

ENGLISH

# Using Konftel 800



## Notices



Konftel AB hereby declares that this conference phone is in conformity with all the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU (RED). Please visit [www.konftel.com](http://www.konftel.com) to view the complete declaration of conformity.

 **WARNING:**

Do not expose Konftel 800 to water or moisture.

 **WARNING:**

Do not open the casing of 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 1.0.6	September 2021	<ul style="list-style-type: none"><li>• Updated <a href="#">Icons</a> on page 13 with the <b>Warning</b> icon.</li><li>• Updated <a href="#">Conference calls</a> on page 23 with the information about codecs weight in conference calls.</li><li>• Added new section <a href="#">Input validation and data type restrictions</a> on page 34.</li><li>• Updated <a href="#">Phone settings description</a> on page 39 with the description of a valid data input.</li></ul>

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Issue	Date	Summary of changes
Release 1.0.5	June 2021	<ul style="list-style-type: none"><li>• Updated <a href="#">Icons</a> on page 13 with the <b>Clear call history</b> button.</li><li>• Added new procedure <a href="#">Clearing call history</a> on page 23.</li><li>• Updated <a href="#">Logging in to the web interface of Konftel 800</a> on page 37 with the information about lockout after incorrect login attempts.</li><li>• Updated <a href="#">Phone settings description</a> on page 39 with the default phone name and FIPS mode settings.</li><li>• Added new section <a href="#">USB only user mode</a> on page 47.</li><li>• Updated <a href="#">Bluetooth® connection</a> on page 51 with the information about USB only user mode.</li><li>• Updated <a href="#">Expansion of the phone coverage</a> on page 64 with the information about disabling the unused daisy chain ports during active calls.</li></ul>
Release 1.0.4	February 2021	<ul style="list-style-type: none"><li>• Updated <a href="#">Phone settings description</a> on page 39 with the Allow Legacy Encryption settings.</li><li>• Updated <a href="#">Bluetooth® connection</a> on page 51 with information on switching between the Bluetooth® modes.</li><li>• Updated <a href="#">Konftel Unite</a> on page 56 in line with the change in MD5 usage.</li><li>• Added new section <a href="#">Expansion microphone firmware upgrade</a> on page 68.</li></ul>

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Issue	Date	Summary of changes
Release 1.0.3	October 2020	<ul style="list-style-type: none"><li>• Added new section <a href="#">Call transfer</a> on page 31.</li><li>• Added new section <a href="#">Caller information presentation</a> on page 33.</li><li>• Updated <a href="#">Phone settings description</a> on page 39 with the date, date format, time, time format, Daylight Saving Time (DST) mode, timezone and Custom DST settings.</li><li>• Added new section <a href="#">Configuring the minute offset through the web interface</a> on page 46.</li><li>• Added new section <a href="#">Time format</a> on page 47.</li></ul>
Release 1.0.2	August 2020	<ul style="list-style-type: none"><li>• Added new section <a href="#">Sleep mode</a> on page 19.</li><li>• Added new section <a href="#">Bluetooth® calls</a> on page 27.</li><li>• Added new section <a href="#">Bluetooth® connection</a> on page 51.</li><li>• Added new section <a href="#">Phone book</a> on page 29.</li></ul>
Release 1.0.1	March 2020	<ul style="list-style-type: none"><li>• Updated <a href="#">Logging in to the web interface of Konftel 800</a> on page 37 with the supported browser and communication protocol.</li><li>• Updated <a href="#">Phone settings description</a> on page 39 with key tone functionality.</li><li>• Added <a href="#">Disabling Daisy Chain mode</a> on page 67.</li><li>• Added <a href="#">Upgrading Smart Expansion Microphone manually</a> on page 71.</li></ul>

# OVERVIEW

## 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.

- Read, understand, and follow all the instructions.
- Do not drop, knock, or shake the device. 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 device 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 device. These openings are provided for ventilation, to protect the phone from overheating.
- Never push objects of any kind into this device 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.



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- Do not use the device to report a gas leak in the vicinity of the leak.
  - Do not use the device near intensive care medical equipment or close to persons with pacemakers.
  - Do not place the device 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

