User Guide
Konftel 800

ENGLISH

(((KONFTEL GET TOGETHER]

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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** to view the complete declaration of conformity.

⚠️ **Warning!**
Do not expose the Konftel 800 to water or moisture.

⚠️ **Warning!**
Do not open the casing of the Konftel 800.

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INTRODUCTION

PURPOSE

This document describes the procedures for using Konftel 800 and is intended for the end users.

CHANGE HISTORY

Issue	Date	Summary of changes
Release 1.0.4	February 2021	• Updated Phone settings description on page 32 with the Allow Legacy Encryption settings. • Updated Bluetooth connection on page 43 with information on switching between the Bluetooth modes. • Updated Konftel Unite on page 48 in line with the change in MD5 usage. • Added new section Expansion microphone firmware upgrade on page 57.
Release 1.0.3	October 2020	• Added new section Call transfer on page 26. • Added new section Caller information presentation on page 28. • Updated Phone settings description on page 32 with the date, date format, time, time format, Daylight Saving Time (DST) mode, timezone and Custom DST settings. • Added new section Daylight Saving Time on page 39. • Added new section Configuring the minute offset through the web interface on page 40. • Added new section Time format on page 40.
Release 1.0.2	August 2020	• Added new section Sleep mode on page 17. • Added new section Bluetooth calls on page 23.

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Issue	Date	Summary of changes
		• Added new section Bluetooth connection on page 43. • Added new section Phone book on page 25.
Release 1.0.1	March 2020	• Updated Logging in to the web interface of Konftel 800 on page 30 with the supported browser and communication protocol. • Updated Phone settings description on page 32 with key tone functionality. • Added Disabling the daisy chain mode on page 57. • Added Upgrading Smart Expansion Microphone manually on page 60.

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PHONE OVERVIEW

Konftel 800 is a SIP conference phone that you can use to make calls and hold conferences with a great audio quality. It provides an improved user experience and ensures an easier connection to audio conference bridges. The phone is based on a multi-connectivity platform to leverage the "Bring your own device" approach.

The features of the conference phone include a simple-to-use 4.3 inch graphical LCD with a backlight and volume control and mute buttons. Two more mute key buttons are located along the perimeter of the device. You can attach additional expansion microphones or cascade three Konftel 800 devices in a daisy chain to expand the audio distribution and pickup in the room.

SAFETY GUIDELINES

Ensure that you are familiar with the following safety guidelines before using, installing, configuring, and administering Konftel 800.

ⓘ This conference phone is not designed for making emergency telephone calls when the power fails. Make alternative arrangements for access to emergency services.

- Read, understand, and follow all the instructions.
- Do not place this phone on an unstable cart, stand, or table. If the phone falls, serious damages can be caused to the device.
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.
- Ensure that the power cord or plug is not damaged.
- Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
- Avoid wetting the device to prevent fire or electrical shock hazard.
- Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners, harsh chemicals, cleaning solvents, or strong detergents to clean the device. Use a damp cloth for cleaning.
- Avoid exposing the phone to high temperatures above 40°C (104°F), low temperatures below 0°C (32°F), or high humidity.
- Do not block or cover slots and openings of the phone. These openings are provided for ventilation, to protect the phone from overheating.

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- Never push objects of any kind into this phone through cabinet slots as they might touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock.
- Do not disassemble this product to reduce the risk of electric shock. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock during subsequent use.
- Do not use the phone to report a gas leak in the vicinity of the leak.
- Do not use the phone near intensive care medical equipment or close to persons with pacemakers.
- Do not place the phone too close to electrical equipment such as answering machines, TV sets, radios, computers, and microwave ovens to avoid interference.

ⓘ In case Konftel 800 and the corresponding accessories are damaged, the device does not operate normally or exhibits a distinct change in performance, refer for servicing to the qualified service personnel.

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PHYSICAL LAYOUT

Figure 1: Front view of Konftel 800

The following table lists the buttons and the other elements of Konftel 800.

Callout number	Description
1	Mute buttons
2	Volume down button

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Callout number	Description
3	Volume up button
4	NFC tag
5	Touch screen
6	LED status indicators

CONNECTION LAYOUT
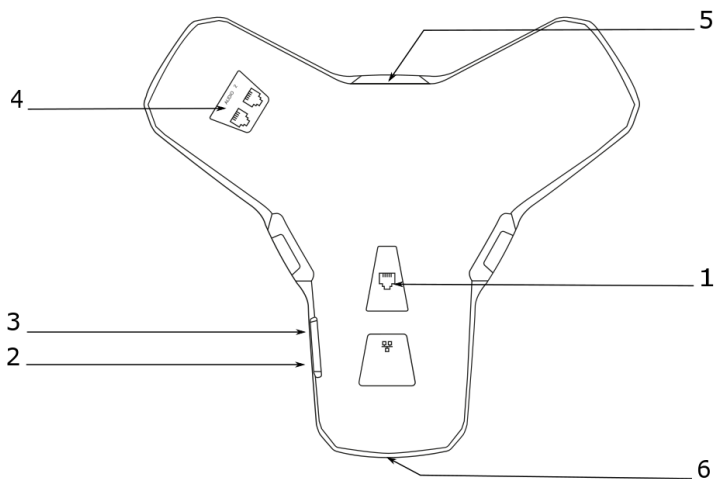
Figure 2: Connection layout of Konftel 800

The following table lists the sockets and ports available on Konftel 800 for connection.

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Callout number	Description
1	PoE/Ethernet connection socket
2	USB Type A
3	Micro-USB Type B
4	Audio expansion ports
5	Kensington® security lock port
6	NFC tag for Bluetooth

DIMENSIONS

The following table shows the dimensions of Konftel 800.

Parameter	Dimension
Width	326.41 mm
Length	369.87 mm
Height	74.7 mm

ICONS

Icons on the home screen of Konftel 800

Icon	Name	Description
🕐	**Recent**	To check the call list. The phone provides the following information about the calls: • **Number**. View the phone number of the contact.

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Icon	Name	Description
		• **Date**. View the information when the phone received the call. This applies only to the calls preceding the current day. • **Time**. For the current day, the phone shows the time of the call in the convenient time format. • **Direction**. View the incoming, outgoing and missed calls.
	Unite	To access the Konftel Unite settings.
	Call	To dial phone numbers and codes for telephone operations or Konftel Unite connection.
	Settings	To check and configure the settings from the phone. View the phone status and reach the menu.
	Microphone Muted	To mute and unmute the phone.
	Volume Up	To increase the phone volume level.
	Volume Down	To decrease the phone volume level.
	NFC	To indicate the built-in NFC tag.

Other icons of Konftel 800

Icon	Name	Description
	Make Call or **Answer**	To indicate the phone off-hook status and answer an incoming call.

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Icon	Name	Description
	Hang Up	To indicate the phone on-hook status and end a call.
	Incoming	To show an incoming call.
	Outgoing	To show an outgoing call.
	Missed	To indicate a missed call.
	Hold or **On Hold**	To put a call on hold or to indicate that a call is on hold.
	Conference	To arrange a conference call.
	Split	To split a conference call into several separate calls.
	Add Participant	To add a participant to a conference call.
	Talk Private	To arrange a private discussion with a participant of a conference call.
	Caps	To type in capital letters.
	Delete	To delete an unneeded number or letter.
	Visibility	To mark whether the characters must stay visible to the user, for example, when logging in with the password.

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Icon	Name	Description
	Invisibility	To mark whether the characters must stay invisible to the user, for example, when logging in with the password.
	Logged In	To indicate that the user logged in as the administrator.
	Microphone Muted	To indicate that the phone is in muted state.
	Enter	To confirm the input of information.
	Confirm	To confirm the information.
	Reject	To discard the information.
	Arrow Down	To move to the sections below.
	Arrow Up	To move to the sections above.
	Arrow Left	To return to the previous page.
	Arrow Right	To move to subsections of a section.
	USB Connected	To indicate an active USB connection.
	Konftel Unite connected	To show the connection of the phone to Konftel Unite.

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Icon	Name	Description
	Daisy Chain Mode	To indicate that the phone is in a daisy chain mode.
	Loading	To show that the phone is loading the new version of the firmware.
	Contacts	To show that the LDAP external phone book is available.
	Bluetooth connection	To indicate an active Bluetooth Classic connection.
	Call Transfer	To show that it is possible to transfer an ongoing call to another contact person.

LED STATUS INDICATORS

The LEDs on the phone indicate the status of a call, such as an incoming call, a call on hold, or a call on mute, or the status of the phone. The LEDs emit bright red, green, and blue colors that are visible over a distance to draw your attention to the phone status as required.

You can also press the status indicator LEDs to mute and unmute the phone.

LED color	Description
Steady red	Microphones are on mute.
Flashing red	A call is on hold. Microphones and the speaker are turned off.
Steady green	A call is in progress.
Flashing green	An incoming call is ringing.
Steady blue	Active Bluetooth connection.

