio processing in OmniSound® is turned off so that the sound is not altered.

### Using the Konftel as a conference unit

When communication software or audio recording software is started on the computer, the Konftel 55Wx microphone is also activated. OmniSound® is now handling full duplex and echo cancellation. The blue LEDs on the Konftel 55Wx also light up at the same time.

To make a VoIP call, use Skype®, Microsoft® Lync®, an online meeting service or some other VoIP (Voice over IP) software.

### Adjusting the volume

The volume can be adjusted on the computer and on the Konftel 55Wx.

📄 Press the 🖥️ button on the Konftel 55Wx to turn the sound off quickly.

# USING THE KONFTEL WITH BLUETOOTH

Practically all mobile phones have Bluetooth and can be used for wireless communication with the Konftel 55Wx. Bluetooth must be activated in the mobile phone's settings. Note that it is also possible to connect to certain desktop phones and computers with Bluetooth, but these may not have support for dialling numbers, for example, from the screen on the Konftel 55Wx. Also see "Connecting a phone with Headset Profile" on [page 24](#).

Audio can be transmitted in two different ways via Bluetooth. One is two-way, and it is optimised for speech. The other (A2DP), has higher audio bandwidth, is one-way and optimised for music.

Konftel 55Wx supports both methods and you can, moreover, select different sources for speech and music. See [Using Konftel 55Wx as a loudspeaker for playing music on page 22](#) for more information.

- ① OmniSound® performs over the full audio bandwidth (100–24000 Hz), but limitations in the telecommunications networks and in Bluetooth technology reduce the bandwidth somewhat and the sound is compressed. This has an effect on the sound quality.
- ① Note that Bluetooth in the Konftel 55Wx can be turned off. If no button is marked ✂ on the display screen, open the settings and activate Bluetooth.

## PAIRING AND CONNECTING

Two devices have to be paired before they can communicate with Bluetooth. You do this in different ways depending on whether your telephone supports simplified pairing via NFC (near-field communications) or not.

# USING THE KONFTEL WITH BLUETOOTH

## Pairing and connection via NFC

- ① NFC must be activated on your mobile phone and the screen lit.
- ⇒ Hold the mobile phone against the NFC mark **N** on the shiny curve to the right of the screen on the Konftel 55Wx.
- ① You may need to move the telephone back and forth a bit for the mobile phone and the Konftel 55Wx to make contact via NFC. The range is only about one centimetre.

*The mobile phone and the Konftel 55Wx are paired and connected. Normally, the mobile phone activates the music mode on the Konftel 55Wx. Please note that, this is controlled by the mobile phone and it can function differently with different telephones.*



The picture shows how it appears when a mobile phone with the name *Galaxy S6* is connected to the Konftel 55Wx. To the left, the music mode is displayed and to the right the call mode. Switch between the modes with the button .

Please note that, the music mode presumes that the telephone supports Bluetooth A2DP and that this channel is activated. Read more about the music mode on [page 22](#).

The symbol  shows the mobile phone's antenna signal strength.

# USING THE KONFTEL WITH BLUETOOTH

## Pairing without NFC

Pairing is possible from the Konftel 55Wx and from your mobile phone.

① Note that a conflict may arise if you try to pair from both devices at the same time. We recommend searching from one device only.

You must know the names of the devices that you want to pair in case there are lots of active Bluetooth devices nearby. The name of your Konftel 55Wx can be changed in the settings.

⇒ Turn Bluetooth on in your mobile.

*This normally makes the phone visible to other Bluetooth devices and even starts a search on some phones.*

⇒ Press the  button on the Konftel 55Wx to open the dialogue box with paired devices.

*This makes the Konftel 55Wx visible to other Bluetooth devices.*



# USING THE KONFTEL WITH BLUETOOTH

## Option 1: pair and connect from your mobile

- ⇒ Start a search on your mobile.
- ⇒ Select the Konftel 55Wx (the name of your Konftel 55Wx) from the list of devices found. (It may take a while for the devices to find one another.)