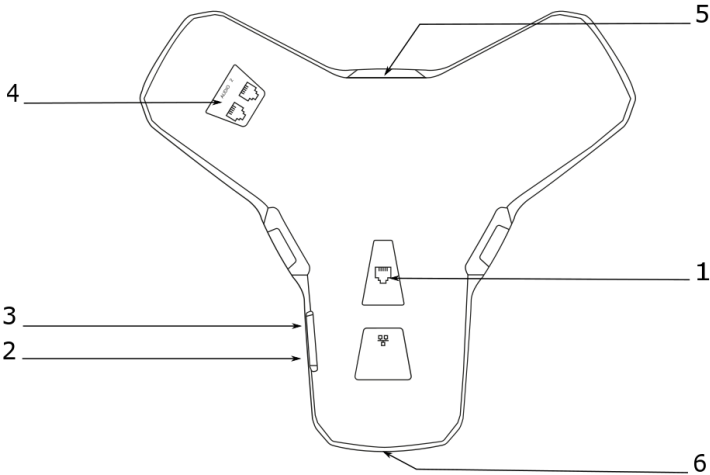


Figure 2: Connection layout of Konftel 800

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

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## ICONS













### Icons on the home screen of Konftel 800

Icon	Name	Description
	<b>Recent</b>	To check the call list. The phone provides the following information about the calls: <ul style="list-style-type: none"><li>• <b>Number.</b> View the phone number of the contact.</li><li>• <b>Date.</b> View the information when the phone received the call. This applies only to the calls preceding the current day.</li><li>• <b>Time.</b> For the current day, the phone shows the time of the call in the convenient time format.</li><li>• <b>Direction.</b> View the incoming, outgoing and missed calls.</li></ul>
	<b>Unite</b>	To access the Konftel Unite settings.
	<b>Call</b>	To dial phone numbers and codes for telephone operations or Konftel Unite connection.
	<b>Settings</b>	To check and configure the settings from the phone. View the phone status and reach the menu.
	<b>Microphone Muted</b>	To mute and unmute the phone.
	<b>Volume Up</b>	To increase the phone volume level.
	<b>Volume Down</b>	To decrease the phone volume level.
	<b>NFC</b>	To indicate the built-in NFC tag.

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### Other icons of Konftel 800

Icon	Name	Description
	<b>Make Call or Answer</b>	To indicate the phone off-hook status and answer an incoming call.
	<b>Hang Up</b>	To indicate the phone on-hook status and end a call.
	<b>Incoming</b>	To show an incoming call.
	<b>Outgoing</b>	To show an outgoing call.
	<b>Missed</b>	To indicate a missed call.
	<b>Hold or On Hold</b>	To put a call on hold or to indicate that a call is on hold.
	<b>Conference</b>	To arrange a conference call.
	<b>Split</b>	To split a conference call into several separate calls.
	<b>Add Participant</b>	To add a participant to a conference call.
	<b>Talk Private</b>	To arrange a private discussion with a participant of a conference call.
	<b>Caps</b>	To type in capital letters.
	<b>Delete</b>	To delete an unneeded number or letter.









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

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Icon	Name	Description
	Konftel Unite connected	To show the connection of the phone to Konftel Unite.
	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.
	Clear call history	To clear all the call history in the call list.
	<b>Warning</b>	To notify that the SIP account registration failed. When you tap the <b>Warning</b> icon, the phone shows the following pop-up message: No sip service registered (Wrong username/password or registrar?).

## 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.



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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.
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	<ul style="list-style-type: none"><li>• PoE 802.3af</li><li>• PoE 802.3at</li><li>• PoE injector available as an accessory</li></ul>
Connectivity	<ul style="list-style-type: none"><li>• Ethernet RJ45 10/100/1000 Mbps, PoE 802.3af, and PoE 802.3at</li><li>• USB 3.0 device</li><li>• Built-in Bluetooth® LE and NFC</li><li>• Bluetooth® Classic</li><li>• Daisy Chain (audio) ports (6-pin RJ-type)</li></ul>
Screen	Graphical touch screen with a resolution of approximately 480 x 800 and size of 4.3"

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Name	Description
Acoustics	<ul style="list-style-type: none"><li>• 3 symmetrically placed MEMS microphones</li><li>• Full range speaker in the sealed enclosure</li></ul>
Music	<ul style="list-style-type: none"><li>• PoE 802.3at: 91 dB and bass boost</li><li>• PoE 802.3af: 87 dB</li><li>• Daisy Chain: 91 dB</li></ul>
Speech	<ul style="list-style-type: none"><li>• PoE 802.3at: 91 dB</li><li>• PoE 802.3af: 87 dB</li><li>• Daisy Chain: 91 dB</li></ul>
USB	<ul style="list-style-type: none"><li>• Micro USB 3.0 device Type B</li><li>• USB Type A</li></ul>
Bluetooth®	<ul style="list-style-type: none"><li>• Bluetooth® LE</li><li>• Bluetooth® Classic</li></ul>
Accessories	<p>You can additionally purchase the following accessories:</p> <ul style="list-style-type: none"><li>• Konftel PoE kit</li><li>• Konftel Smart Microphones</li><li>• Konftel Daisy Chain kit</li></ul>
User interface	<ul style="list-style-type: none"><li>• Simplified user interface</li><li>• Functional keypad and dial pad</li><li>• LED indicators for call and connectivity status</li></ul>
Mobile app	<p>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</p>
Device Configuration	<ul style="list-style-type: none"><li>• Global .xml or MAC specific .xml configuration files</li><li>• Web GUI administration</li></ul>

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### **SLEEP MODE**

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

The phone wakes up from 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 Sleep mode during screen activity, such as an incoming call, Konftel Unite connection, or error prompts.