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LED color	Description
Flashing blue	The phone is in Bluetooth pairing mode.
LEDs off	The phone is inactive.

SPECIFICATIONS

The following table lists the specifications that Konftel 800 supports:

Name	Description
Power	• PoE 802.3af • PoE 802.3at • PoE injector available as an accessory
Connectivity	• Ethernet RJ45 10/100/1000 Mbps, PoE 802.3af, and PoE 802.3at • USB 3.0 device • Built-in Bluetooth LE and NFC • Bluetooth Classic • Daisy Chain (audio) ports (6-pin RJ-type)
Screen	Graphical touch screen with a resolution of approximately 480 x 800 and size of 4.3"
Acoustics	• 3 symmetrically placed MEMS microphones • Full range speaker in the sealed enclosure
Music	• PoE 802.3at: 91 dB and bass boost • PoE 802.3af: 87 dB • Daisy Chain: 91 dB
Speech	• PoE 802.3at: 91 dB • PoE 802.3af: 87 dB • Daisy Chain: 91 dB
USB	Micro USB 3.0 device Type B

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Name	Description
Bluetooth	• Bluetooth LE • Bluetooth Classic
Accessories	You can additionally purchase the following accessories: • Konftel PoE kit • Konftel Smart Microphones • Konftel Daisy Chain kit
User interface	• Simplified user interface • Functional keypad and dial pad • LED indicators for call and connectivity status
Mobile app	Konftel Unite. With the app, you can access your mobile phone contact book and calendar. The app is available for free at AppStore and Google Play

SLEEP MODE

Konftel 800 supports the sleep mode feature, which saves power by turning the screen off after a specified period of inactivity. By default, the sleep mode is in disabled state. The phone administrator can enable the sleep mode and configure the time-out value.

The phone wakes up from the sleep mode when you do any of the following:

- Touch the screen
- Connect or disconnect the USB cable
- Connect or disconnect a daisy chain Slave device
- Connect or disconnect the Bluetooth Classic

The phone also wakes up from the sleep mode in case of screen activity, such as an incoming call, Konftel Unite connection, or error prompts.

The phone cannot enter the sleep mode during an active call or when it is in the music streaming mode.

TELEPHONY OPERATIONS

REGULAR PHONE CALLS

You can make and manage regular phone calls with Konftel 800. Regular call is a traditional telephony option when two persons are speaking over the phone.

Konftel 800 supports the following regular phone call operations:

- Making a call
- Answering a call
- Answering a call while on another call
- Muting the phone during a call
- Placing the call on hold
- Redialing a number

You can use the volume control buttons on the phone to adjust the volume during a call.

Making a call

Use this procedure to make a call with Konftel 800.

⇨ On the phone screen, tap the **Call** icon.

The **Dialpad** view opens.

⇨ Use the dial pad to dial the number you want to call.

⇨ Optional: To edit a dialed number, tap the **Delete** icon.

⇨ Tap the **Make Call** icon.

The phone starts dialing the number. The LEDs show a steady green light. When the other person answers, you can see the duration of the call on the screen.

If the other person discards your call, the phone shows you the following message: `User busy`.

Answering a call

Use this procedure to answer an incoming call. When there is an incoming call, the phone plays a ringtone, the green LED starts flashing, and the phone displays the number of the calling person on the screen.

⇨ On the phone screen, tap the **Answer** icon.

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When you answer the call, the phone displays the timer to control the duration of the call, the phone number or the name of the caller or both. If the caller information is unavailable, the phone displays `Unknown`.

⇨ To end an ongoing call, tap the **Hang Up** icon.

Answering a call while on another call

Use this procedure to answer an incoming call when you are on a call without dropping the first call. When there is a second incoming call, the phone shows the caller's number and the green LED starts flashing.

⇨ On the phone screen, tap one of the following:

    a) **Answer**: To answer the second call, and put the first call on hold.

    b) **Hang Up**: To ignore the second call, and continue the first call.

⇨ Go on with the call.

Konftel 800 stops ringing.

Muting and unmuting the microphone during a call

Use this procedure to mute the microphone during a call.

Start a call.

⇨ On the phone, tap the **Microphone Muted** icon.

The LED color changes from green to red. The other participant cannot hear what you are saying.

⇨ To unmute the microphone, tap the **Microphone Muted** icon again.

Placing a call on hold

Use this procedure to place an active call on hold and then resume the call.

Start a call.

⇨ On the phone screen, tap the **On Hold** icon.

The LED starts flashing red indicating that the call is placed on hold.

⇨ Tap the **On Hold** icon again.

The LEDs turn green indicating that the call is active again.

⇨ To end an ongoing call, tap the **Hang Up** icon.

TELEPHONY OPERATIONS

Redialing a number

Use this procedure to redial the number from your call list.

⇨ On the phone screen, tap the **Recent** icon.

  The phone displays the list of the last incoming, outgoing and missed calls.

⇨ Scroll through the list and select the number you want to call.

  The phone displays the following information about the call:

  • Number
  • Date or time
  • Direction

⇨ Tap the **Make Call** icon to redial the number.

  The phone dials the selected number.

CONFERENCE CALLS

You can make and manage conference calls with Konftel 800. Conference call is a telephony option when at least three persons are speaking over the phone.

ⓘ These conference calls are conference calls generated by Konftel 800 (the built-in audio conference bridge).

Konftel 800 supports the following conference call operations:

• Setting up a conference call
• Adding participants to a conference call
• Putting a participant of a conference call on hold
• Talking to a participant of a conference call privately
• Splitting a conference call
• Dropping a participant from a conference call.

ⓘ Konftel 800 supports a conference of maximum 5 participants, out of whom 4 are external. The number depends on the used codecs.

Setting up a conference call

Use this procedure to set up a conference call on your phone.

⇨ On the phone screen, tap the **Call** icon.

  The **Dialpad** view opens.

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⇨ Dial the number of the first person that you want to include in the conference call.

⇨ When the person answers, tap **Add Participant**.

The phone displays the **Add Participant** screen.

⇨ Dial the number of the second person that you want to include in the conference call. You can do it as follows:

- Choose the number in the **Recent** tab from the recent calls list.
- Dial the number using the **Dialpad**.
- Choose the number in the **Contacts** tab from the LDAP phone book.

⇨ Tap **Conference** when the called party answers.

The phone displays the conference call window and starts the conference call. The conference call window displays the names or numbers of the participants on the call and a call timer.

Adding a participant to a conference call

Use this procedure to add participants to an ongoing conference call.

Start a conference call.

⇨ On the phone screen, tap **Add Participant**.

The phone displays the **Add Participant** screen.

⇨ To add a participant, do one of the following:

- On the **Recent** tab, choose the number of the person that you want to include in the conference from the recent calls list.
- Dial the number using the **Dialpad**.
- On the **Contacts** tab, choose the number of the person that you want to include in the conference from the LDAP phone book.

⇨ When the called person answers the call, tap **Conference**.

The phone includes the called person into the conference call.

Placing a participant of a conference call on hold

Use this procedure to put a participant of a conference call on hold. This action does not put other participants of the conference call on hold.

Start a conference call.

⇨ On the phone screen, tap the participant's number or the ⟩ icon.

The phone shows the participant and the list of actions, which you can do during an ongoing conference call.

⇨ Tap the **On Hold** icon to put the participant on hold.

The phone activates the **On Hold** icon to demonstrate the procedure is complete.

⇨ Tap the **On Hold** icon again for the participant to rejoin the conference call.

Talking to a participant of a conference call privately

Use this procedure to talk privately with a participant of a conference call. When you do it, other participants of the conference call are not able to listen to the discussion between you and the selected participant.

Start a conference call.

⇨ On the phone screen, tap the participant's number or the ⟩ icon.

The phone shows the participant and the list of actions, which you can do during an ongoing conference call.

⇨ Tap the **Talk Private** icon to talk privately with the participant.

The phone puts all other participants on hold.

⇨ Tap the **Conference** icon to reconnect to the conference call.

Dropping a participant from a conference call

Use this procedure to drop a participant from an ongoing conference call.

Start a conference call.

⇨ On the phone screen, tap the participant's number or the ⟩ icon.

The phone shows the participant and the list of actions, which you can do during an ongoing conference call.

⇨ Tap the **Hang Up** icon.

The phone drops the participant from the conference call.

Splitting a conference call

Use this procedure to split an ongoing conference call into several calls.

Start a conference call.

On the phone screen, tap the **Split** icon.

TELEPHONY OPERATIONS

The phone places all participants to separate calls and puts the calls on hold.

- To resume the call with any one of the participants, tap the participant's entry and then the **On Hold** icon.
- To connect all the separate calls to the conference call, tap the **Conference** icon.

BLUETOOTH CALLS

You can use Konftel 800 to handle the phone calls coming to your mobile device. This functionality is available when you pair the phone with your mobile device and the two devices are in a connected state.