*The devices are paired and usually automatically connect to one another. You may need to initiate a connection on some phones.*

*The Konftel 55Wx returns to the main screen. Now ((Ⓜ)) is lit up and to the left of it you will see ☐☐☐☐ which you can use to dial phone numbers. You will also see the name of your connected mobile phone on the display screen and the strength of the telephone's antenna signal.*



- ① The button 🎵 is only shown if the telephone supports playing music with A2DP, [see page 22](#).

# USING THE KONFTEL WITH BLUETOOTH

## Option 2: pair and connect from the Konftel 55Wx

- ⇒ Press **+** on the Konftel 55Wx to start a search and add your mobile phone (it has to be set as being “visible”).
- ⇒ Select your phone from the list of devices found and press **✓**.



- ① You may also have to confirm on your mobile phone that you want to pair it with the Konftel 55Wx.
- ① If your mobile phone does not support the *Secure Simple Pairing* protocol, you might be asked for a PIN code. The code for connecting to the Konftel 55Wx is **0000**.

*The devices are paired and then automatically connect to one another. The Konftel 55Wx returns to the main screen. Now ((📶)) is lit up and to the left of it you will see 📶 which you can use to dial phone numbers. You will also see the name of your connected mobile phone on the display screen and the strength of the telephone's antenna signal.*



- ① The button 🎵 is only shown if the telephone supports playing music with A2DP, [see page 22](#).

## CONNECTING A PHONE THAT IS ALREADY PAIRED

A pairing means that the phone and the Konftel 55Wx save information about one another. This information is saved, even if the connection is broken.

The connection is broken if:

- The devices are far apart (Bluetooth has a range of about 10 metres).
- You turn off Bluetooth in your mobile or in the Konftel 55Wx.
- You decide to break the connection in the Konftel 55Wx (✖).

The next time your mobile and the Konftel 55Wx are within range of one another, you will not need to pair them. Simply connect.

- ① If your telephone supports pairing and connection via NFC, you hold it against the NFC mark **N**, in the same way as for pairing, to connect it. NFC must be activated on your mobile phone and the screen lit.

Do the following, if your phone does not support connection via NFC:

⇒ Press the **⌘** button to open the list of paired devices.

- ① If the Konftel 55Wx is connected to another phone, the button is displayed with **(⌘)**.



⇒ Select your phone from the list and press **✓**.

*Your phone is reconnected to the Konftel 55Wx.*

- ① Bluetooth has to be turned on in your mobile. You can make the connection from your mobile phone if you wish.
- ① If you have a call in progress on your mobile phone, it is transferred to the Konftel 55Wx.
- ① Some mobile phones try to connect automatically to a paired handsfree (Konftel 55Wx) when you make or receive a call.

# USING THE KONFTEL WITH BLUETOOTH

## MAKING CALLS

Option 1:

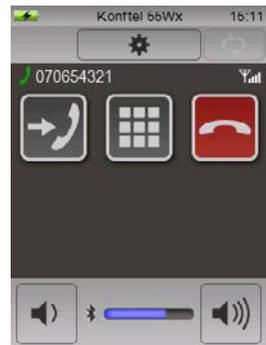
⇒ Dial the number on your mobile phone.

*The LEDs on the Konftel 55Wx light up and the sound comes from the Konftel. Some mobile phones let you select whether the sound comes from your mobile or headset (Konftel 55Wx).*

Option 2:

⇒ Press  and dial the number on the Konftel 55Wx.

*Your mobile phone rings the number. The LEDs on the Konftel 55Wx light up and the sound comes from the Konftel.*



## Answering incoming calls

⇒ Answering on the Konftel 55Wx.

*The LEDs on the Konftel 55Wx light up and the sound comes from the Konftel.*



① The call comes to your mobile if you answer it there. The Konftel 55Wx displays the  button that you can use to transfer the call to the Konftel.

# USING THE KONFTEL WITH BLUETOOTH

## Transferring calls between a mobile phone and the Konftel 55Wx

Your mobile phone is connected to the Konftel 55Wx and a call is in progress.

⇒ Press **→** on the Konftel 55Wx.

*The LEDs on the Konftel 55Wx go out and the sound is transferred to the mobile phone.*

*The **→** button is replaced by **↔**.*



⇒ Press **↔** to transfer the sound back to the Konftel 55Wx.

① If you wish to continue your call on your mobile and end the connection to the Konftel 55Wx, first transfer the call by pressing **→** then press **(↔)** and **↔** and **←**.

