User Guide
Konftel 800

ENGLISH

(((KONFTEL GET TOGETHER]

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

Please visit **www.konftel.com** to view the complete declaration of conformity.

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

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

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INTRODUCTION

PURPOSE

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

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 up/down 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 installing, configuring, and administering Konftel 800.

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

- Read, understand, and follow all the instructions.
- Do not place this phone on an unstable cart, stand, or table. Konftel 800 may fall, causing serious damage to the device.
- Do not drop, knock, or shake the phone. Rough handling can break internal circuit boards.
- Ensure that the power cord or plug is not damaged.
- Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
- Avoid wetting the device to prevent fire or electrical shock hazard.
- Unplug the device from the wall outlet before cleaning. Do not use liquid or aerosol cleaners, harsh chemicals, cleaning solvents, or strong detergents to clean the device. Use a damp cloth for cleaning.
- Avoid exposing the phone to high temperatures above 40°C (104°F), low temperatures below 0°C (32°F), or high humidity.
- Do not block or cover slots and openings of the phone. These openings are provided for ventilation, to protect the phone from overheating.

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

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

PHYSICAL LAYOUT

Figure 1: Front view of Konftel 800 IP Conference Phone

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

Callout number	Description
1	Mute buttons

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

CONNECTION LAYOUT
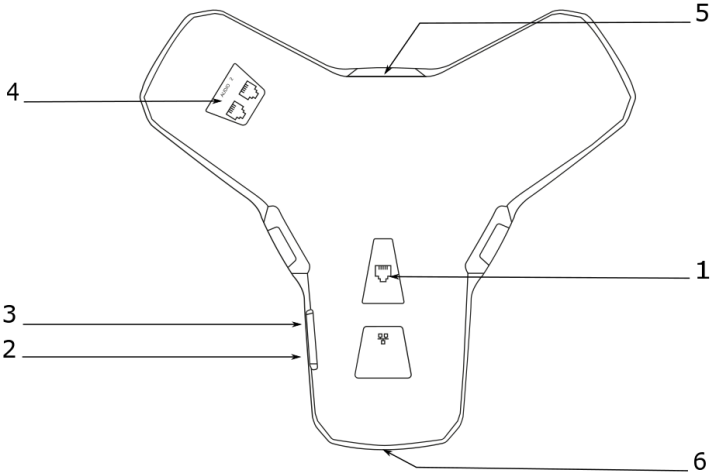
Figure 2: Connection layout of Konftel 800 IP Conference Phone

The following table lists the sockets and ports available on Konftel 800 IP Conference Phone 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 IP Conference Phone.

Parameter	Dimension
Width	326.41 mm
Length	369.87 mm
Height	74.7 mm

ICONS

Icons on the main screen of Konftel 800 IP Conference Phone

Icon	Name	Description
	Recent	To check the call list. The phone provides the following information about the calls: • **Number**. You can view the number or the name of the contact from the phone book.

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Icon	Name	Description
		• **Date**. You can view the information when the phone received the call. This applies only to the calls preceding the current day. • **Time**. For the current day the phone shows the time of the call in `hh:mm` format. • **Direction**. You can view the incoming, outgoing and missed calls.
	Unite	To access the Konftel Unite settings.
	Dialpad	To dial phone numbers and codes for telephone operations or Konftel Unite connection.
	Settings	To check and configure the settings from the phone. You can view the phone's status and reach the menu.
	Mute	To mute and unmute the phone.
	Volume up	To increase the phone's volume level.
	Volume down	To decrease the phone's volume level.

Other icons of Konftel 800 IP Conference Phone

Icon	Name	Description
	Call/Answer	To indicate the phone's off-hook status and answer an incoming call.

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Icon	Name	Description
	Hang up	To indicate the phone's on-hook status and end a call.
	Incoming call	To show an incoming call.
	Outgoing call	To show an outgoing call.
	Missed call	To indicate a missed call.
	Hold/On Hold	To put a call on hold or to indicate that a call is on hold.
	Conference	To organize a conference call.
	Split	To split a conference call into several separate calls.
	Add participant	To add a participant to a conference call.
	Talk private	To organize a private discussion with a participant of a conference call.
	Caps	To capitalize the letters.