Konftel 800 supports the following Bluetooth call operations:

- Answering a call
- Rejecting a call
- Ending a call

ⓘ You can handle Bluetooth calls only when Konftel 800 is in on-hook mode. The phone does not support Bluetooth calls in off-hook mode during a SIP or USB call.

Handling Bluetooth calls from Konftel 800 affects incoming SIP and USB calls. When the phone is on a Bluetooth call, it sends a busy signal to other incoming calls. Also, accepting a Bluetooth call blocks any ongoing USB audio stream.

Volume control

During a call, you can adjust the volume level. Konftel 800 synchronizes the volume level with the volume level of the connected mobile device. Rather than adjusting the volume of each device independently, you can turn the volume up or down on any one of the devices.

You can also mute the Bluetooth call on any one of the devices. Note that the devices do not synchronize the mute state.

ⓘ Konftel 800 does not synchronize the volume level with the Bluetooth device when streaming audio.

Ringtone

The ring signal you hear on Konftel 800 in case of an incoming Bluetooth call depends on specifications of the mobile Bluetooth device. The options are as follows:

- If your mobile device supports in-band ringtone, Konftel 800 plays the signal it receives from the connected Bluetooth device.

TELEPHONY OPERATIONS

- If your mobile device does not support in-band ringtone, Konftel 800 plays its local ringtone or remains silent depending on its **Ring Level** setting.

Related tasks
Pairing and connecting Bluetooth devices on page 44

Handling incoming Bluetooth calls

You can use Konftel 800 to handle calls coming to your mobile device if the two devices are in a paired and connected state. When you receive an incoming call on your mobile device, the LEDs on Konftel 800 start flashing green, the phone rings and displays the caller ID and the following message: `Incoming Call.` You can use Konftel 800 to answer or reject the call.

Ensure that Konftel 800 and your mobile device are in paired and connected state.

- When the phone rings, do one of the following:

  - To reject the call, tap the **Hang Up** icon.
  - To answer the call, tap the **Answer** icon.

  When you answer the call, the LEDs on Konftel 800 show a steady green light, the phone displays the caller ID and the following message: `Bluetooth call.`
- To end an ongoing call, tap the **Hang Up** icon.

Related tasks
Pairing and connecting Bluetooth devices on page 44

Handling outgoing Bluetooth calls

You can use Konftel 800 to handle calls coming from your mobile device if the two devices are in a paired and connected state. When you make a call from your mobile device, the LEDs on Konftel 800 are steady green. The phone plays ringback tone generated by your mobile device and displays the following message: `Calling.` When the other person answers the call, the phone displays the following message: `Bluetooth call.` You can cancel or end the call using Konftel 800.

Ensure that Konftel 800 and your mobile device are in paired and connected state.

- To cancel the call before the other person answers, tap the **Hang Up** icon.
- To end an ongoing call, tap the **Hang Up** icon.

Related tasks
Pairing and connecting Bluetooth devices on page 44

TELEPHONY OPERATIONS

PHONE BOOK

You can make and manage phone calls using a phone book. Konftel 800 supports connection to an external phone book using the Lightweight Directory Access Protocol (LDAP). With the phone book feature enabled, you can search and use the contact information stored in a remote company directory.

The phone book is available in the **Dialpad** view of the phone interface and in the **Add Participant** viewer. It can contain thousands of contacts.

The administrator must activate and configure the LDAP feature for Konftel 800 to make your phone book available.

Searching for a contact

Use this procedure to search for a contact from your phone book with Konftel 800.

⇨ On the phone screen, tap the **Call** icon.

    The **Dialpad** view opens.

⇨ Tap the **Contacts** icon.

⇨ In the search field, start typing the name of the contact.

    The phone immediately sends the search request when you stop typing letters, press **Enter** or minimize the keyboard.

    The phone displays the maximum hits found for your search request.

⇨ Choose the contact from the list and open the contact card.

⇨ Optional: Do one of the following:

- View the contact card
- Make a call to the contact

If the search is unsuccessful, Konftel 800 shows the following message: `No Match Found`. You can try to find the contact again by typing the name differently.

Making a call to a contact

Use this procedure to make a call to a contact from your phone book with Konftel 800.

The administrator must activate and configure the LDAP feature for your Konftel 800.

⇨ On the phone screen, tap the **Call** icon.

The **Dialpad** view opens.

⇨ Tap the **Contacts** icon.

⇨ Choose the contact from the phone book.

⇨ Select the number for your phone to dial if there are more than one number available in the contact card.

⇨ Tap the selected phone number.

The phone starts dialing the contact number.

Viewing a contact card

Use this procedure to view a contact card from your phone book with Konftel 800.

Conduct the contact search procedure and get the hits for your search request.

⇨ Click a contact from the list on the screen.

The phone displays the contact card with the contact details available. The information fully depends on the configuration of the **Number attributes** by the administrator.

The contact card may contain the following contact details:

- Work phone
- Home phone
- Mobile phone (or several mobile phone numbers)
- Fax
- Other details that the administrator configured for the LDAP database.

⇨ Optional: Select the phone number you need and proceed with a call.

⇨ Optional: Repeat the contact search procedure to find a contact card.

CALL TRANSFER

Konftel 800 supports the **Call Transfer** feature for you to direct an ongoing phone call to another person. The transfer can be attended or unattended.

The **Attended Transfer** is when you notify the transfer target person of the transfer. If the person accepts the call, then the phone transfers it over to the transfer target.

The **Unattended Transfer** is when you do not notify the transfer target person of the transfer. The phone automatically transfers the call when you dial the required phone number.

TELEPHONY OPERATIONS

ⓘ The **Call Transfer** feature is available only for the regular phone calls and not for the conference calls.

Making an attended transfer

Use this procedure to transfer a call to another extension after consultation with the transfer target person.

Make sure you are on an active call.

⇨ Tap the ⟩ icon.

The phone displays the side menu. This menu shows the contact number for the transfer, the **Attended Transfer** and **Unattended Transfer** buttons.

The other person is on hold during the transfer procedure.

⇨ Tap the **Attended Transfer** button.

The phone opens the **Transfer Call** view.

⇨ Do one of the following:

- Dial the number of the transfer target manually.
- In the **Contacts** or **Recent** tab, select the number of the transfer target.
- To return to the initial call, tap **Back to Call** on the top of the screen. In this case, start the procedure from the beginning to transfer the call.

⇨ Tap the **Transfer** button.

The call transfer target phone starts ringing.

⇨ Wait for the transfer target to answer, explain the reason for calling, and do one of the following:

- To transfer the call, tap **Transfer**.
- To drop the call with the transfer target and return to the initial call, tap **Cancel**.

⇨ To end the call, tap **Hang up**.

Making an unattended call

Use this procedure to transfer an active call without consultation with the transfer target.

Make sure you are on an active call.

⇨ Tap the ⟩ icon.

The phone displays the side menu. This menu shows the contact number for the transfer, the **Attended Transfer** and **Unattended Transfer** buttons.

⇨ Tap **Unattended Transfer**.

The phone opens the **Transfer Call** view.

⇨ Do one of the following:

- Dial the number of the transfer target manually.
- In the **Contacts** or **Recent** tab, select the number of the transfer target.
- To return to the initial call, tap **Back to Call** on the top of the screen. In this case, start the procedure from the beginning to transfer the call.

⇨ Tap the **Transfer** button.

The phone transfers the call to the transfer target.

CALLER INFORMATION PRESENTATION

Konftel 800 displays the calling person information. For example, you can see the contact name or phone number. This information is available on the **Incoming Call**, **Active Call**, and **Recent Call List** screens.

The phone can show the following data:

- Caller name: Usually specifies the contact name.
- Caller ID: Usually specifies the caller phone number.

If the server does not provide the caller ID, the phone displays `Unknown`.

SETTINGS CONFIGURATION AND MANAGEMENT

CONFIGURATION OF KONFTEL 800

You can configure the settings directly on Konftel 800 and through the web interface. The basic settings, such as the phone name, language, key tone, startup sound, and ring level, can be modified by any user. To configure other settings you need to login as the administrator.

ⓘ The web interface is accessible with the administrator password only. For security reasons, you can set the administrator password only on the phone.

Viewing the IP address

View the IP address of your Konftel 800. Use this address to log into the web interface of the conference phone and manage the settings in the device through the web browser.

⇨ On the phone screen, tap **Settings**.

⇨ Tap **Status** or the ⟩ icon.

The phone displays the following hardware details:

- **IP Address**
- **MAC Address**
- **Bluetooth MAC Address**
- **Hardware Revision**
- **Software Version**
- **Smart Mic 1 Version**
- **Smart Mic 2 Version**

⇨ Tap the ⟨ icon twice to return to the home screen.

Setting the password for Konftel 800

Use this procedure to set the password for your Konftel 800 when you first activate the phone or after a reset to the factory settings.

Connect the PoE cable to ensure the phone power supply.

⇨ Wait for the following message to appear on the phone screen:

```
For full functionality, please set administration password.
```

SETTINGS CONFIGURATION AND MANAGEMENT

⇨ Tap **Yes** to set the password.