*The connection to your mobile phone is broken and the Konftel 55Wx can be connected to another phone.*

## Connecting and transferring a mobile call in progress

Your mobile phone is paired but not connected to the Konftel 55Wx. You have a call in progress on your mobile phone.

⇒ Press the **⌘** button to open the list of paired devices.

⇒ Select your phone from the list and press **✓**.

*The LEDs on the Konftel 55Wx light up and the sound comes from the Konftel.*

## Using the keypad during a call

Sometimes you may have to send digit codes during a call, e.g. to connect to a conference service.

You can do this from your mobile phone or from the Konftel 55Wx.

⇒ Press **☐☐☐**.

⇒ Press the digits and return to the main screen by pressing **←**.

## **Adjusting the volume**

You can adjust the volume during a call. The sound level of a call will be the same as for the previous call. You can adjust the level on the Konftel 55Wx and your mobile. As is the practice in the context of telephone communications, it is not possible to turn the sound off completely using the volume control.

## **Ending calls**

⇒ Press  to end the call or end the call from the mobile.

## USING KONFTEL 55WX AS A LOUDSPEAKER FOR PLAYING MUSIC

Most mobile phones and computers support two ways for transmitting audio via Bluetooth. One is two-way and optimised for speech while the other (A2DP – advanced audio distribution profile) has higher audio bandwidth, is one-way and optimised for music.

① A mobile phone or computer that handles A2DP, as a rule, also supports something called AVRCP (audio/video remote control profile), which means the telephone can transmit playback information. Please note that, if your unit does not support AVRCP, you can still play music on the Konftel 55Wx, but the music mode is not displayed.

Normally, both the call and the music channels are activated when the units are connected. When a mobile phone or computer transmits audio, where the source is a music app, the music mode on the Konftel 55Wx is activated automatically. When a mobile phone or computer transmits audio from a communication app, the call mode is activated automatically.

You can also switch between the modes on the Konftel 55Wx using the button .

① Please note that, there may be some delay before the music source switches off the streaming music in the music mode.

The Konftel 55Wx switches immediately to the call mode, but the button  shines until the music has silenced and other active sources are shown during the time they are in the hold mode ([see page 26](#)). You can stop the music and connect any source by pressing this button.



Music mode



Call mode

In the music mode, the artist, album and title of the piece of music are displayed, providing the Konftel 55Wx obtains this information from the source. There are also buttons to play/pause the music and jump forwards and backwards in the source's play list.

# USING THE KONFTEL WITH BLUETOOTH

## Adjusting the volume

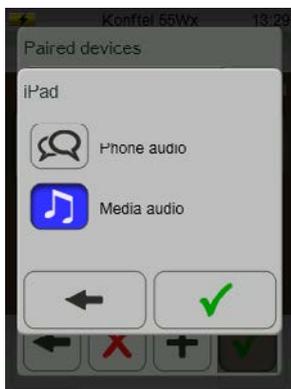
The volume can be adjusted from both the mobile phone/computer and the Konftel 55Wx.

- ① When your unit is streaming music, the symbol 🎵 is displayed next to the volume control.

## Select different sources for speech and playing music.

It is possible to connect two Bluetooth units simultaneously and choose to use one for speech and one for music.

When the first Bluetooth unit is connected, both channels are normally activated automatically. When the second Bluetooth unit is connected, the following dialogue box appears.



- ⇒ Choose 🗨️ or 🎵 depending on the channel you want to use.

*Instead of (🗨️/🎵), there is now displayed 🗨️ or 🎵 behind the name of the unit in the list of units. The channel you selected is disconnected from the first unit and is connected instead to the second one.*



## CONNECTING A PHONE WITH HEADSET PROFILE

Some desktop phones that can be connected via Bluetooth, have only limited support for Headset Profile. This means, for example, that it is not possible to dial the number on the Konftel 55Wx.

The Konftel 55Wx detects which Bluetooth profile is supported by the phone and configures the interface accordingly.

When the phone is connected via Bluetooth with Headset Profile, a button with the ((☎)) symbol is displayed.