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Icon	Name	Description
	Delete	To delete an unneeded number or letter.
	Visibility	To mark if the characters must stay visible to the user, for example during the log in with the password.
	Invisibility	To mark if the characters must stay invisible to the user, for example during the log in with the password.
	Logged in	To indicate that the user logged in as the administrator.
	Microphone muted	To indicate that the phone is in muted state.
	Enter	To confirm the input of information.
	Confirm	To confirm the information.
	Reject	To discard the information.
	Arrow down	To move to the sections below.
	Arrow up	To move to the sections above.

OVERVIEW

Icon	Name	Description
‹	Arrow left	To return to the previous page.
›	Arrow right	To move to subsections of a section.
USB	USB	To indicate an active USB connection.
	Konftel Unite connected	To show the connection of the phone to Konftel Unite.
	Daisy chain	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.

LED STATUS INDICATORS

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

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

LED color	Description
Steady red	Microphones are on mute.
Flashing red	A call is on hold. Microphones and the speaker are turned off.
Steady green	A call is in progress.

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LED color	Description
Flashing green	An incoming call is ringing.
LED Off	The phone is inactive.

SPECIFICATIONS

The following specifications are supported on Konftel 800:

Name	Description
Power	• PoE 802.3af • PoE 802.3at • PoE injector available as an accessory
Connectivity	• Ethernet RJ45 10/100/1000 Mbps, PoE 802.3af and PoE 802.3at • Built-in Bluetooth LE • USB 2.0 Device • Daisy Chain (audio) ports (6-pin RJ-type)
Screen	Graphical touch screen with a resolution of approximately 480x800 and size of 4.3"
Acoustics	• 3 symmetrically placed MEMS microphones • Full range speaker in the sealed enclosure
Music	• PoE 802.3at: 91 dB and bass boost • PoE 802.3af: 87 dB • Daisy Chain: 91 dB
Speech	• PoE 802.3at: 91 dB • PoE 802.3af: 87 dB • Daisy Chain: 91 dB
USB	• Micro-USB Type B

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Name	Description
Bluetooth	• Bluetooth LE
Accessories	You can additionally purchase the following accessories: • Konftel PoE kit • Konftel Smart Microphones • Konftel Daisy Chain kit
User interface	• Simplified user interface • Functional keypad and dial pad • LED indicators for mute/hold

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 a participant on a call
- Placing the call on hold
- Redialing a number

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

Making a call

Use this procedure to make a call with Konftel 800.

⇨ On the phone screen, tap the **Dial pad** icon.

⇨ On the displayed dial pad, dial the number you want to call.

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

⇨ Tap the **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: `Callee is busy.`

Answering a call

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

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

TELEPHONY OPERATIONS

When you answer the call, the phone displays the timer. You can control the duration of the call.

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

Answering a call while on another call

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

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

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

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

⇨ Go on with the call.

Konftel 800 stops ringing.

Muting and unmuting the microphone during a call

Use this procedure to mute the microphone during a call.

Start a call.

⇨ On the phone, tap the **Mute** icon.

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

⇨ To unmute the microphone, tap the **Mute** icon again.

Placing a call on hold

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

Start a call.

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

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

⇨ Tap the **Hold** icon again.

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

⇨ Tap the **Hang up** icon to end the call.

Redialing a number

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

TELEPHONY OPERATIONS

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

The phone dials the selected number.

CONFERENCE CALLS

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

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

Konftel 800 supports the following conference call operations:

- Setting up a conference call
- Adding participants to a conference call
- Putting a conference call on hold
- Putting a participant of a conference call on hold
- Talking to a participant of a conference call privately
- Splitting a conference call

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

Setting up a conference call

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

⇨ Tap the **Dial pad** icon.

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

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

The phone displays the Add participant screen.

TELEPHONY OPERATIONS

⇨ Dial the number of the second person that you want to include in the conference call. You can choose the number in the **Recent** tab from the recent calls list or dial the number using the **Dialpad**

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

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

Adding a participant to a conference call

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

Start a call.