⇨ Optional: Tap **Skip** to avoid setting the password.

In this case, Konftel 800 will be functioning in the administration mode, and you will be able to configure settings on the phone. However, you will not be able to access the web interface.

⇨ Using the keyboard on the phone screen, type your password. It can contain letters, numbers, and special characters.

The password must contain at least 4 characters. As you enter the password, the phone informs if the password has acceptable length.

⇨ Type the password again to confirm it.

⇨ Tap the 〈 icon three times to return to the home screen.

The phone reboots.

Changing the password

As an administrator, you can change the administrator password using the phone.

⇨ On the phone screen, tap **Settings** > **Admin Login**.

⇨ Enter your administrator password.

The **Settings** menu in the full functionality mode opens.

⇨ In the **Settings** menu, tap **Phone** > **Admin Password**.

The **Change Password** menu opens.

⇨ In the **Enter new password** field, enter the new password.

The password must contain at least 4 characters. As you enter the password, the phone informs if the password has acceptable length.

⇨ In the **Confirm new password** field, enter the new password again to confirm.

The phone informs if the password matches the one you entered in the **Enter new password** field.

⇨ Tap the 〈 icon three times to return to the home screen

The phone changes the password and reboots.

Logging in to the web interface of Konftel 800

Use this procedure to log in to the web interface of your Konftel 800. You can access the web interface only if you set the administrator password for your phone.

SETTINGS CONFIGURATION AND MANAGEMENT

ⓘ Konftel 800 officially supports only the Google Chrome browser.

  The phone supports only HTTPS communication protocol.

Obtain the IP address and the administrator password for the phone.

⇨ On the web browser, type the IP address of your phone in the following format:

  `https://111.222.33.44/`.

⇨ Enter password in the **Password** field.

  The password is the administrator password for your phone.

⇨ Click **Login** to log in to the web server of your Konftel 800.

Related tasks
Viewing the IP address on page 29
Setting the password for Konftel 800 on page 29

Logging out from Konftel 800

Use this procedure to log out from the web server of your Konftel 800 from your web browser.

You must be logged in to the web interface of your conference phone.

On the web browser, click **Logout**.

You are forwarded to the **Login** page and see the prompt that you are not logged in.

CONFIGURATION OF THE BASIC SETTINGS

You can configure the basic settings directly on Konftel 800 or through the web interface.

Any user can configure the following basic settings of Konftel 800:

- **Phone Name**
- **Language**
- **Ring Level**
- **Key Tone**
- **Startup Sound**

To configure other basic and advanced settings you must log in as the administrator.

SETTINGS CONFIGURATION AND MANAGEMENT

Related concepts

Configuring the phone settings on the phone

Use this procedure to configure the phone settings on the phone.

⇨ On the phone screen, tap **Settings** > **Phone**.

⇨ Choose the parameter that you want to configure and proceed to the options available.

You must log in as the administrator to change the password, set time settings, choose the Daisy Chain mode or reset the phone to factory settings.

⇨ After you made the choices, return to the home screen.

Depending on what parameters you change, the phone restarts the application or reboots.

Configuring the settings through the web interface

Use this procedure to configure the settings through the web interface of your Konftel 800. Note that only administrator can configure all the settings.

⇨ Log in to the web interface.

⇨ Click **Phone**.

⇨ Choose the parameter that you want to configure and proceed to the options available.

⇨ Click **Save**.

Phone settings description

The following table lists the basic settings of Konftel 800 available through the web interface in the **Phone** tab or on the phone in **Settings** > **Phone** and **Settings** > **Admin Login** > **Phone**.

Name	Description
Phone	
Phone Name	To specify the name of the phone, which is visible on the home screen when the phone is in a stand-by or on-hook mode. The default name is **Conference Phone**.

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Phone Language	To select the language. The options are: • **English**. This is the default setting. • **Swedish** • **Danish** • **Norwegian** • **Finnish** • **Italian** • **German** • **French** • **Spanish** • **Portuguese** • **Dutch** • **Simplified Chinese** The characters on the Konftel 800 keyboard match the selected language for all languages except Simplified Chinese. For Simplified Chinese, Konftel 800 uses English keyboard layout.
Security	
Allow Legacy Encryption	To enable or disable legacy encryption for backward compatibility. By default, the legacy encryption mode is disabled. ⓘ You can configure this parameter if you logged in with the administrator password.
Admin Password	To change the administrator password. ⓘ You can configure this parameter if you logged in with the administrator password. ⓘ For security reasons, you can change the administrator password only on the phone.

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Ringtone Level	To choose from six volume levels and a **Silent** mode. The default setting is **Level 4**. If you select the **Silent** mode, only the green LEDs on the phone flash when a call is received.
Key Tone	To enable or disable the key click sound as you tap the phone screen buttons. By default, the key tone is on.
Reboot Device	To reboot the phone when needed. ⓘ You can use this function only through the web interface.
Webapp Debug	To enable or disable the debugging function for the web application. It activates the web application logging available in the **System Logs** tab. By default, **Webapp Debug** is off. ⓘ You can use this function only through the web interface.
Daisy Chain	To choose a mode, in which your Konftel 800 operates in case of a daisy chain arrangement. The options are: • **Master**. This is the default setting. • **Slave** ⓘ You can configure this parameter on the phone if you log in with the administrator password. The administrator can also configure this parameter using the .xml configuration file.
Factory Reset	To reset the phone to its factory settings. By resetting the phone to its factory settings, you remove all the configurations set, imported and installed in course of the phone use. ⓘ You can do the factory reset only if you log in with the administrator password and only on the phone.

Table continued…

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SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Startup Sound	To enable or disable the phone's branded startup sound. By default, the startup sound is on. ⓘ The change of this setting does not require a restart or reboot of the phone.
Time and Region	
NTP Enable	To enable or disable the Network Time Protocol (NTP). By default, NTP is enabled. ⓘ You can configure this parameter if you logged in with the administrator password.
NTP Server	To specify the NTP server when NTP is enabled. By default the phone uses the following NTP server: `0.pool.ntp.org`. ⓘ You can configure this parameter if you logged in with the administrator password.
Date	To set the current date. ⓘ You can set the current date manually only if NTP is in disabled state. Specify the date by doing the following: • Manually enter the date in the field by clicking the day, month, and year to change the value. • Select a date from the date picker. ⓘ You can use this function only through the web interface.

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Date Format	To set the date format. The following date formats are available: • `dd M, D` - Date, short name for the month and day of the week. For example, *10 Jan, Mon*. • `dd MM, DD` - Date, full name for the month and day of the week. For example, *10 January, Monday*. • `M dd, D` - Short name for the month, date, and short name for the day of the week. For example, *Jan 10, Mon*. • `MM dd, DD` - Full name for the month, date, and full name for the day of the week. For example, *January 10, Monday*. • `D, dd M` - Short name for the day of the week, date, and short name for the month. For example, *Mon, 10 Jan*. • `DD, MM dd` - Full name for the day of the week, full name for the month, and date. For example, *Monday, January 10*. • `dd/mm/yy` - Date/month/short numerical designation of the year. For example, *10/01/20*. • `dd/mm/yyyy` - Date/month/full numerical designation of the year. For example, *01/10/2020*. • `mm/dd/yy` - Month/date/short numerical designation of the year. For example, *01/10/2020*. • `mm/dd/yyyy` - Month/date/full numerical designation of the year. For example, *01/10/2020*. • `yy/mm/dd` - Short numerical designation of the year/month/date. For example, *20/01/10*. • `yyyy/mm/dd` - Full numerical designation of the year/month/date. For example, *2020/01/10*. You can also leave the **Default** format of the date. In this case your Konftel 800 applies the date format that is standard for the selected language. For example, if your selected language is **Finnish**, the date format is `dd.mm.yyyy`. ⓘ You can configure this parameter only through the web interface. The administrator can also configure this parameter using the .xml configuration file.

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Time	To set the current time.
	ⓘ You can set the time manually only if NTP is in disabled state.
	See the time on the home screen of the phone.
	Set the time by doing the following:
	• Manually enter the time value in the field by clicking the hours, minutes, and seconds to change the value.
	• Select the time from the time picker.
	ⓘ You can use this function only through the web interface.
Time Format	To set the time format.
	When you select the language, the time format automatically changes to the standard time format for the chosen language. You can manually change the convenient time format.
	The following time formats are available:
	• **Default**
	• **12 hours**
	• **24 hours**
	ⓘ You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.
Geo Timezone (auto DST)	To enable or disable the Daylight Saving Time (DST) mode based on the selected geographical timezone.
	By default, DST is disabled.
	ⓘ You can use this function only through the web interface.