### Making calls

⇒ Press the phone's headset button or press the ((☎)) button on the Konftel 55Wx to transfer the sound to the Konftel.

*The LEDs on the Konftel 55Wx and the ((☎)) button light up and the connection tone is heard there.*



⇒ Dial the number on the phone.

## Ending calls

- ⇒ Press the phone's headset button or press the  button on the Konftel 55Wx to end the call.

## Switching between the phone and the Konftel 55Wx

- ⇒ Lift the phone's handset.
- ⇒ Press the phone's headset button or press the  button on the Konftel 55Wx to transfer the call.

## Incoming calls

This can work in two ways, depending on the phone that is connected.

Option 1:

The Konftel 55Wx rings and the LEDs start to flash.

- ⇒ Press the  button on the Konftel 55Wx or on phone's headset button.

*The LEDs on the Konftel 55Wx and the  button light up and the sound comes from the Konftel.*

- ① It is also possible to lift the phone's handset to answer and get the sound in the handset.

Option 2:

The Konftel 55Wx rings. The LEDs and the  button light up.

- ⇒ Press the  button on the Konftel 55Wx or on phone's headset button.

*The  button remains lit and the call is connected.*

- ① It is also possible to lift the phone's handset to answer and get the sound in the handset.

# USING MULTIPLE CONNECTIONS

You can have a phone connected via Bluetooth and a phone connected via a phone adapter or mobile cable at the same time. Buttons for both the phones are displayed on the Konftel 55Wx. Calls can be made or answered from either phone.

## SWITCHING BETWEEN CONNECTIONS

Activate the desired connection by pressing the corresponding button. Any previous active connections will be parked, which is indicated by the button flashing.

### Bluetooth and cable-connected phone

For example: you have a call on your desktop phone and are using the Konftel 55Wx.

*The Bluetooth-connected mobile phone starts to ring. The ring signals are audible from the Konftel 55Wx, the LEDs are flashing blue and  and  are displayed.*

⇒ Press  to answer the incoming call.

*The existing call is parked and the  button flashes.*



Incoming Bluetooth call.



Bluetooth call is active.  
Desk phone is put on hold.  
The  button flashes.



Desk phone call is active.  
Bluetooth is put on hold.  
The  button flashes.

⇒ Press  which is flashing to return to the first call.

*The second call is put on hold and  now becomes a flashing .*

# USING MULTIPLE CONNECTIONS

## Bluetooth with Headset Profile

You can have a phone connected via Bluetooth with *Headset Profile* and a phone connected via a mobile cable or phone adapter at the same time. However, this functions slightly differently than when the Bluetooth phone supports all hands-free features.

For example, if you have an ongoing mobile call with a cable-connected phone and you answer an incoming call via Bluetooth, the ongoing mobile call is put on hold as illustrated below. You can switch between the mobile call and the Bluetooth call by pressing the  button or .



Ongoing mobile call and incoming Bluetooth call.



Bluetooth call is active.  
The mobile phone is put on hold.  
The  button flashes.



The mobile phone is active.  
The Bluetooth call is put on hold.  
The  button flashes.

# BRIDGE CONNECTION

When bridging a computer and a phone, all you need to do is activate both sources of sound. OmniSound® can handle full duplex, echo cancellation and noise reduction for both the sound sources simultaneously.

⇒ Press  and (depending on which phone is connected) press  or . Or make a call via your Bluetooth-connected phone.

*Both buttons are lit up and the sound from the computer and phone is audible from the Konftel 55Wx. The volume control gets two level indicators.*



## ADJUSTING THE VOLUME

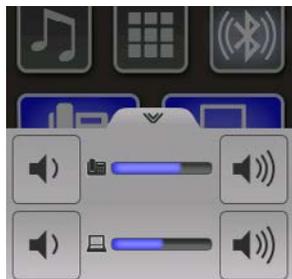
The general sound level for the call is adjusted in the normal way by pressing on the right or left-hand side of the volume button.

### Adjusting the level of each sound source individually

The sound from the computer and your phone can have different levels. If each sound source is adjusted individually, all the voices in a call will be heard clearly.

⇒ Press the button on the top of the volume control.