The phone cannot enter Sleep mode during an active call or when it is in 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

#### About this task

Use this procedure to make a call with Konftel 800.

#### Procedure

⇒ 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`.

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## Answering a call

### About this task

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.

### Procedure

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

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

### About this task

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.

### Procedure

⇒ 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

### About this task

Use this procedure to mute the microphone during a call.

### Before you begin

Start a call.

### Procedure

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

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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

### About this task

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

### Before you begin

Start a call.

### Procedure

⇒ 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.

## Redialing a number

### About this task

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

### Procedure

⇒ 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.

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## Clearing call history

### About this task

Use this procedure to clear the call history in the call list on Konftel 800. Note that after 30 seconds of inactivity, the phone stops displaying the pop-up window.

### Before you begin

Ensure you have at least one call on the call list.

### Procedure

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

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

⇒ On the title bar, tap the **Clear call history** icon.

The phone displays a pop-up window with the following message: `Clear all call history?`

⇒ Tap **Yes**.

The phone clears all the recent call history data.

## CONFERENCE CALLS

You can make and manage conference calls with Konftel 800. A conference call is an option when at least three persons speak over the phone.

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

### Conference call participants

The device supports a conference of a maximum of five participants. Four of them are external, and the fifth participant is the Konftel 800. All external participants have their weight in the call, and the maximum total weight is 100. The weight of participants in a conference depends on the codecs they use. Different codecs have different weights:

- PCMU: 20.
- PCMA: 20.
- G722: 33.
- G729: 33.
- OPUS: 50.
- iLBC: 50.

For example, a conference call can include the following number of participants:

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- Konftel 800 and four external participants using PCMA or PCMU. Here, the total weight of external participants is *80*.
- Konftel 800 and three external participants using PCMA or PCMU and one external participant using G722 or G729. Here, the total weight of external participants is *93*.
- Konftel 800 and two external participants using OPUS or iLBC. Here, the total weight of external participants is *100*.

### Conference call operations

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

### Setting up a conference call

#### About this task

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

#### Procedure

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

The **Dialpad** view opens.

⇒ Dial the number of the first party to include in the conference call.

⇒ When the party answers, tap **Add Participant**.

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

⇒ Dial the number of the second party 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.



# TELEPHONY OPERATIONS

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## Adding a participant to a conference call

### About this task

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

### Before you begin

Start a conference call.

### Procedure

⇒ 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 participant 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 participant to include in the conference from the LDAP phone book.

⇒ When the called party answers the call, tap **Conference**.

The phone includes the called person in the conference call.

## Placing a conference call participant on hold

### About this task

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

### Before you begin

Start a conference call.

### Procedure

⇒ 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 that the procedure is complete.

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

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## Talking to a participant of a conference call privately

### About this task

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

### Before you begin

Start a conference call.

### Procedure

⇒ 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

### About this task

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

### Before you begin

Start a conference call.

### Procedure

⇒ 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

### About this task

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

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## Before you begin

Start a conference call.

## Procedure

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

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

## Next steps

- To resume the call with any one of the participants, tap the entry of the participant 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.

## TELEPHONY OPERATIONS

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- ① 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.
- 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 53

## Handling incoming Bluetooth® calls

### About this task

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.

### Before you begin

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

### Procedure

- 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 53

# TELEPHONY OPERATIONS

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## Handling outgoing Bluetooth® calls

### About this task

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.

### Before you begin

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

### Procedure

- 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 53

## 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

### About this task

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

### Procedure

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

The **Dialpad** view opens.

# TELEPHONY OPERATIONS

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⇒ 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

## Next steps

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

### About this task

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

### Before you begin

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

### Procedure

⇒ 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.

# TELEPHONY OPERATIONS

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## Viewing a contact card

### About this task

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

### Before you begin

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

### Procedure

⇒ 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.

- ① The **Call Transfer** feature is available only for the regular phone calls and not for the conference calls.

# TELEPHONY OPERATIONS

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## Making an attended transfer

### About this task

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

### Before you begin

Make sure you are on an active call.

### Procedure

⇒ Tap the **Arrow Right** 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 **Call Transfer** 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 **Call 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 **Call 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

### About this task

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

### Before you begin

Make sure you are on an active call.



# TELEPHONY OPERATIONS

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## Procedure

⇒ Tap the **Arrow Right** 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 **Call Transfer** 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 **Call 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 or the Caller name, 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.

- ① The web interface is accessible with the administrator password only. For security reasons, you can set the administrator password only on the phone.

### Input validation and data type restrictions

#### Positive input validation

Konftel 800 performs data input validation to ensure that the input contains only the permitted characters, values and other data. The input type and length as well as the data decoding are also under control. The input validation protects the user against malfunction of the system and insertion of malicious codes.