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Timezone	To specify a timezone and minute offset. The available timezone is based on **Geo Timezone (auto DST)** being enabled or disabled. With **Geo Timezone (auto DST)** disabled, the phone sets the time as a difference with the Coordinated Universal Time (UTC). You can specify the minute offset for the selected UTC time zone. The possible minute offset values are 0, 15, 30, and 45. With **Geo Timezone (auto DST)** enabled, the phone specifies the timezone based on the country and the city observing the DST. The default setting is UTC. ⓘ You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.
Custom DST	To enable or disable the custom DST mode. If **Geo Timezone (auto DST)** is enabled, **Custom DST** is automatically disabled. You can use the custom DST functions only with the enabled **Custom DST**. ⓘ You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.
Custom DST Settings	
Offset Hours	To specify the time in hours between the standard time and the DST. The values are 1 and 2. The default setting is 1.
Start Month	To select the month when to apply **Offset Hours**.
Start Day Mode	To select the day mode when to apply **Offset Hours**.
Start Day	To select the day when to apply **Offset Hours**.
Start Hour	To select the hour when to apply **Offset Hours**.

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Stop Month	To select the month when to stop applying **Offset Hours**.
Stop Day Mode	To select the day mode when to stop applying **Offset Hours**.
Stop Day	To select the day when to stop applying **Offset Hours**.
Stop Hour	To select the hour when to stop applying **Offset Hours**.

After you click **Save** in the web interface, the phone saves the changes and restarts the application or reboots, depending on what parameters you changed. To save changes on the phone, you must return to the home screen, and the phone restarts the application or reboots to apply them.

Daylight Saving Time

Together with the UTC timezones, Konftel 800 supports the Daylight Saving Time (DST) feature, which advances the clock during the specified period of time. Activate this feature manually through the web interface by enabling **Custom DST**. The **Custom DST** settings card provides for defining a required transition date.

Configuring Daylight Saving Time through the web interface

Use this procedure to configure DST offset through the web interface.

ⓘ When you use the DST start parameters, enable the comparable DST stop parameters.

⇨ Log in to the web interface.

⇨ Click **Phone**.

⇨ Enable **Custom DST**.

⇨ In the **Offset Hours** field, specify the time in hours between the standard time and the period when the DST parameter is active.

The values are 1 and 2. The default setting is **1**.

⇨ In the **Start Month** field, select the month to apply the DST offset.

⇨ In the **Start Day Mode** field, select the day mode to apply the DST offset.

⇨ In the **Start Day** field, specify the day to apply the DST offset.

The value range depends on the selected **Start Day Mode**. For example, if you select **Day of month** as the day mode, the value range is from 1 to 31.

The value range for the weekday is from 0 to 7. Note that in this case, **0** and **7** mean Sunday.

When **Start Day Mode** is 0, the start day is a day of the month. In case of other values, the day is a day of the week: 1 is Monday, 5 is Friday. If **Start Day Mode** is 2 and **Start Day** is 5, you define the second Friday in the month.

The values -1 to -5 show a weekday in the month from the month end. If **Start Day Mode** is -1 and **Start Day** is 5, this is the last Friday in the month.

⇨ In the **Start Hour** field, specify the hour to apply the DST offset.

⇨ In the **Stop Month** field, select the month to stop applying the DST offset.

⇨ In the **Stop Day Mode** field, select the day mode to stop applying the DST offset.

⇨ In the **Stop Day** field, specify the day to stop applying the DST offset.

The value range depends on the selected **Stop Day Mode**. For example, if you select **Day of month** as the day mode, the value range is from 1 to 31.

⇨ In the **Stop Hour** field, specify the hour to stop applying the DST offset.

⇨ Click **Save**.

Configuring the minute offset through the web interface

Use this procedure to configure the minute offset through the web interface.

Konftel 800 supports the minute offset of the specified UTC time zone. You can set the UTC time zone offset to 0, 15, 30, or 45 minutes.

⇨ Log in to the web interface.

⇨ Click **Phone**.

⇨ In the **Time and Region** section, disable **Geo Timezone (auto DST)**.

⇨ In the **Timezone** field, configure the following:

    a) In the first drop-down list, select the UTC time zone.

    b) In the second drop-down list, select the minute offset for the specified UTC time zone.

⇨ Click **Save**.

Time format

Konftel 800 supports various time formats so that the user get the convenient time presentation.

The following values are available for the time format parameter:

• **hh:mm** - Konftel 800 shows time using the 24-hour clock approach.

SETTINGS CONFIGURATION AND MANAGEMENT

- **hh:mm AP** - Konftel 800 shows time using the 12-hour clock approach.
- **Empty value** - Konftel 800 shows the standard time format for the selected language.

CONNECTIVITY

CONNECTION TO OTHER DEVICES

Konftel 800 is based on a multi-connectivity platform and can be connected to a personal computer, a deskphone, and mobile devices.

You can connect Konftel 800 to other Bluetooth devices by establishing Bluetooth LE or Bluetooth Classic connection between the phone and any such device. The NFC tag ensures easy pairing and quick reconnection between Konftel 800 and a mobile device with Konftel Unite application installed.

You can connect up to two expansion microphones to your Konftel 800 by using the available audio expansion ports. You can also connect up to three conference phones in a daisy chain to expand the phone coverage.

USB CABLE CONNECTION

You can connect Konftel 800 to a personal computer, a deskphone, or other devices using a Micro-USB Type B cable. When connected through the micro-USB port, Konftel 800 serves as a full duplex, echo cancellation and noise reduction device.

Connection to a personal computer or a deskphone

You can connect your Konftel 800 to a personal computer or a deskphone by using a USB cable.

The connected device normally uses the phone as a speaker and a conference unit. When the computer starts communication software or audio recording software, the microphone on the phone is also activated. At the same time, the green LEDs on the phone light up.

Connecting to a personal computer or a deskphone

Use this procedure to connect your Konftel 800 to a personal computer or a deskphone with a cable. When connected, the phone becomes an echo-cancelling device. This connection ensures better sound quality that can be manually adjusted in the appropriate applications on the PC.

Prepare USB micro Type B receptacle for connection purposes.

⇨ Use the USB cable to connect the phone and the computer.

The Konftel 800 screen shows that the USB is connected.

⇨ Optional: Access the computer settings and select the phone as the audio device. The computer operating system automatically selects the phone as a speaker and microphone.

⇨ Optional: Restart the software to switch to the new audio device if the computer has active software that is using built-in speakers of the computer.

Managing VoIP calls through a PC

Use this procedure to manage VoIP calls through a personal computer or a laptop. The phone functions as a speaker and microphone for the PC.

If you receive an incoming VoIP call during an active USB call, the phone indicates the incoming call with a ring tone and LEDs flashing.

- Turn on the PC.
- Connect Konftel 800 with the USB receptacle to the PC.
- Select Konftel 800 as the audio device in the computer settings.
- Run the VoIP software.

⇨ In the VoIP software, select the contact to call.

⇨ Dial the number and talk to your contact.

⇨ End the call in the computer VoIP software.

The phone functions as a speaker for the computer.

BLUETOOTH CONNECTION

Konftel 800 can establish wireless communication over Bluetooth with devices equipped with Bluetooth connectivity, such as mobile phones, tablets, or computers. With Bluetooth, you can use the phone as a speakerphone for call handling, or as an audio receiver for audio streaming.

The following table lists the Bluetooth technologies that Konftel 800 supports:

Bluetooth technology	Konftel 800 icon	Functionality
Bluetooth LE	⌒	To connect to a mobile device with Konftel Unite application installed on it. For more information, see Konftel Unite on page 48. This is the default mode.

CONNECTIVITY

Bluetooth technology	Konftel 800 icon	Functionality
Bluetooth Classic	✱	To connect to Bluetooth devices, such as mobile phones, tablets, and personal computers, for call handling or audio streaming. ⓘ To use the Bluetooth Classic functionality on Konftel 800, your Bluetooth device must support Hands-Free Profile (HFP) and Advanced Audio Distribution Profile (A2DP).

Konftel 800 has a modified Pulse-code modulation (PCM) bus installed. This provides for a better audio transmission compared to the previous releases of the phone.

ⓘ You cannot use Bluetooth LE and Bluetooth Classic connection simultaneously.

If you connect Konftel 800 to a Bluetooth device, you cannot connect it to a mobile device with the Konftel Unite application until you end the connection to the Bluetooth device.

If you connect Konftel 800 to a mobile device using the Konftel Unite application, you cannot connect it to another Bluetooth device until you end the connection to Konftel Unite.

Switching between the Bluetooth modes

The default mode is Bluetooth LE. To switch to Bluetooth Classic, you must pair and connect Konftel 800 to a Bluetooth device. When you select the Bluetooth Classic mode, the phone turns off Bluetooth LE. If there is no Bluetooth Classic connection, the phone switches back to Bluetooth LE after a timeout.

In case of a successful Bluetooth Classic connection, Konftel 800 restores the Bluetooth LE mode when you end the Bluetooth Classic connection.

Pairing and connecting Bluetooth devices

To enable Bluetooth communication between Konftel 800 and another Bluetooth device, you must pair the two devices and ensure that they are in a connected state. The devices stay in a paired state until you remove the pairing.

ⓘ You can connect only one device supporting Bluetooth at a time.