*The volume control is divided into two volume controls.*



## BRIDGE CONNECTION

- ⇒ Adjusting the sound individually for each sound source.
- ⇒ Return to just one volume control by pressing the button on the top of the upper volume control.
- ① The Konftel 55Wx saves the set level when a sound source is turned off. The next time the same sound source is activated, it is started at the most recently used volume.

# USING A HEADSET

The Konftel 55Wx has a headset port (3.5 mm plug).

- ① See the heading Headset under settings (page 33) if your headset does not work with the Konftel 55Wx.
- ① There is also a headset sound level setting, which allows the level of sound to be adjusted so that it seems as powerful as from the speakers.



## Warning!

Use of headphones/earbuds at high volumes can damage your hearing.

⇒ Connect your headset to the Konftel 55Wx.

*The  button is displayed on the Konftel 55Wx and the sound is transferred to the connected headset.*

⇒ Press  to switch between sending the sound to the headset or to the Konftel 55Wx.



## BLUETOOTH HEADSET

It is also possible to connect a headset wirelessly with Bluetooth. [See page 13](#) for a pairing description.

⇒ Press  to switch between sending the sound to the headset or to the Konftel 55Wx.

# RECORDER CAPABILITY

The Konftel 55Wx can be used to record your meetings and for dictations. The recordings are saved on a memory card. Folders are automatically created on the card with the date of the recordings. These are saved in WAV format with the time when the recording started.

The Konftel 55Wx supports SD and SDHC cards. Recording capacity is 35 hours per GB on the memory card.

## RECORDING

① Always make sure that the conference call participants do not object to a meeting being recorded. The participants you call will hear an audible signal at regular intervals to let them know that the call is being recorded.

⇒ Inserting an SD memory card in the Konftel 55Wx.

*The right-hand side of the ⚙ button is now a recording button ●.*



⇒ Press ● to start recording.

*The recording button flashes red and the recorded time is displayed.*



⇒ Press the recording button ● again to stop recording.

*The recording is saved on the SD card.*

## LISTENING TO A RECORDING

You can transfer the card to a computer to play back and edit the recording, or you can play it back on the Konftel 55Wx.

⇒ Press **⚙** and select **▶ Recordings**.

*A list of the recordings on the SD card is displayed.*

⇒ Press the recording you want to listen to.



You can pause the playback by pressing **||** and move forwards and backwards 10 seconds by pressing **▶** and **◀**.

You can move to any part of the recording you like by pressing on the time line above the buttons.

Adjust the sound level using the buttons **🔊** and **🔇**.

You can delete the highlighted recording using the **🗑** button.

# SETTINGS

- ⇒ Press .  
*The menu opens.*



## CHANGING LANGUAGES

- ⇒ Press  **Language** in the menu.
- ⇒ Select a language from the list and press the back arrow .



## ADJUSTING SOUND EFFECTS

⇒ Press  **Sound** in the menu.

⇒ Make your settings by pressing the buttons and end with the back arrow ←.



### Ring level

This setting is only for incoming calls via Bluetooth.

### Key tone

There is a choice of off, discreet and a slightly louder click sound.

### Recording indication

To let people know that a call is being recorded when you call them, an audible signal is heard at regular intervals. This recording indication can be turned off.

## CHANGING CONNECTION SETTINGS

- ⇒ Press  **Connection** in the menu.
- ⇒ Make your settings by pressing the buttons and end with the back arrow .



### Mobile phone connection

The Konftel 55Wx can normally detect when a mobile phone is connected via a cable. Some mobile phones do not activate the connection until a call is connected. If the mobile phone that is connected is like this and you want the sound activation button on the Konftel 55Wx to be visible all the time, you should select **1** instead of **Auto**.

### Bluetooth

It is possible to turn off Bluetooth if you do not want the Konftel 55Wx to be able to connect wirelessly to any phone. Any paired telephones are saved and displayed next time Bluetooth is turned on. Turning off Bluetooth will save the battery power of your Konftel 55Wx if it is running on battery.

### Desk phone adapter configuration

 This setting is only shown if a phone adapter is connected.

The telephone manufacturers have different ways of using the pins in the phone handset connectors. If the adapter does not work with your phone, you may need to change the configuration of the pins by moving this setting from **1** to **2**.

- ⇒ Activate  and lift the handset of you connected phone to check if the phone adapter is working.