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

The phone displays the dial pad.

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

⇨ Tap **Conference**.

The phone includes the called person into the conference call when the person answers the call.

Placing a conference call on hold

Use this procedure to place an ongoing conference call on hold.

Start a conference call.

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

The LED indicators flash red to indicate the **Mute** status.

⇨ To rejoin the conference call, tap the **Hold** icon.

The phone displays the options that are available for the conference call. The LED indicators turn green.

Putting a participant of a conference call on hold

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

Start a conference call.

⇨ On the phone screen, tap the participant's number or the $^>$ icon.

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

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

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

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

Talking to a participant of a conference call privately

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

Start a conference call.

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

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

⇨ Tap the **1 to 1** icon to talk privately with the participant. The phone puts all other participants on hold.

⇨ Tap the **1 to 1** icon again to reconnect to the conference call.

Splitting a conference call

Use this procedure to split an ongoing conference call. When you do it, the phone divides one conference call into several calls.

Start a conference call.

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

⇨ Select a participant for the phone to transfer to a separate call.

The phone connects all other participants to a separate call and puts it on hold.

⇨ Tap the **Conference** icon to connect all the separate calls to the conference call.

SETTINGS CONFIGURATION AND MANAGEMENT

CONFIGURATION OF THE PHONE

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

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

Viewing the IP address

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

⇨ On the phone's 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
- Software version of the Smart Mics

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

Setting the password for Konftel 800

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

Connect the PoE cable to ensure the phone power supply.

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

`For full functionality, please set administration password.`

⇨ 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 user mode with the restricted number of configuration options.

⇨ 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. When the user enters the password, the phone hints if the password is bad or good.

⇨ Type the password again to confirm it.

⇨ Return to the Home screen by tapping the ⟨ icon.

The phone reboots.

Changing the password

Use this procedure to change the administrator's password on the phone.

⇨ On the phone's screen, tap **Settings** > **Admin login**.

⇨ Enter your administrator's password to get the full functionality available.

⇨ Select **Settings** > **Phone** > **Security**.

⇨ Enter the new password. The phone hints if the new password is good enough.

⇨ Confirm the password. The phone informs if the password matches the previously entered one.

The phone changes the password and reboots.

⇨ Save the new password for future use.

To check the new password, tap **Settings** > **Admin login** and enter the full functionality mode.

Logging in to Konftel 800

Use this procedure to log in to the web interface of your Konftel 800.

Check the IP address of the phone.

⇨ On your web browser, type the IP address of your phone.

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

⇨ Enter your password.

The password is the administrator's password for your phone.

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

SETTINGS CONFIGURATION AND MANAGEMENT

Logging out from Konftel 800

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

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

On your web browser, tap **Logout**.

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

CONFIGURATION OF THE BASIC SETTINGS

You can configure the basic settings directly on Konftel 800. For that you need to navigate through the menu and select the options you need. Using the web interface make the settings configuration easier. This guide provides the explanations of both options for you to choose the more convenient one.

The following basic settings of Konftel 800 can be configured by any user:

- Phone name
- Language
- Ring level

To configure other basic and advanced settings you must log in as the administrator. For more information about the basic settings, see Basic settings on page 24.

Configuring the basic settings on the phone

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

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

⇨ Optional: For time settings, tap **Settings** > **Time**.

⇨ 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, choose the daisy chain mode or reset the phone to factory settings.

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

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

SETTINGS CONFIGURATION AND MANAGEMENT

Configuring the settings by using the web interface

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

⇨ Log in to the web interface of Konftel 800.

⇨ Click **Basic**.

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

⇨ Click the **Save** button.

Basic settings

The following are the basic settings of Konftel 800 available through the web interface in the **Basic** tab or on the phone in **Settings** > **Phone** and **Settings** > **Time**.