CONNECTIVITY

⇨ On the Konftel 800 screen, tap **Settings** > **Bluetooth** > **Pair with device**.

The LEDs start flashing blue, and the phone displays the following message: `This phone is now discoverable as "<Phone Name>".`

The time-out value for discoverable mode is 120 seconds.

⊙ Tap **Cancel** to cancel pairing, for example, if you do not want to make the phone discoverable. In this case, you return to the **Bluetooth** menu.

⇨ On your Bluetooth device, find Konftel 800 in the list of devices available for Bluetooth connection and tap the phone name.

Konftel 800 establishes the connection with the Bluetooth device and displays the Bluetooth icon and one of the following messages:

- If Konftel 800 retrieves the device name from your Bluetooth device, it displays `Connected to <your Bluetooth device name>`. For example, `Connected to My Smartphone`.
- If Konftel 800 does not retrieve the device name from your Bluetooth device, it displays `Connected to <your device Bluetooth address>`. For example, `Connected to 00:11:22:33:FF:EE`.

ⓘ Konftel 800 is not visible in the Konftel Unite application while the conference phone and the Bluetooth device are in the connected state.

Related concepts

Connection between paired Bluetooth devices

Connection

After you pair Konftel 800 and your Bluetooth device, the two devices establish the connection.

Disconnection

The connection ends if you manually disconnect Konftel 800 from the Bluetooth device or if the distance between the devices does not allow to maintain the communication.

When the Bluetooth device ends the connection, Konftel 800 displays the following message: `Disconnected` and then stops displaying the Bluetooth icon.

Reconnection

You can reconnect your Bluetooth device to Konftel 800 if the two devices are in a paired state. You can reconnect Konftel 800 to the paired Bluetooth device only from the paired Bluetooth device.

CONNECTIVITY

Disconnecting Bluetooth devices

You can disconnect Konftel 800 from your Bluetooth device.

When you end the connection between Konftel 800 and your Bluetooth device, the two devices remain in the paired state.

ⓘ Disconnecting the devices using this procedure does not affect the connection to Konftel Unite.

Ensure that Konftel 800 and the Bluetooth device are in the connected state.

⇨ Tap **Settings** > **Bluetooth** > **Disconnect Device**.

The phone displays the following question: `Disconnect device <Bluetooth Device Name>?`

If Konftel 800 and the Bluetooth device are not paired and connected, the phone displays the following message: `Not connected`.

⇨ Tap **Ok** to confirm disconnection.

Konftel 800 displays `Disconnected` and then stops displaying the Bluetooth icon.

✪ To cancel the disconnection, tap **Cancel**.

Removing Bluetooth pairing

Use this procedure to remove the pairing between Konftel 800 and your other Bluetooth device to delete unwanted pairings.

Konftel 800 also deletes the Bluetooth pairing information when the phone administrator resets the phone to factory settings or performs the system recovery.

ⓘ Removing Bluetooth pairing as described below does not affect Konftel Unite pairing information.

Ensure that Konftel 800 and the Bluetooth device are in the paired state.

⇨ Tap **Settings** > **Bluetooth** > **Remove pairing**.

The phone displays the following question: `Do you want to remove all Bluetooth pairing information from the phone?`

⇨ To confirm that you want to delete the Bluetooth pairing information, tap **Ok**.

The phone restarts the application to apply the changes.

CONNECTIVITY

BRIDGE CONNECTION

Konftel 800 supports bridging all connected devices within the external dial-in conference calls. You can connect Konftel 800 to SIP server using Ethernet and also connect Konftel 800 to a laptop, a deskphone or a PC using USB. Konftel 800 can bridge all these connections together into a combined call.

When bridging your computer and the phone, you must activate both sources of sound. Konftel 800 can handle full duplex, echo cancellation, and noise reduction for all bridged sound sources simultaneously. The sound from the bridged computer and SIP call can have different levels. To hear all participants of the conference call clearly, adjust each sound source individually.

ⓘ

Konftel 800 does not support bridging of Bluetooth calls with SIP and USB calls.

PHONE MANAGEMENT APPLICATION

KONFTEL UNITE

You can manage your Konftel 800 from a mobile phone or a tablet if you have Konftel Unite installed on the device. Download and install Konftel Unite free from App Store and Google Play like any other application. Use the NFC tag to easily start downloading the application. For that, you must bring the mobile device with the NFC enabled to the NFC tag on the conference phone, and the web browser on the mobile device opens the web page with the application in App Store or Google Play.

With Konftel Unite, you can call contacts from your local address book, create conference groups, and control a call. For example, answer and hang up the call, mute and unmute the microphone, dial a number, adjust the volume level, and hold and resume the call.

The mobile device with Konftel Unite is connected to the phone over the built-in Bluetooth LE. Konftel 800 is always discoverable for this connection.

Starting from R 1.0.4, Konftel 800 uses SHA256 method for challenge-response authentication to connect to Konftel Unite.

ⓘ If your conference phone fails to connect to Konftel Unite, you must download a newer version of the application from App Store or Google Play. It works both with R 1.0.4 and earlier released firmware.

Configure Konftel Unite parameters on the phone and from the mobile device with the application installed.

Pairing and connecting devices

Use this procedure to pair your Konftel 800 with Konftel Unite on your mobile device the first time when you use them together. After that, they connect with one touch when you run the application near the conference phone.

The connection range is up to 20 meters. The connection breaks if this range is exceeded. You see a request to reconnect when Konftel Unite is within the range of Konftel 800. Reconnection requires only one touch.

ⓘ You can pair up to 100 mobile phones or tablets with your Konftel 800. But only one user connection is active at a time.

Install Konftel Unite on your mobile device.

⇨ On your mobile device, open Konftel Unite.

PHONE MANAGEMENT APPLICATION

The mobile phone displays the closest Konftel 800.

⇨ To select the phone you want to connect, perform one of the following actions:

- If your mobile device displays Konftel 800 you want to connect, tap **Connect** on the mobile device screen.
- If your mobile device does not display Konftel 800 you want to connect, tap **Skip** and then tap the connection symbol in the upper left corner of your mobile device screen.

  The mobile device displays the list of available conference phones.

The mobile phone displays a pairing code for about 30 seconds.

⇨ Enter the code with the keypad on the conference phone.

⇨ Tap **Enter** on the conference phone to start pairing.

When the devices are paired, both Konftel Unite and Konftel 800 display the connection symbol.

The conference phone and Konftel Unite remain paired while they are close to one another.

ⓘ You cannot connect Konftel 800 to a Bluetooth device for call handling or audio streaming while the Konftel Unite connection is active.

Disconnecting devices

Use this procedure to disconnect your Konftel 800 from the mobile device with Konftel Unite installed.

Ensure that Konftel 800 is connected to a mobile device with Konftel Unite installed.

- To disconnect from the mobile device, do the following:
  a) In Konftel Unite, tap the connection symbol in the upper left corner of the screen.
  b) Optional: Under **Change device**, select another conference phone to connect to.

     You can do it if there are other conference phones available nearby.

     The application starts connecting to the selected conference phone.
  c) Tap the **Disconnect** button near the highlighted connected device name.

     The connection symbol in the upper left corner of the screen becomes inactive.
- To disconnect from Konftel 800, do one of the following:

  - Tap **Konftel Unite** > **Disconnect Device**.

PHONE MANAGEMENT APPLICATION

- Tap **Settings** > **Konftel Unite** > **Disconnect Device**.

The phone displays the following question: `Disconnect device <Device Name>?`

To confirm, tap **Ok**.

The phone shows the Konftel Unite icon and informs that the application is disconnected.

Deleting pairing

Use this procedure to delete the pairing between the conference phone and the mobile device. You can delete the paring only from the conference phone.

Pair Konftel 800 with a mobile device with Konftel Unite.

⇨ To delete the pairing from the conference phone, on the home screen, do one of the following:

- Tap **Konftel Unite**.
- Tap **Settings** > **Konftel Unite**.

⇨ Tap **Remove Bonding Information**.

⇨ Tap **Ok** to confirm removal of all bonding information from the device.

This function both disconnects the current connection and deletes the pairing. You must start a new pairing process the next time you want to connect to the phone.

Checking the calendar and scheduled events

Use this procedure to check your calendar on your mobile device with Konftel Unite installed. Then you can arrange calls with the paired Konftel 800 and Konftel Unite.

You must allow your mobile device with Konftel Unite to connect to your calendar and agenda.

⇨ On your mobile device, open Konftel Unite.

⇨ Tap the **Calendar** icon.

The mobile phone shows all calendar events on the screen. Some of these events are meeting invitations with the meeting information included. In the **Overview** tab, you see the time, duration, and title of the meeting. In the **Participants** tab, the application shows the list of persons invited to the meeting.

⇨ Select a conference call from the list.

PHONE MANAGEMENT APPLICATION

The mobile phone displays an overview and a list of other participants of the conference call. Konftel Unite finds the phone numbers, PIN codes, and meeting links in the calendar.