The user's input validation takes place during the configuration of the settings on the phone and through the web interface. The administrator can also configure the settings by using the configuration file.

When the user tries to input invalid data on the phone or through the web interface, the phone does not accept or save the changed settings.

#### Input Data Type and Length Restrictions

Konftel 800 provides input data type and length validation. All validation rules take stand on the existing requirements. For example, if the data input is a URL, validation rules are based on RFC for URLs.

When the user inputs data that do not meet the requirements, the system highlights the fields with the invalid data. The phone and the web server do not accept or process any data that does not meet the defined data type and length requirements.

If the data you input is valid, the phone reboots and applies the new configuration.

- ① When you type in values (text-based input), avoid using the following characters: `!@#$%^&?/\-_.`

# SETTINGS CONFIGURATION AND MANAGEMENT

You can find the specific requirements and rules for a valid data input in the Phone settings description section.

## Related information

[Phone settings description](#) on page 39

## Viewing the IP address

### About this task

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.

### Procedure

- ⇒ 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

### About this task

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.

### Before you begin

Connect the PoE cable to ensure the phone power supply.

### Procedure

- ⇒ Wait for the following message to appear on the phone screen:

For full functionality, please set administration password.

- ⇒ Tap **Yes** to set the password.

# SETTINGS CONFIGURATION AND MANAGEMENT

- ⇒ 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

### About this task

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

### Procedure

- ⇒ 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.

# SETTINGS CONFIGURATION AND MANAGEMENT

## Logging in to the web interface of Konftel 800

### About this task

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.

After five incorrect login attempts, the web interface becomes blocked for 15 minutes. The web interface shows the following message: `Login has been suspended for 15 minutes due to too many invalid password entries`. If you enter the invalid password less than five times, then you have another five attempts after five minutes break.

① Konftel 800 officially supports only the Google Chrome browser.

The phone supports only HTTPS communication protocol.

### Before you begin

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

### Procedure

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

```
https://111.222.33.44/.
```

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

The password is the administrator password for your phone.

⇒ Click **Login** to log in to the webserver of your Konftel 800.

### Related tasks

[Viewing the IP address](#) on page 35

[Setting the password for Konftel 800](#) on page 35

## Logging out from Konftel 800

### About this task

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

### Before you begin

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

### Procedure

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

# SETTINGS CONFIGURATION AND MANAGEMENT

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

## **CONFIGURATION OF THE PHONE SETTINGS**

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

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

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

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

### **Related concepts**

[Phone settings description](#) on page 39

## **Configuring the phone settings on the phone**

### **About this task**

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

### **Procedure**

- ⇒ 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 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.

# SETTINGS CONFIGURATION AND MANAGEMENT

## Configuring the phone settings through the web interface

### About this task

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

### Procedure

- ⇒ 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**.

Name	Description
<b>Phone</b>	
<b>Phone Name</b>	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 <b>Konftel 800</b> .  Ensure that there is no empty space at the beginning or at the end of the string. The maximum input length is 28 characters.

*Table continued...*

# SETTINGS CONFIGURATION AND MANAGEMENT


Name	Description
<b>Phone Language</b>	<p>To select the language. The options are:</p> <ul style="list-style-type: none"><li>• <b>English</b>. This is the default setting.</li><li>• <b>Swedish</b></li><li>• <b>Danish</b></li><li>• <b>Norwegian</b></li><li>• <b>Finnish</b></li><li>• <b>Italian</b></li><li>• <b>German</b></li><li>• <b>French</b></li><li>• <b>Spanish</b></li><li>• <b>Portuguese</b></li><li>• <b>Dutch</b></li><li>• <b>Simplified Chinese</b></li></ul> <p>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.</p>
<b>Security</b>	
<b>Ringtone Level</b>	<p>To choose from six volume levels and <b>Silent</b> mode. The default setting is <b>Level 4</b>.</p> <p>If you select <b>Silent</b> mode, only the green LEDs on the phone flash when a call is received.</p>
<b>Key Tone</b>	<p>To enable or disable the key click sound as you tap the phone screen buttons.</p> <p>By default, the key tone is on.</p>
<b>Reboot Device</b>	<p>To reboot the phone when needed.</p> <p> You can reboot the phone through the web interface and on the phone. You can initiate the reboot from the phone user interface only if you log in with the administrator password.</p>

Table continued...




# SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
<b>Webapp Debug</b>	<p>To enable or disable the debugging function for the web application. It activates the web application logging available in the <b>System Logs</b> tab. By default, <b>Webapp Debug</b> is off.</p> <p><b>i</b> You can use this function only through the web interface.</p>
<b>Startup Sound</b>	<p>To enable or disable the phone's branded startup sound. By default, the startup sound is on.</p> <p><b>i</b> The change of this setting does not require a restart or reboot of the phone.</p>
<b>Time and Region</b>	
<b>Date</b>	<p>To set the current date.</p> <p><b>i</b> You can set the current date manually only if NTP is in disabled state.</p> <p>Specify the date by doing the following:</p> <ul style="list-style-type: none"><li>• Manually enter the date in the field by clicking the day, month, and year to change the value.</li><li>• Select a date from the date picker.</li></ul> <p><b>i</b> You can use this function only through the web interface.</p>

Table continued...

# SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
<b>Date Format</b>	<p>To set the date format.</p> <p>The following date formats are available:</p> <ul style="list-style-type: none"><li>• dd M, D - Date, short name for the month and day of the week. For example, <i>10 Jan, Mon.</i></li><li>• dd MM, DD - Date, full name for the month and day of the week. For example, <i>10 January, Monday.</i></li><li>• M dd, D - Short name for the month, date, and short name for the day of the week. For example, <i>Jan 10, Mon.</i></li><li>• MM dd, DD - Full name for the month, date, and full name for the day of the week. For example, <i>January 10, Monday.</i></li><li>• D, dd M - Short name for the day of the week, date, and short name for the month. For example, <i>Mon, 10 Jan.</i></li><li>• DD, MM dd - Full name for the day of the week, full name for the month, and date. For example, <i>Monday, January 10.</i></li><li>• dd/mm/yy - Date/month/short numerical designation of the year. For example, <i>10/01/20.</i></li><li>• dd/mm/yyyy - Date/month/full numerical designation of the year. For example, <i>01/10/2020.</i></li><li>• mm/dd/yy - Month/date/short numerical designation of the year. For example, <i>01/10/2020.</i></li><li>• mm/dd/yyyy - Month/date/full numerical designation of the year. For example, <i>01/10/2020.</i></li><li>• yy/mm/dd - Short numerical designation of the year/month/date. For example, <i>20/01/10.</i></li><li>• yyyy/mm/dd - Full numerical designation of the year/month/date. For example, <i>2020/01/10.</i></li></ul> <p>You can also leave the <b>Default</b> 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 <b>Finnish</b>, the date format is <code>dd.mm.yyyy</code>.</p> <p> You can configure this parameter only through the web interface. The administrator can also configure this parameter using the <code>.xml</code> configuration file.</p>

# SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
<b>Time</b>	<p>To set the current time.</p> <p><b>i</b> You can set the time manually only if NTP is in disabled state.</p> <p>See the time on the home screen of the phone.</p> <p>Set the time by doing the following:</p> <ul style="list-style-type: none"><li>• Manually enter the time value in the field by clicking the hours, minutes, and seconds to change the value.</li><li>• Select the time from the time picker.</li></ul> <p><b>i</b> You can use this function only through the web interface.</p>
<b>Time Format</b>	<p>To set the time format.</p> <p>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.</p> <p>The following time formats are available:</p> <ul style="list-style-type: none"><li>• <b>Default</b></li><li>• <b>12 hours</b></li><li>• <b>24 hours</b></li></ul> <p><b>i</b> You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.</p>
<b>Geo Timezone (auto DST)</b>	<p>To enable or disable Daylight Saving Time (DST) mode based on the selected geographical timezone.</p> <p>By default, DST is disabled.</p> <p><b>i</b> You can use this function only through the web interface.</p>

Table continued...

# SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
<b>Timezone</b>	<p>To specify a timezone and minute offset. The available timezone is based on <b>Geo Timezone (auto DST)</b> being enabled or disabled. With <b>Geo Timezone (auto DST)</b> 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.</p> <p>With <b>Geo Timezone (auto DST)</b> enabled, the phone specifies the timezone based on the country and the city observing the DST.</p> <p>The default setting is UTC.</p> <p><b>i</b> You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.</p>
<b>Daylight Saving Time</b>	<p>To manually advance the clock during the specified period of time. Konftel 800 supports the Daylight Saving Time (DST) feature together with the UTC time zones.</p> <p><b>i</b> You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.</p>
<b>Custom DST</b>	<p>To enable or disable the custom DST mode.</p> <p>If <b>Geo Timezone (auto DST)</b> is enabled, <b>Custom DST</b> is automatically disabled.</p> <p>You can use the custom DST functions only with the enabled <b>Custom DST</b>.</p> <p><b>i</b> You can configure this parameter through the web interface. The administrator can also update settings with the .xml configuration file.</p>
<b>Custom DST Settings</b>	
<b>Offset Hours</b>	<p>To specify the time in hours between the standard time and the DST. The values are 1 and 2. The default setting is 1.</p>

Table continued...

# SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
<b>Start Month</b>	To select the month when to apply <b>Offset Hours</b> .
<b>Start Day Mode</b>	To select the day mode when to apply <b>Offset Hours</b> .
<b>Start Day</b>	To select the day when to apply <b>Offset Hours</b> . The value range is from 0 to 31.
<b>Start Hour</b>	To select the hour when to apply <b>Offset Hours</b> . The value range is from 0 to 23.
<b>Stop Month</b>	To select the month when to stop applying <b>Offset Hours</b> .
<b>Stop Day Mode</b>	To select the day mode when to stop applying <b>Offset Hours</b> .
<b>Stop Day</b>	To select the day when to stop applying <b>Offset Hours</b> . The value range is from 0 to 31.
<b>Stop Hour</b>	To select the hour when to stop applying <b>Offset Hours</b> . The value range is from 0 to 23.

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.

## Configuring Daylight Saving Time through the web interface

### About this task

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

- ① When you use the DST start parameters, enable the comparable DST stop parameters.

### Procedure

- ⇒ Log in to the web interface.
- ⇒ Click **Phone**.
- ⇒ Enable **Custom DST**.

## SETTINGS CONFIGURATION AND MANAGEMENT

- ⇒ 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

#### About this task

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.

#### Procedure

- ⇒ 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:

## SETTINGS CONFIGURATION AND MANAGEMENT

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- 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.
- **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.

### Sleep mode

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

The phone wakes up from 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 Sleep mode during screen activity, such as an incoming call, Konftel Unite connection, or error prompts.

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

### USB only user mode

Konftel 800 supports USB only user mode. With this feature, the conference phone can operate with no SIP account and SIP register configured. In USB only user mode Konftel 800 acts as a speakerphone that the user can use to conduct virtual meetings and listen to audio files.

# SETTINGS CONFIGURATION AND MANAGEMENT

## USB and Bluetooth® connection

In USB only user mode, the phone operates as a USB device connected to a USB host.

In this mode, the phone supports connection to Bluetooth® devices using Bluetooth® Classic.

- ① The administrator can use the configuration file to disable Bluetooth®. The **Bluetooth** button becomes inactive, and if the user taps it, the phone shows the following message: Bluetooth is disabled by the administrator.

When idle, Konftel 800 does not display **Account Name** on the home screen in USB only user mode. The user can see the phone name and the connection option as follows:

- When the user connects the phone using USB, Konftel 800 indicates **USB audio** on the home screen.
- When the user uses Bluetooth® to connect the phone, Konftel 800 indicates **Bluetooth® audio** on the home screen.
- When the user uses both Bluetooth® and USB for connection, Konftel 800 indicates **Bluetooth® audio** on the home screen.

## Time presentation in USB only user mode

When the phone has NTP server settings enabled but it cannot connect to the NTP server in USB only user mode, Konftel 800 does not display time on the home screen and in the settings menu.

When the phone has NTP server settings disabled, the user can set the time manually. Then the options of the time presentation are the following:

- On the home screen when there is no active Bluetooth® or USB connection.
- On the status bar when the user connects to Konftel 800 using Bluetooth® or USB.

## Time presentation in USB only user mode

When the phone has NTP server settings enabled but it cannot connect to the NTP server in USB only user mode, Konftel 800 does not display time on the home screen and in the settings menu.

When the phone has NTP server settings disabled, the user can set the time manually. Then the options of the time presentation are the following:

- On the home screen when there is no active Bluetooth® or USB connection.






# SETTINGS CONFIGURATION AND MANAGEMENT

- On the status bar when the user connects to Konftel 800 using Bluetooth® or USB.

## USB only user mode icons

The following table shows the icons on the home screen of Konftel 800 in USB only user mode:

Icon	Name	Description
	<b>USB Connected</b>	To indicate an active USB connection. The phone displays the <b>USB Connected</b> icon and shows <code>USB audio</code> on the idle home screen.
	<b>Bluetooth connection</b>	To configure Bluetooth® Classic settings and to indicate an active Bluetooth® Classic connection. The phone shows the <b>Bluetooth connection</b> icon and <code>Bluetooth® audio</code> indication on the idle home screen.  <b>ⓘ</b> If the administrator uses the .xml configuration file to disable Bluetooth®, then the <b>Bluetooth connection</b> icon is inactive.
	<b>Settings</b>	To check and configure the settings from the phone. View the phone status and reach the menu.  <b>ⓘ</b> You get access to the settings, which are available in USB only user mode.

- ⓘ** When Konftel 800 shows either the **USB Connected** or the **Bluetooth connection** icon on the idle home screen, the phone displays time on the status bar.

# 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

#### About this task

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.

# CONNECTIVITY

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## Before you begin

Prepare USB micro Type B receptacle for connection purposes.

## Procedure

- ⇒ 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

### About this task

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.

### Before you begin

- 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.

### Procedure

- ⇒ 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.

## CONNECTIVITY

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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 <a href="#">Konftel Unite</a> on page 56.  This is the default mode.
Bluetooth® Classic		To connect to Bluetooth® devices, such as mobile phones, tablets, and personal computers, for call handling or audio streaming.  <b>i</b> 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.

