

# User guide The Konftel 200W conference phone

English



# OmniSound®

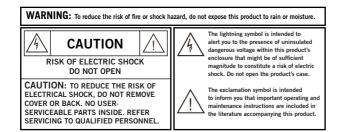
This product is equipped with OmniSound®, the crystal clear sound.

#### **DECT** conforms to the GAP standard

DECT – Digital Enhanced Cordless Telephone. DECT incorporates encryption for maximum call security. GAP (Global Access Profile) ensures the interoperability of DECT equipment of different manufacturers.



Konftel AB hereby declares that this conference unit complies with all essential requirements and other relevant provisions of Directive 1999/5/EC.



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#### DESCRIPTION

#### **GENERAL**

The Konftel 200W is a DECT conference phone with an omnidirectional, highly-sensitive microphone which, together with Konftel's OmniSound® and the built-in speakers, provide optimal sound quality and maximum reduction of room echo, even when the person speaking is standing at a slight distance from the conference unit. The pickup range is up to 30 m².

Expansion microphones can be connected to the Konftel 200W to provide increased range and optimal sound conditions in larger meeting rooms. By turning up the loudspeaker volume level, the pickup range increases from 30  $\text{m}^2$  to 70  $\text{m}^2$ . The optional remote control adds further ease to meetings, allowing you to control all the Konftel 200W functions such as the speed dialling keys for the most frequently used phone numbers.

The Konftel 200W connects to different makes of GAP-compatible DECT systems. You can find out which DECT systems have been tested with the Konftel 200W on our website, **www.konftel.com**. If your office does not have a compatible DECT system, Konftel can supply a DECT base station for analogue connection.

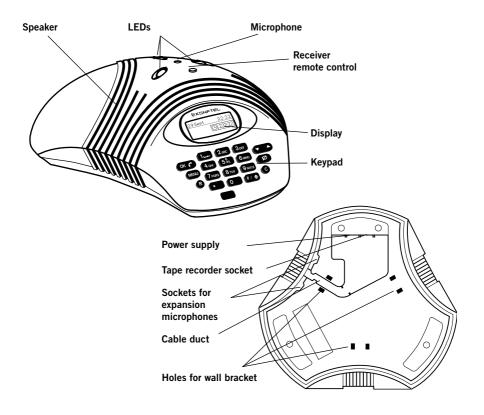
Please note that you need to connect (register) your Konftel 200W to a DECT base station before it can be used. There is a description of the **Konftel DECT base station** in the User guide, along with instructions on how to connect (register) the conference phone to an DECT base station.

Check that all parts are included in the package. If any parts are missing, please contact your retailer.

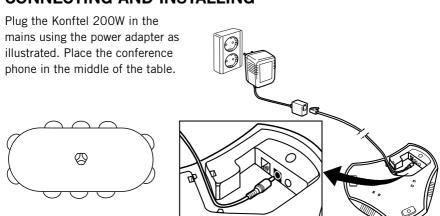
The Konftel 200W conference phone Power adapter with 6-metre cable Quick reference guides in different languages CD with user guides in different languages

#### **MAINTENANCE**

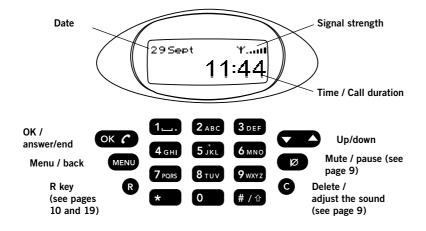
Clean the equipment with a soft, dry cloth. Never use liquids.



# **CONNECTING AND INSTALLING**



#### **DISPLAY AND KEYPAD**

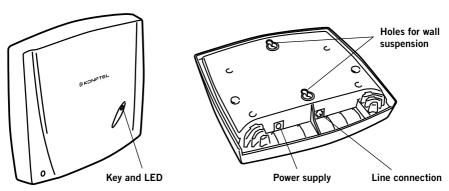


#### Characters for text input

See page 11.



# **KONFTEL DECT BASE STATION (ACCESSORIES)**

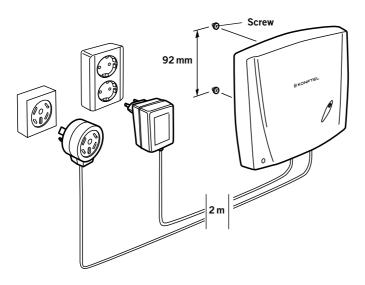


#### Connection

Connect the base station to a telephone jack and the mains using the power adapter as illustrated.

# Wall suspension

The base station can be mounted on the wall. Use the screws provided as illustrated. Make sure it is securely mounted.