Participating in a conference call from the calendar

Use this procedure to participate in a conference call from the calendar accessible with Konftel Unite.

Your calendar must contain an invitation to a conference call. The contact information in the conference invitation must comply with the E164 international phone number standard. This guarantees that Konftel Unite interprets the information correctly.

⇨ After you receive a notification about the upcoming conference call on your mobile device, open Konftel Unite.

   The application finds the closest Konftel 800.

⇨ In the conference room, pair Konftel Unite and Konftel 800.

⇨ Connect to the meeting from the mobile device by tapping the conference in the calendar.

   Konftel Unite dials the phone number and enters the PIN code from the conference call invitation.

Starting an unscheduled call

Use this procedure to start a call that is not scheduled in the calendar. You will have complete control over Konftel 800 during the call from your mobile device with Konftel Unite installed.

Ensure that Konftel 800 is paired with Konftel Unite.

⇨ Do one of the following to choose a number to call:

   • Select a number from your **Contacts** list.
   • Select a number from your **Favorites** list.
   • Select a number from the your recent calls list.
   • Dial a number using the keypad.

   The phone dials the number, and the call starts. The screen displays the name and the number of the person called.

⇨ Optional: Do one or more of the following:

   a) Adjust the volume on the screen of you mobile device by moving the **Volume up** slider.
   b) Add additional participants by tapping the **Add Participant** icon.

c) Split the conference call to separate calls by tapping **Split**.

d) Mute the microphone by tapping **Microphone Muted**. To unmute, tap **Microphone Muted** again.

e) Enter Dual Tone Multi Frequency (DTMF) digits by tapping **Keypad**.

f) Put the call for any participant on hold by tapping **Arrow down** > **Hold**.

g) Talk to any participant in private by tapping **Arrow down** > **Talk Private**.

h) Disconnect any participant from the call by tapping **Arrow down** > **Hang Up**.

⇨ To end the call, tap the **Hang Up** icon.

Managing contacts

Use this procedure to manage contacts with Konftel Unite.

⇨ On your mobile device, open Konftel Unite.

⇨ Tap the **Contacts** icon.

⇨ To add a contact to your favorite contacts list, tap the **Contacts** tab and press the star symbol near the selected contact.

⇨ To open a list of your favorite contacts, tap **Favorites**.

⇨ To create a new conference group in the phone book, tap **Groups** > **Plus** on the screen.

Configuring the Konftel Unite settings

Use this procedure to configure the Konftel Unite settings from the application installed on a mobile device.

⇨ Run Konftel Unite on your mobile device.

⇨ Optional: Connect to Konftel 800.

The phone displays a connection symbol on the screen.

⇨ Tap **Settings** and proceed with configuration.

Konftel Unite settings

The following table lists the parameters for Konftel 800, which you can set from the Konftel Unite interface:

PHONE MANAGEMENT APPLICATION

Name	Description
Connection	To enable or disable the connection to Konftel 800. The options are: • On: The default option. • Off: To use Konftel Unite without connection to any Konftel 800. You can use the conferencing application from your mobile device within your mobile phone subscription.
Moderator code	To join the scheduled conference calls as a moderator. You must enter respective codes in the following fields: • **Use moderator code**: To host conference calls over a bridge service. For every call you join, Konftel Unite uses your moderator code instead of your guest code. • **Instead of guest code**: To specify the guest code instead of which Konftel Unite uses your moderator code.
Dial prefix	To enter the prefix digits in the **Use prefix** field.
My bridge	To enter the phone number and optional PIN code of the most frequently used conference service. You can use the **My bridge** button to join the conference call. The **My bridge** button appears in the calendar view.
Meeting notification	To set a reminder about a call. The options are: • **5 minutes before** • **10 minutes before** • **15 minutes before** • **Never**
Calendars to show	To select the calendars in the mobile phone from which you want Konftel Unite to take the information.

Table continued…

PHONE MANAGEMENT APPLICATION

Name	Description
Tell a colleague	To share information about Konftel Unite with a person that you want. You can do it by using an email application.
	After you confirm that Konftel Unite can access your email application, you see a message created. Along with the description of the application, it contains links to Konftel Unite in App Store and Google Play so that the person can easily start the download.
Read more about Konftel Unite	To get additional information about Konftel Unite. The application forwards you to the web site with the corresponding information.
Feedback and support	To share your experience of using the application and request for support. The options are:
	• A messenger, for example, Viber, WhatsApp, Telegram, and so on. • An email application. • Connection by Bluetooth.
Diagnostics	To select a log of the events for Konftel Unite.
	You can send the created log by tapping **Send** through an email application. The log can be used in troubleshooting.
	You can also delete the logs from the application by tapping **Clear**.
Show tutorial	To read information about Konftel Unite features.
About Konftel Unite	To check the version of the application installed on your mobile device.

FEATURES AND ACCESSORIES

EXPANSION OF THE PHONE COVERAGE

Use your Konftel 800 on larger conference tables or when the number of a meeting participants is greater than 10. In this case you can ensure high-level quality of audio signal by expanding the phone coverage in the room without a PA system. Do it by connecting Smart Mic expansion microphones to the phone or by cascading several Konftel 800 devices in a daisy chain.

Expansion of the phone coverage helps to improve the audio quality in large rooms. The conference phone and two Smart Mics increase the capture range from 30 square meters to up to 70 square meters. Three phones in a daisy chain increase the range from 30 square meters to up to 90 square meters.

Expansion coverage arrangement

Arrange a daisy chain with your conference phone and another Konftel 800 or connect Smart Mic expansion microphones. The maximum number of devices connected in a daisy chain is 3. One Konftel 800 phone acts as a central device (a "master") and one or two other units act as expansion devices ("slaves").

The typical arrangements when the phone's coverage is expanded are the following:

- Master phone — Slave phone
- Slave phone — Master phone — Slave phone
- Master phone — Expansion microphone
- Expansion microphone — Master phone — Expansion microphone
- Expansion microphone — Master phone — Slave phone

Functions of the Master and Slave devices

When Konftel 800 acts as a master, it performs all its configured functions.

When Konftel 800 is in a subordinate position (a "slave"), it performs the following functions:

- Play audio received from the master device. The master phone defines the audio characteristics.
- Send its microphone audio to the master device.
- Receive and indicate mute state changes made on the master device.
- Send information to the master device, when you tap **Microphone Muted**.
- Send information to the master device when you adjust the volume on it.

ⓘ You cannot make calls between the Master and the Slave devices.

FEATURES AND ACCESSORIES

In a daisy chain, the Slave device follows the signal from the Master device to enter the sleep mode or the active mode.

In a daisy chain, each phone is powered by its own PoE injector. The phone powers the Smart Mics when these are connected. The power available from each port is around 5 W.

Arranging a daisy chain

Use this procedure to arrange a daisy chain of one master Konftel 800 phone and one or two slave conference phones or expansion microphones.

If you arrange the daisy chain made of several conference phones, prepare the connection cables. The cables in the Daisy Chain kit are 5 and 10 meters long. You can purchase the Daisy Chain kit as an accessory.

The cable of the Smart Mic is 3 m long.

⇨ Connect the cable to the audio expansion port on the phone.

There are 2 audio expansion ports on Konftel 800.

⇨ Connect the other end of the cable to the audio expansion port of the other phone.

In case of expansion microphones, the other end of the cable is fixed in the device.

Defining the mode of the phone

Use this procedure to define the mode of your Konftel 800 in a daisy chain.

* To define the mode of your Konftel 800 on the phone, do the following:
  a) Log in as the administrator.
  b) In the **Settings** menu, tap **Phone** > **Daisy Chain**.
  c) Select the required mode.

  The options are:

  * **Master**
  * **Slave**

  d) Tap ‹ three times to return to the home screen.

  The phone restarts the application to apply the changes.
* To define the mode of your Konftel 800 through the web interface, do the following:
  a) On the web interface, click **Phone**.

b) In **Daisy Chain Mode**, select the required mode from the drop-down list.

The options are:

- **Master**. This is the default mode.
- **Slave**

c) Click **Save**.

The slave unit displays the **Daisy Chain Mode** icon and the following message: `Daisy Chain`. This message remains for the period when the phone is in the slave mode within the daisy chain arrangement.

Disabling the daisy chain mode

Use this procedure to disable the Daisy Chain mode through the web interface or from the phone.

Ensure that the phone displays the **Daisy Chain** icon.

- To disable the Daisy Chain mode from the web interface, do the following:
  a) On the web interface, click **Phone**.
  b) In **Daisy Chain Mode**, select **Master**.
  c) Click **Save**.
- To disable the Daisy Chain mode from the phone, do the following:
  a) Touch the phone screen and enter the administrator password.
  b) Tap **Phone** > **Daisy Chain**.
  c) Select the **Master** mode.
  d) Tap the ‹ icon three times to return to the home screen.

  Application restarts and restores the Master status.