Name	Description
Phone	
Phone name	To specify the name of the phone, which is visible on the home screen when the phone is in a stand-by or on hook mode.
Language	To select the appropriate language. The options are: • English • Swedish • Danish • Norwegian • Finnish • Italian • German • French • Spanish • Portuguese • Dutch

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Ringtone level	To choose from six volume levels and a silent mode. If you select the silent mode, only the green LEDs on the phone flash when a call is received.
Reboot device	To reboot the phone in case of a need. ⓘ You can find the **Reboot device** button only in the web interface. You can also activate the **Reboot device** function on the phone when you change some of the phone settings in the phone user interface.
Webapp debug	To enable or disable the debugging function for the web application. It activates the web application logging available in the **System logs** tab. ⓘ You can use this function only through the web interface.
Daisy chain mode	To choose a mode, in which your Konftel 800 operates in case of a daisy chain arrangement. The following options are available: • Master • Slave ⓘ You can configure this parameter in case of logging in with the administrator's password.
Security	To change the administrator's password. ⓘ You can configure this parameter in case of logging in with the administrator's password. ⓘ For security reasons, you can change the administrator's password only on the phone.

Table continued…

SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Factory reset	To reset the phone to its factory settings. By resetting the phone to its factory setting, you remove all the configurations set, exported and installed in course of the phone's use. ⓘ You can do the factory reset only if you log in with the administrator's password and only on the phone.
Time and region	
NTP enable	To enable or disable the Network Time Protocol (NTP). ⓘ You can configure this parameter in case of logging in with the administrator's password.
NTP server	To specify the NTP server when NTP is enabled. By default the phone uses the following NTP server: `0.pool.ntp.org`. ⓘ You can configure this parameter in case of logging in with the administrator's password.
Date	To set the current date. The date is set in the `mm/dd/yyyy` format. You can specify it by doing the following: • Manually enter the date in the field. • Use the up and down arrows to move through a set of fixed values for the date, month, and year. • Select a date from the drop-down calendar. You can also click the ✕ icon to delete the value that is available and enter the date you want.

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SETTINGS CONFIGURATION AND MANAGEMENT

Name	Description
Time	To set the current time. The time is set in the `hh:mm:ss` format. You can see the time on the Home screen of the phone.
	ⓘ The interface provides the time using the 12–hour clock approach, that is you see an AM or PM abbreviation to specify the time.
	You can specify the time by doing the following:
	• Manually enter the time value in the field. • Use the up and down arrows to move through a set of fixed values for the hours, minutes, and seconds.
Geo timezone (auto DST)	To enable or disable the Daylight saving time (DST) mode based on the selected geographical timezone.
Timezone	To select a timezone from a drop-down list. The available timezone is based on **Geo timezone** being enabled or disabled. With **Geo timezone** disabled, the phone sets the time as a difference with the Coordinated Universal Time (UTC). With **Geo timezone** enabled, the phone specifies the timezone based on the country and the city observing the DST.

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.

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 use Konftel Unite with Konftel 800 via Bluetooth LE. The NFC tag provides for easy pairing and quick reconnect.

USB 2.0 Device connection is applied as an alternative to Ethernet.

You can connect up to 2 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's coverage.

USB CABLE CONNECTION

Konftel 800 supports cable connection to a personal computer, a deskphone, and other devices. The phone has the following connection ports:

- USB Type A
- Micro-USB Type B

When connected through the micro-USB port, Konftel 800 serves as a full duplex, echo cancellation and noise reduction device.

Connection to a personal computer or a deskphone

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

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

Connecting to a personal computer or a deskphone

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

CONNECTIVITY

Prepare USB micro Type B receptacle for connection purposes.

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

The Konftel 800 screen shows that the USB mode is enabled.

⇨ Optional: Access the computer settings and select the phone as the audio device. The computer's 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 the computer's built-in speakers.

Managing VoIP calls through a PC

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

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

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

⇨ Dial the number and talk to your contact. Note that during an active USB call, incoming VoIP calls are rejected with a busy signal.

⇨ End the call in the computer's VoIP software.

The phone functions as a speaker for the computer.

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 or Bluetooth. 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 mobile device can have different levels. To hear all participants of the conference call clearly, adjust each sound source individually.

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. You can download and install Konftel Unite free from App Store and Google Play like any other application. You can 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 (you can answer and hang up the call, mute the microphone, dial a number, adjust the volume level, and etc.).