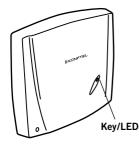
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#### REGISTERING KONFTEL 200W WITH A BASE STATION

The Konftel 200W has to be registered with a base station before it can be used. Note that both the base station and the Konftel 200W have to be put into registration mode.

These are the instructions for registering with a Konftel DECT base station. If registering Konftel 200W with other makes of base station, follow the same procedure. Please refer to your base station user guide if you are unsure.

#### Set the Konftel DECT base station in registration mode



⇒ Press and hold the key/LED on the base station for at least 2 seconds until it starts to flash.

The base station is now in registration mode. Once registration has been completed, the LED will stop flashing. If the base station does not identify a DECT phone within 2 minutes, the registration mode will switch off automatically.

# Set the Konftel 200W in registration mode



⇒ Press the **MENU** key.



⇒ Select the menu "Tools" using the **Up/down** key.





Select the menu **Reg** using the **Up/down** key.



OK  $\boldsymbol{c}$   $\Rightarrow$  Press **OK**.



ightharpoonup Select a base (1-4).

If no base station has been programmed, choose no. 1. Numbers that are ticked are being used.



⇒ Press **OK** 



ightharpoonup Select a DECT system.

ok **c** ⇒ Press **OK**.

PIN: \*\*\*\*

PARK:

**0-9...** ⇒ Enter the security code (PIN code) (standard code is **0000**).

OK C ⇒ Press OK.

Some DECT systems (not Konftel DECT Base Station) require a PARK code. Check with your company's switchboard supplier.

⇒ Enter the PARK code if this is required. Otherwise, leave blank.

OK C □ □ Press OK.

Your Konftel 200W is now in registration mode and is searching for a base station in registration mode.

Wait until you receive confirmation that registration has been completed. (The base station has to be in registration mode.) Registration can be interrupted by pressing **C**.

If registration was successful, the word **Done** will appear in the display.

OK C ⇒ Press OK.

The Konftel 200W is now ready to use. Please see page 14 for other menu options and settings.

#### If registration was not successful

If registration was not successful, the word **Fail** will appear in the display.

Possible reasons for this:

- Incorrect security code (check with your company's switchboard administrator)
- Incorrect or missing PARK code (check with your company's switchboard administrator)
- No base station within range or not activated in registration mode

Done

Search

7

#### **ANSWERING CALLS**

Δ

A ring tone will be heard and the blue LEDs start flashing.



⇒ Press **OK** to answer.



The display shows the duration of the call.

#### MAKING CALLS



⇒ Press OK



0-9... ⇒ Dial the number.

or



0-9... □ Dial the number



⇒ Press **OK**.

The number is called within 3 seconds.



The display shows the duration of the call.

#### Redialling

You can easily redial the number you last called.





⇒ Press the up arrow.

The last dialled number appears in the display.



⇒ Press **OK**.

The number is called within 3 seconds.

#### Speed dialling



⇒ Press the **Up/down** keys repeatedly.

The pre-programmed names in the phonebook appear in alphabetical order. The last dialled number appears first.



⇒ Press **OK** to call the selected name/number. The number is called within 3 seconds.

PHONEBOOK

PETER G.

#### **DURING A CALL**

#### Adjusting the speaker volume





□ Increase the speaker volume using + and lower it using -.

#### Mute function





- ⇒ Press the **mute** key to turn the microphone off.

  The LEDs change from blue to red. The other party cannot hear what you are saying.

#### Adjusting the sound manually

Konftel 200W adjusts itself automatically when you switch it on to eliminate echo. It also senses changes in the room and continually adapts during the call. If, despite this, you still experience reduced sound quality, Konftel 200W can be adjusted manually at any time.

A short noise is heard.

# **ENDING CALLS**



 $\Rightarrow$  End the call by pressing **OK**.

#### MAKING MULTI-PARTY CALLS

Konftel 200W supports the switchboard's multi-party call feature. Please note that the number of people who can be connected to a call may be limited by the service provider and the PBX to which Konftel 200W is connected.

Most service providers offer a phone meeting service to make it easy to create multi-party calls. This could be a smart option for linking up several participants.





⇒ Call the first participant (dial the number and press OK).

When the call has been connected:





⇒ Press the **R** kev. A second dialling tone is heard.

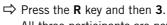




⇒ Dial the second participant's number and wait for an answer.







All three participants are now linked together in one call.

#### What if no one answers when you dial the second number





**R** 1 $\longrightarrow$  Go back to the first call by pressing **R** then 1.

#### If you experience problems making multi-party calls

There may be several reasons for this.