- i** 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.

In USB only user mode, the phone supports connection to Bluetooth® devices using Bluetooth® Classic.

### 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 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.

# CONNECTIVITY

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

## Pairing and connecting Bluetooth® devices

### About this task

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.

### Procedure

⇒ 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

[Phone settings description](#) on page 39

# CONNECTIVITY

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## 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.

## Disconnecting Bluetooth® devices

### About this task

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.

- ① Disconnecting the devices using this procedure does not affect the connection to Konftel Unite.

### Before you begin

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

### Procedure

⇒ 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.

## CONNECTIVITY

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

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

### Removing Bluetooth® pairing

#### About this task

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.

#### Before you begin

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

#### Procedure

⇒ 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.

## 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.

- ① 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

### About this task

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.

- ① You can pair up to 100 mobile phones or tablets with your Konftel 800. But only one user connection is active at a time.



# PHONE MANAGEMENT APPLICATION

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## Before you begin

Install Konftel Unite on your mobile device.

## Procedure

⇒ On your mobile device, open Konftel Unite.

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

### About this task

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

### Before you begin

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

### Procedure

- 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.

# PHONE MANAGEMENT APPLICATION

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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**.
- 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

### About this task

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

### Before you begin

Pair Konftel 800 with a mobile device with Konftel Unite.

### Procedure

⇒ 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.

# PHONE MANAGEMENT APPLICATION

## Checking the calendar and scheduled events

### About this task

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.

### Before you begin

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

### Procedure

- ⇒ 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.

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

### About this task

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

### Before you begin

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.

### Procedure

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

The application finds the closest Konftel 800.

# PHONE MANAGEMENT APPLICATION

- ⇒ 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

### About this task

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.

### Before you begin

Ensure that Konftel 800 is paired with Konftel Unite.

### Procedure

- ⇒ 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.

# PHONE MANAGEMENT APPLICATION

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## Managing contacts

### About this task

Use this procedure to manage contacts with Konftel Unite.

### Procedure

- ⇒ 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

### About this task

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

### Procedure

- ⇒ 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
<b>Connection</b>	<p>To enable or disable the connection to Konftel 800. The options are:</p> <ul style="list-style-type: none"> <li>• On: The default option.</li> <li>• 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.</li> </ul>
<b>Moderator code</b>	<p>To join the scheduled conference calls as a moderator. You must enter respective codes in the following fields:</p> <ul style="list-style-type: none"> <li>• <b>Use moderator code:</b> To host conference calls over a bridge service. For every call you join, Konftel Unite uses your moderator code instead of your guest code.</li> <li>• <b>Instead of guest code:</b> To specify the guest code instead of which Konftel Unite uses your moderator code.</li> </ul>
<b>Dial prefix</b>	<p>To enter the prefix digits in the <b>Use prefix</b> field.</p>
<b>My bridge</b>	<p>To enter the phone number and optional PIN code of the most frequently used conference service. You can use the <b>My bridge</b> button to join the conference call.</p> <p>The <b>My bridge</b> button appears in the calendar view.</p>
<b>Meeting notification</b>	<p>To set a reminder about a call. The options are:</p> <ul style="list-style-type: none"> <li>• <b>5 minutes before</b></li> <li>• <b>10 minutes before</b></li> <li>• <b>15 minutes before</b></li> <li>• <b>Never</b></li> </ul>
<b>Calendars to show</b>	<p>To select the calendars in the mobile phone from which you want Konftel Unite to take the information.</p>

*Table continued...*

# PHONE MANAGEMENT APPLICATION

Name	Description
<b>Tell a colleague</b>	<p>To share information about Konftel Unite with a person that you want. You can do it by using an email application.</p> <p>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.</p>
<b>Read more about Konftel Unite</b>	<p>To get additional information about Konftel Unite. The application forwards you to the web site with the corresponding information.</p>
<b>Feedback and support</b>	<p>To share your experience of using the application and request for support. The options are:</p> <ul style="list-style-type: none"><li data-bbox="348 707 977 762">• A messenger, for example, Viber, WhatsApp, Telegram, and so on.</li><li data-bbox="348 770 608 802">• An email application.</li><li data-bbox="348 810 669 834">• Connection by Bluetooth®.</li></ul>
<b>Diagnostics</b>	<p>To select a log of the events for Konftel Unite.</p> <p>You can send the created log by tapping <b>Send</b> through an email application. The log can be used in troubleshooting.</p> <p>You can also delete the logs from the application by tapping <b>Clear</b>.</p>
<b>Show tutorial</b>	<p>To read information about Konftel Unite features.</p>
<b>About Konftel Unite</b>	<p>To check the version of the application installed on your mobile device.</p>

# 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.

① 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 Sleep mode or 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.