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.

You can configure Konftel Unite parameters on the phone and from the mobile device with the application installed.

Pairing and connecting devices

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

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

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

Install Konftel Unite on your mobile device.

⇨ On your mobile device, open Konftel Unite.

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.

PHONE MANAGEMENT APPLICATION

- 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 on the screen.

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

⇨ Press **OK** on the conference phone to start pairing.

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

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

Disconnecting devices

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

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

- To disconnect from the mobile device, do the following:
  a) In Konftel Unite, tap the connection symbol in the upper left corner of the screen.
  b) Optional: Under **Change device**, select another conference phone to connect to. Note that 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 the conference phone, do the following:
  a) On Konftel 800, tap **Settings** > **Unite**.
  b) Tap **Disconnect device**.

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

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Deleting pairing

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

Pair Konftel 800 with a mobile device with Konftel Unite.

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

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

⇨ Tap **Remove bonding information**.

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

Checking the calendar and today's agenda

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

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

⇨ On your mobile device, open Konftel Unite.

⇨ Tap the **Calendar** icon.

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

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

Your calendar must contain an invitation to a conference call. The contact information in the conference invitation must comply with the E164 international

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phone number standard. This guarantees that Konftel Unite interprets the information correctly.

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

The application finds the closest Konftel 800.

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

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

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

Starting an unscheduled call

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

Ensure that Konftel 800 is paired with Konftel Unite.

⇨ Choose a number to call by doing one of the following:

- Select a number from your **Contacts**.
- Select a number from your **Favorites** list.
- Select a number from the **Recent** calls list.
- Dial a number by using the keypad.

The phone dials the number, and the call starts. The screen displays the name of the person with whom you are speaking if this number is registered in the phone book.

⇨ 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 **Conference**.

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

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

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

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

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

⇨ Tap **Hang up** to end the call.

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Managing contacts

Use this procedure to manage contacts with Konftel Unite.

⇨ On your mobile device, open Konftel Unite.

⇨ Tap the **Contacts** icon.

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

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

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

Configuring the Konftel Unite settings

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

⇨ Run Konftel Unite on your mobile device.

⇨ Optional: Connect to Konftel 800.

  The phone displays a connection symbol on the screen.

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

Konftel Unite settings

You can set the following parameters for Konftel 800 from the Konftel Unite interface:

Name	Description
Connection	To enable or disable the connection to Konftel 800. The options are: • **On**: The default option. • **Off**: To use Konftel Unite without connection to any Konftel 800. You can use the conferencing application from your mobile device within your mobile phone subscription.

Table continued…

PHONE MANAGEMENT APPLICATION

Name	Description
Moderator code	To join the scheduled conference calls as a moderator. You must enter respective codes in the following fields: • **Use moderator code**: To host conference calls over a bridge service. For every call you join, Konftel Unite uses your moderator code instead of your guest code. • **Instead of guest code**: To specify the guest code instead of which Konftel Unite uses your moderator code.
Dial prefix	To enter the prefix digits in the **Use prefix** field.
My bridge	To enter the phone number and optional PIN code of the most frequently used conference service. You can use the **My Bridge** button to join the conference call. The **My bridge** button appears in the calendar view.
Meeting notification	To set a reminder about a call. The options are: • 5 minutes before • 10 minutes before • 15 minutes before • Never
Calendars to show	To select the calendars in the mobile phone from which you want Konftel Unite to take the information.
Tell a colleague	To share information about Konftel Unite with a person that you want. You can do it by using an email application. After you confirm that Konftel Unite can get access to your email application, you see a message created. Along with the description of the application, it contains links to Konftel Unite in App Store and Google play so that the person can easily start the download.
Read more about Unite	To get additional information about Konftel Unite. The application forwards you to the web site with the corresponding information.