*You should hear the connection tone in the Konftel 55Wx.*

## Desk phone adapter microphone level

① This setting is only shown if a phone adapter is connected.

The level of sound sent by phones to the receiving party varies between the different makes. It may be necessary to adapt the microphone level to the telephone in order to adapt this sound level so that the Konftel 55Wx provides optimal performance and the other participants enjoy quality sound.

The setting is saved in the Konftel 55Wx and is used each time a phone is connected via the phone adapter.

⇒ Activate  and make a test call with your phone.

⇒ Open the  **Connection** setting in the menu and adjust the outgoing sound until you find the optimal level.

① When speaking directly into your phone, use the sound as a reference level.

If the other party finds it hard to hear the sound, try increasing the level of the outgoing sound from **0** to **+1** or **+2**.

If the other party finds the sound loud but distorted, try decreasing the level of the outgoing sound from **0** to **-1** or **-2**.

## Mobile phone microphone level

① This setting is only shown if a mobile phone is connected with a cable.

The level of sound sent by mobile phones to the receiving party varies between the different makes. It may be necessary to adapt the microphone level to the mobile telephone in order to adapt this sound level so that the Konftel 55Wx provides optimal performance and the other participants enjoy quality sound.

The setting is saved in the Konftel 55Wx and is used next time a mobile phone is connected. Note that since the levels can vary from one make to another, it may be necessary to make a new adjustment when other mobile phones are connected.

① The basic setting **0** works satisfactorily for most mobile phones, but this setting allows you to fine tune the sound.

⇒ Activate  and make a test call with your mobile phone connected to the Konftel 55Wx.

⇒ Open the  **Connection** setting in the menu and adjust the outgoing sound until you find the optimal level.

① When speaking directly into your mobile phone, use the sound as a reference level.

If the other party finds it hard to hear the sound, try increasing the level of the outgoing sound from **0** to **+1** or **+2**.

If the other party finds the sound loud but distorted, try decreasing the level of the outgoing sound from **0** to **-1** or **-2**.

## Headsets

This setting allows you to adapt the headset port for different headsets.

Most headsets with a 3.5 mm plug have three (mono) or four (stereo) interfaces with the microphone's connector furthest out on the top. If your headset does not work, it may be because it has another position on the interfaces.

## Headset level

Sensitivity (audio volume) can vary from headset to headset. It is therefore possible to adjust the volume so that the sound heard seems to be about the same level as when heard via the speakers.



### Warning!

Use of headphones/earbuds at high volumes can damage your hearing.

A higher volume may be harmful to hearing if you have a high-sensitivity headset.

## Feature layer

Using this setting, you can select your preferred UC solution or choose to turn the function off. Microsoft® Lync® is selected by default, which means that if the Konftel 55Wx detects that the Lync client is being used by the computer, Lync feature layer will be displayed on the Konftel 55Wx.

## Bluetooth media audio

It is possible to disable the Bluetooth music channel (A2DP) in Konftel 55Wx. This simplifies the user interface if the unit only is going to be used for speech.

## CHANGING SYSTEM SETTINGS

- ⇒ Press the  **System** button on the menu.
- ⇒ Make your settings by pressing the buttons and end with the back arrow ←.



Here you can:

- Change the name of your Konftel 55Wx (this name is displayed when pairing with Bluetooth)
- Set the time and date for recordings
- Check software versions
- Initiate software upgrades
- Restore your Konftel 55Wx to factory settings, thereby deleting all settings and saved values.

# UPGRADING SOFTWARE

The Konftel 55Wx is continually being developed with smart features and the software can be upgraded to ensure the unit is always running the latest software version. You can upgrade via a USB or via an SD card.

- ① Note that in upgrade mode, the text is always in English whatever language has been selected in the the Konftel 55Wx. The same applies to the software **Konftel Upgrade Utility**.

## UPGRADING FROM A PC

This method requires a PC with Microsoft® Windows®.

### Installing Konftel Upgrade Utility

- ⇒ Visit [www.konftel.com/upgrades](http://www.konftel.com/upgrades) and select Konftel 55Wx.
- ⇒ Download **Konftel Upgrade Utility**.
- ⇒ Install the software on your computer.  
Follow the instructions given by the installation program.