EXPANSION MICROPHONE FIRMWARE UPGRADE

You can upgrade the expansion microphone firmware to the Konftel 800 firmware version when your Smart Mic has an older firmware installed. Regularly updating the expansion microphone firmware to match the phone firmware ensures the best possible audio performance.

The phone suggests an automatic upgrade of the expansion microphone firmware when you connect your Smart Mic to Konftel 800. You can connect one or two Smart Mics simultaneously.

You can also initiate the expansion microphone firmware upgrade manually.

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If you connect the expansion microphone to Konftel 800 during an active call, the upgrade does not start until the call ends.

During the upgrade, the phone rejects all incoming and outgoing calls and does not activate the **Call Transfer** feature. At that Konftel 800 indicates that it is `Busy`.

Upgrading expansion microphone firmware

Use this procedure to upgrade the expansion microphone firmware when the Smart Mic and your device have different firmware installed.

Make sure Konftel 800 is in the Idle Mode.

⇨ Connect the expansion microphone to your conference phone using the available audio expansion port.

The expansion microphone LEDs flash red once.

A pop-up dialog window shows the following message: `A connected microphone needs firmware upgrade. Upgrade now?`

⇨ On the pop-up dialog window, tap **Yes** to start the upgrade.

The LEDs on the phone turn red to indicate that it is busy with the microphone upgrade. The expansion microphone LEDs start flashing green.

The phone displays the `Upgrade in progress` message and shows the upgrade progress in percentage (0%-100%).

When you connect one Smart Mic to Konftel 800, the phone shows the upgrade status for Smart Mic 2 as `N/A`.

Smart Mic 1: 10%
Smart Mic 2: N/A

⇨ Optional: To cancel the upgrade, tap **No**.

In this case, you postpone the upgrade until the phone reboots.

If the upgrade is complete, the microphone LEDs turn off, and Konftel 800 displays the following message:

Upgrade in progress
Smart Mic 1: Done
Smart Mic 2: N/A

In 10 seconds, the pop-up dialog window hides, and the phone enters the Idle mode.

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If the Smart Mic firmware upgrade fails, the microphone LEDs turn off, and the phone displays the `Smart Mic 1: Failed` message.

Upgrading two expansion microphones

Use this procedure to upgrade two expansion microphones connected to your device simultaneously.

Connect Smart Mic 1 to the first audio expansion port of your conference phone.

⇨ Connect Smart Mic 2 to your conference phone using the second audio expansion port.

The LEDs on the phone turn red to indicate that it is busy with the microphone upgrade. The Smart Mic 2 LEDs start flashing green.

A pop-up dialog window provides the expansion microphones upgrade status in the following format:

Smart Mic 1: 20%
Smart Mic 2: 10%

⇨ Optional: Terminate Smart Mic 2 upgrade by detaching the expansion microphone from the phone.

In this case, you postpone the upgrade until you connect Smart Mic 2 again.

When the upgrade is complete for Smart Mic 1 and Smart Mic 2 is still upgrading, the LED turns off on Smart Mic 1, and Konftel 800 displays the following message:

Upgrade in progress
Smart Mic 1: Done
Smart Mic 2: 86%

When the upgrade is complete for both microphones, their LEDs turn off, and Konftel 800 displays the following message:

Upgrade in progress
Smart Mic 1: Done
Smart Mic 2: Done

In 10 seconds, the pop-up dialog window hides, and the phone enters the Idle mode.

If the firmware upgrade for any of the expansion microphones fails, the microphone LEDs turn off, and the phone displays the message stating the `Failed` status of the corresponding Smart Mic.

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Terminating expansion microphone upgrade

Use this procedure to terminate the expansion microphone upgrade.

You can do it in the following cases:

- The phone has one Smart Mic 1 connected; or
- The phone has both Smart Mic 1 and Smart Mic 2 connected simultaneously.

Connect Smart Mic 1 and Smart Mic 2 to the phone and start the upgrade process for both expansion microphones.

⇨ Detach Smart Mic 2 from the phone.

Smart Mic 1 continues upgrading with the value for the upgrade progress being updated.

Smart Mic 2 upgrade dialog indicates an error and aborts the mic upgrade. Konftel 800 displays the following message:

Upgrade in progress
Smart Mic 1: 50%
Smart Mic 2: Failed

When Smart Mic 1 upgrade is complete, its LED turns off, and Konftel 800 displays the following message:

Upgrade in progress
Smart Mic 1: Done
Smart Mic 2: Failed

This message disappears in 10 seconds.

⇨ Optional: To upgrade Smart Mic 2, connect it to the conference phone and proceed with the upgrade.

Upgrading Smart Expansion Microphone manually

Upgrade your expansion microphone manually when it is convenient to you.

⇨ Hold the **Microphone Muted** button on the Smart Mic while you connect the microphone cable, and keep holding the button for 5 seconds after you inserted the cable.

When you release the button, it flashes red one time and then starts flashing green to indicate that the upgrade process has started. The LEDs on the phone turn red to indicate that it is busy with the microphone upgrade. The upgrade

process takes about 7 minutes. When the upgrade is completed, the microphone LEDs turn off.

⇨ Check the microphone version by doing one of the following:

- On the phone screen, tap **Settings** > **Status**.
- On the web interface, go to the **Status** tab.

MAINTENANCE

DEVICE STATUS

You can find the information about Konftel 800 status, including its current settings, through the web interface. This information can be useful for troubleshooting.

The following table describes the type of the information available in each of the **Status** tab sections.

Section name	Description
General	To show the status information of Konftel 800, including the following: • **Phone Name** • **Product Name** • **Build Version** • **HW Revision** • **Serial Number** • **Smart Microphone 1 Version** • **Smart Microphone 2 Version**
Network	To show the information about the network settings of the phone. You can see the following information: • **IP Address** • **MAC Address** • **Bluetooth MAC Address** • **Hostname** • **Network Mask** • **Domain** • **Gateway** • **Primary DNS** • **Secondary DNS**
SIP	To show the information about the SIP settings of the phone. You can see the following information:

Section name	Description
	• **Primary Account Status** • **Secondary Account Status** • **Fallback Account Status**
Time and Region	To show the information about the time and region settings of the phone. You can see the following information: • **NTP Status** • **Time** • **Date** • **Timezone** • **Daylight Saving Time**

ⓘ You can not change settings in the **Status** tab.

Viewing the phone status

Use this procedure to view the status and settings of Konftel 800 through the web interface.

⇨ Log in to the web interface.

⇨ Select the **Status** tab.

LICENSES

Some parts of the phone software are subject to open source license agreements. You can get the information about the use and redistribution conditions for the following:

• **BSD**. This is the Berkeley Software Distribution system for distribution of the source code to the operating system.
• **GPL v2.0**. This is the General Public License, version 2.0, which guarantees the end users the freedom to run, study, share and modify the software.
• **LGPL v2.1**. This is the Lesser General Public License, version 2.1, which is applicable to specially designated software packages of the Free Software Foundation and some other authors.

- **GFDL v1.2**. This is the GNU Free Documentation License, version 1.2, providing the freedom to copy and redistribute specific documentation.
- **GFDL v1.3**. This is the GNU Free Documentation License, version 1.3.
- **ISC**. This is the Internet Systems Consortium permissive free software license.
- **MIT**. This is the Massachusetts Institute of Technology permissive free software license.
- **OpenSSL**. This is the license to use OpenSSL being a software library for applications that secure network communications and help to identify the party at the other end.
- **PHP v3.0**. This is the license under which the PHP scripting language is released.
- **Bzip2**. This is the license to a free and open-source file compression software that compresses single files.
- **Socat**. This is the license to a relay for bidirectional data transfer between two independent data channels.
- **Libpng**. This is the license which defines the terms under which the libpng software library can be distributed.
- **Qt-Company-Commercial**. This is the license for development of proprietary software when the source code is not to be shared with third parties or there are other inconsistencies with the terms of the LGPL license.
- **TI-TSPA**. This is the Texas Instruments Incorporated license to publicly available technology and software.
- **Zlib**. This is the license which defines the terms under which the zlib software library can be distributed.
- **MPL v2.0**. This is the simple copyleft Mozilla Public License (MPL) version 2.0.

ⓘ You can get the license information only through the web interface.

Viewing licenses

Use this procedure to view the status and settings of Konftel 800 through the web interface.

⇨ Log in to the web interface.
⇨ Select the **Licenses** tab.
⇨ Select the license that you want to view from the list of licenses available.

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Konftel is a leading company within collaboration endpoint solutions. Since 1988, our mission has been to help people in businesses around the world to have meetings regardless of distance. Based on our success, we know that remote collaboration is a smooth way to save time, money and at the same time contribute to a more sustainable world. Crystal clear audio and a sharp video image are essential for efficient meetings, this is why we only focus on cutting-edge technology in our Collaboration Solutions. Our audio technology OmniSound® is built into all Konftel Conference phones and devices. The products are sold globally under the Konftel brand and our headquarter is based in Sweden. Read more about the company and our products at konftel.com.

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(((KONFTEL GET TOGETHER]