### **Connection of the Slave devices to the Master phone**

In a daisy chain, Konftel 800 disables all unused daisy chain ports during active calls to provide for the best possible audio experience. That means, that the time, when a Slave device activates, is dependent on the Master phone status as follows:

- The Master phone is in the Idle state. When the user connects an expansion microphone or a Slave phone to the Master phone, Konftel 800 immediately detects it, and the connected device becomes directly available for operation.
- The Master phone has an active call. When the user connects an expansion microphone or a Slave phone to the Master phone, the connected device becomes available for operation only after the call ends.

The same approach is applicable when the user disconnects and reconnects an expansion microphone or a Slave phone to the Master phone during an active call. In this case, the connected device also becomes available for operation only after the call ends.

### **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.

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

# FEATURES AND ACCESSORIES

## **Connection of the Slave devices to the Master phone**

In a daisy chain, Konftel 800 disables all unused daisy chain ports during active calls to provide for the best possible audio experience. That means, that the time, when a Slave device activates, is dependent on the Master phone status as follows:

- The Master phone is in the Idle state. When the user connects an expansion microphone or a Slave phone to the Master phone, Konftel 800 immediately detects it, and the connected device becomes directly available for operation.
- The Master phone has an active call. When the user connects an expansion microphone or a Slave phone to the Master phone, the connected device becomes available for operation only after the call ends.

The same approach is applicable when the user disconnects and reconnects an expansion microphone or a Slave phone to the Master phone during an active call. In this case, the connected device also becomes available for operation only after the call ends.

## **Arranging a daisy chain**

### **About this task**

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

### **Before you begin**

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.

### **Procedure**

⇒ 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.

# FEATURES AND ACCESSORIES

## Defining the mode of the phone

### About this task

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

### Procedure

- 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 the < icon 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 Slave mode within the daisy chain arrangement.

## Disabling Daisy Chain mode

### About this task

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

### Before you begin

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

### Procedure

- To disable Daisy Chain mode from the web interface, do the following:

## FEATURES AND ACCESSORIES

- a) On the web interface, click **Phone**.
- b) In **Daisy Chain Mode**, select **Master**.
- c) Click **Save**.
- To disable 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 **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.

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

#### About this task

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

#### Before you begin

Make sure Konftel 800 is in Idle Mode.

#### Procedure

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

## FEATURES AND ACCESSORIES

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.

### Result

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 Idle mode.

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

### About this task

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

### Before you begin

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

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## Procedure

- ⇒ 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.

## Result

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 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.

## Terminating expansion microphone upgrade

### About this task

Use this procedure to terminate the expansion microphone upgrade.

You can do it in the following cases:

## FEATURES AND ACCESSORIES

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

### **Before you begin**

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

### **Procedure**

⇒ 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**

### **About this task**

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

### **Procedure**

⇒ 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

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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
<b>General</b>	To show the status information of Konftel 800, including the following: <ul style="list-style-type: none"><li>• <b>Phone Name</b></li><li>• <b>Product Name</b></li><li>• <b>Build Version</b></li><li>• <b>HW Revision</b></li><li>• <b>Serial Number</b></li><li>• <b>Smart Microphone 1 Version</b></li><li>• <b>Smart Microphone 2 Version</b></li></ul>
<b>Network</b>	To show the information about the network settings of the phone. You can see the following information: <ul style="list-style-type: none"><li>• <b>IP Address</b></li><li>• <b>MAC Address</b></li><li>• <b>Bluetooth MAC Address</b></li><li>• <b>Hostname</b></li><li>• <b>Network Mask</b></li><li>• <b>Domain</b></li><li>• <b>Gateway</b></li><li>• <b>Primary DNS</b></li><li>• <b>Secondary DNS</b></li></ul>

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Section name	Description
<b>SIP</b>	To show the information about the SIP settings of the phone. You can see the following information: <ul style="list-style-type: none"><li>• <b>Primary Account Status</b></li><li>• <b>Secondary Account Status</b></li><li>• <b>Fallback Account Status</b></li></ul>
<b>Time and Region</b>	To show the information about the time and region settings of the phone. You can see the following information: <ul style="list-style-type: none"><li>• <b>NTP Status</b></li><li>• <b>Time</b></li><li>• <b>Date</b></li><li>• <b>Timezone</b></li><li>• <b>Daylight Saving Time</b></li></ul>

① You can not change settings in the **Status** tab.

### Viewing the phone status

#### About this task

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

#### Procedure

- ⇒ Log in to the web interface.
- ⇒ Select the **Status** tab.

## LICENSES

On the **Licenses** web page, you can get the general information about the use and other conditions for the third party components. This web page also contains a copyright URL by using which you can find and download the document with a complete list of the third party components and licenses.

① You can get the license information only through the web interface.

## KONFTEL BACK COVER

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](http://konftel.com).

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Read more about the company and our products at [konftel.com](https://konftel.com).

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