### Updating software

- ⇒ Connect your Konftel 55Wx to the computer using the USB cable.
- ⇒ Press , select  **System**.
- ⇒ Press the **Upgrade** button and confirm by pressing  to reboot in upgrade mode.



*The Konftel 55Wx restarts in upgrade mode.*

- ⇒ Press  **Use USB** when the Konftel 55Wx reboots.
- ⇒ Start **Konftel Upgrade Utility** on your computer.  
Follow the instructions that the software guide gives you.

# UPGRADING SOFTWARE

- ① We recommend that you let Konftel Upgrade Utility automatically download and install the latest version from Konftel's website. You can also install a Konftel firmware file that has already been downloaded to the PC's hard drive.

## UPGRADING VIA AN SD CARD

This method requires a computer with an SD card reader.

### Downloading upgrade files

- ⇒ Visit [www.konftel.com/upgrades](http://www.konftel.com/upgrades) and select Konftel 55Wx.
- ⇒ Download the latest software version for the Konftel 55/55Wx.
- ⇒ Copy the file (with .kt extension) to an SD card.

### Updating software

- ⇒ Insert the SD card with the software file in the Konftel 55Wx.
- ⇒ Press , select  **System**.
- ⇒ Press the **Upgrade** button and confirm by pressing  to reboot in upgrade mode.



*The Konftel 55Wx restarts in upgrade mode.*

- ⇒ Press  **Use SD** when the Konftel 55Wx reboots.
- ⇒ Follow the instructions that are displayed on the Konftel 55Wx.

# TECHNICAL DATA

Size	Width 222 mm, depth 206 mm, height 68 mm.
Weight	640 g.
Colour	Liquorice black and silver.
Display	Colour LCD, 240x320 pixels.
Buttons	Touch screen plus on/off and microphone switch-off.
Memory	SD (SDHC) memory card support.
Upgrading	Konftel upgrade utility (for Microsoft Windows) upgrades Konftel 55Wx software via the USB connection. It is also possible to upgrade via an SD card.

## Power supply

AC adapter	Phihong PSC12R, 100–240 V AC/12 V DC.
Battery (optional)	3,7 V 2260 mAh Li. Ion-Polymer. The battery in the Konftel 55Wx is charged using the AC adapter or the USB cable.

## Connectivity

USB	USB 2.0 Mini B. For computer connection.
Mobile phone	Modular 6P6C DEC. For connection to headset jack (optional cable required).
Desktop phone	Modular 8P8C. For connection to an IP or TDM desktop phone using a Konftel phone adapter (optional). Some desktop phones can be connected directly to the phone with a special cable.
Headsets	3.5 mm phone plug (TRS/TRRS).
Bluetooth	Bluetooth 3.0. For connection to a mobile phone or other equipment that supports the “Bluetooth Handsfree profile” or “Bluetooth headset profile” and acts as an audio gateway. Support for simplified Bluetooth pairing and connection using NFC (near-field communications). To play music with the highest audio quality and for control via the music mode on the Konftel 55Wx, support for A2DP (advanced audio distribution profile) with AVRCP (audio/video remote control profile) is required.
Expansion microphones	2 modular 4P4C.

# TECHNICAL DATA

## Sound

Technology	OmniSound®.
Microphone	Omnidirectional.
Coverage range	Up to 30 m <sup>2</sup> .
Frequency range	100-24000 Hz.
Volume	90 dB SPL 0.5 m.

## Environment

Temperature	5°–40°C.
Relative humidity	20–80% condensation free.
Recommended acoustics	Reverberation period 0.5 S Rt 60. Background noise < 45 dBA.

Konftel is a leading company and the world's fastest growing brand, within audio conferencing equipment. Since 1988, our mission has been to help people around the world to conduct meetings despite distances. Based on our success, we know that audio conferencing is a great way to save time, money and at the same time contribute to a better environment. High audio quality is essential for efficient meetings, this is why our patented audio technology OmniSound<sup>®</sup>, is built into all Konftel Conference phones. The products are sold globally under the Konftel brand and our head-quarter is based in Sweden. Read more about the company and products on [www.konftel.com](http://www.konftel.com)



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