Table continued…

PHONE MANAGEMENT APPLICATION

Name	Description
Feedback and support	To share your experience of using the application and request for support. The options are: • A messenger, for example, Viber, WhatsApp, Telegram, and etc. • An email application • Connection by Bluetooth
Diagnostics	To select a log of the events for Konftel Unite. You can send the created log by tapping **Send** through an email application. The log can be used in troubleshooting. You can also delete the logs from the application by tapping **Clear**.
Show tutorial	To read information about Konftel Unite features.
About Konftel Unite	To check the version of the application installed on your mobile device

FEATURES AND ACCESSORIES

EXPANSION OF THE PHONE COVERAGE

You can 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. You can 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

You can organize 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

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 **Mute**.
- Send information to the master device when you adjust the volume on it.

ⓘ It is not possible to make calls between the master and the slave devices.

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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 5W.

Arranging a daisy chain

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

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

The cable of the Smart Mic is 3 m long.

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

There are 2 audio expansion ports on Konftel 800.

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

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

Defining the mode of the phone

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

Log in as the administrator.

- To define the mode of your conference phone on the phone, do the following:
  a) On the phone screen, tap **Settings** > **Phone** > **Daisy chain**.
  b) Select the required mode.

    The following options are available:

    - Master
    - Slave

    The phone restarts the application.
- To define the mode of your Konftel 800 through the web interface, do the following:
  a) On the web interface, click **Basic**.
  b) In **Daisy chain mode**, select the required mode from the drop-down list.

    The following options are available:

FEATURES AND ACCESSORIES

- Master. This is the default mode.
- Slave

c) Click **Save**.

After the return to the Home screen, the phone restarts the application.

The slave unit shows the following message on the screen: "Daisy chain slave". This message remains for the period when the phone is in the slave mode within the daisy chain arrangement.

MAINTENANCE

DEVICE STATUS

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

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

Section name	Description
General	To show the status information of Konftel 800, including the following: • Phone name • Product name • Build version • Hardware (HW) revision • Serial number • Smart Mic 1 firmware version • Smart Mic 2 firmware version
Network	To show the information about the network settings of the phone. You can see the following information: • IP address • MAC address • Bluetooth MAC address • Hostname • Network mask • Domain • Gateway • Primary DNS • Secondary DNS
SIP	To show the information about the SIP settings of the phone. You can see the following information:

Section name	Description
	• Primary account status • Secondary account status • Fallback account status
Time and region	To show the information about the time and region settings of the phone. You can see the following information: • Time • Date • Timezone

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

Viewing the phone status

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

⇨ Log in to the web interface with the administrator's password.

⇨ Select the **Status** tab.

LICENSES

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

• **BSD**. This is the Berkeley Software Distribution system for distribution of the source code to the operating system.
• **GPL v2.0**. This is the General Public License, version 2.0, which guarantees the end users the freedom to run, study, share and modify the software.
• **LGPL v2.1**. This is the Lesser General Public License, version 2.1, which is applicable to specially designated software packages of the Free Software Foundation and some other authors.
• **GFDL v1.2**. This is the GNU Free Documentation License, version 1.2, providing the freedom to copy and redistribute specific documentation.
• **GFDL v1.3**. This is the GNU Free Documentation License, version 1.3.

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- **ISC**. This is the Internet Systems Consortium permissive free software license.
- **MIT**. This is the Massachusetts Institute of Technology permissive free software license.
- **OpenSSL**. This is the license to use OpenSSL being a software library for applications that secure network communications and help to identify the party at the other end.
- **PHP v3.0**. This is the license under which the PHP scripting language is released.
- **bzip2**. This is the license to a free and open-source file compression software that compresses single files.
- **socat**. This is the license to a relay for bidirectional data transfer between two independent data channels.
- **Libpng**. This is the license which defines the terms under which the libpng software library can be distributed.
- **Qt-Company-Commercial**. This is the license for development of proprietary software when the source code is not to be shared with third parties or there are other inconsistencies with the terms of the LGPL license.
- **TI-TSPA**. This is the Texas Instruments Incorporated license to publicly available technology and software.
- **Zlib**. This is the license which defines the terms under which the zlib software library can be distributed.

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

Viewing licenses

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

⇨ Log in to the web interface.

⇨ Select the **Licenses** tab.

⇨ Select the license that you want to view from the list of licenses available.

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

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