The R key sends instructions to the base station, which then sends a pulse to the telephone line. The duration of the pulse varies depending on the country and switchboard. Read "Adjusting R key function" on page 19.

Your switchboard may not be programmed to admit multi-party calls. Contact your company's switchboard administrator to initiate this service.

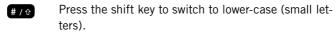
Your switchboard may require a different command to R3 to link up all call participants. Please consult Konftel's website under FAQ for other commands.

#### UPDATING THE PHONEBOOK

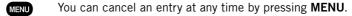
The Konftel 200W has a phonebook that holds up to 50 entries. This makes it easy to call frequently used numbers. See page 8 for making calls using the speed dial list.

#### General information about entering text using the keypad

Enter a name in the address book using the keypad. Each key covers a number of letters and other characters - far more than shown on the key (see page 4). Press the same key repeatedly to change to another character. If there are two letters under the same key that you want to enter one after the other, you need to pause slightly before entering the second letter.

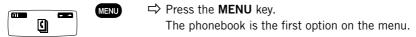






The mute key inserts a slight pause in speed dial Ø numbers. You might find this useful if you are calling via a switchboard and have to dial a nought in order to get a dialling tone. A pause might be necessary in some cases to give the dialling tone time to be activated.

#### Adding new numbers





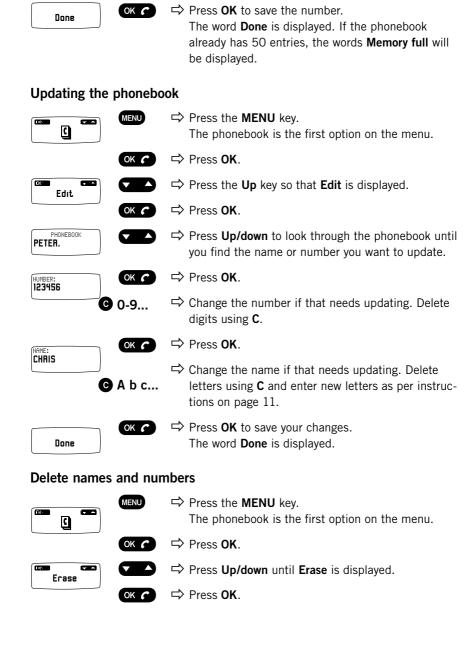
⇒ Press OK. MI IMPED 123456 The last dialled number is automatically displayed.

> ⇒ Enter the number you require (unless you want the 0-9... last dialled number).

> ⇒ Press **OK**.

NAME: **A b c...** ⇒ Enter a name using the keypad. Press a key repeat-CHRIS edly to change to another character.

### **ADVANCED FEATURES**



# **ADVANCED FEATURES**

PHONEBOOK
PETER G.

Erase?

Done

⇒ Press **Up/down** to look through the phonebook until you find the name or number you want to delete.

(Press  $\mathbf{MENU}$  to cancel without deleting the number.)

#### ADJUSTING RING VOLUME

MENU

⇒ Press the **MENU** key.





⇒ Select "Ring tone" using the **Up/down** key.



⇒ Press **OK**.





⇒ Select the desired volume of the ring tone using the Up/down key.

The selected volume is displayed. The ring tone can be turned off by selecting the symbol that shows a crossed-out bell.





⇒ Press **OK**.

The selected setting is saved.

#### ADJUSTING DATE AND TIME



⇒ Press the **MENU** key.





⇒ Select "Date and time" using the **Up/down** key.



OK C

⇒ Press **OK**.

The current date and time appear in the top of the display. A two-way arrow appears under the date.



2:20

□ Change the date using the Up/down key and confirm with OK.

The two-way arrow then moves to the month.



⇒ Change the month and confirm with **OK**.



Change the year and confirm with **OK**. Change the hour and confirm with **OK**.

Change the minutes and confirm with **OK**.

The selected setting is saved.

Done

#### CHANGING LANGUAGES



⇒ Press the **MENU** key.



⇒ Select "Language" using the **Up/down key**.



⇒ Press **OK**.



⇒ Select the language you require using **Up/down**.

OK C ⇒ Press OK.

The selected setting is saved.

#### **ADJUSTING KEY TONE**

You can select whether or not you want a tone to be heard when you press a key. Note that this setting does not affect the key tone you hear when you dial a number.



⇒ Press the **MENU** key.



⇒ Select "Tools" using the **Up/down** key.



⇒ Press **OK**.



OK C

⇒ Press **OK** again to confirm **Keypad tone** which is the first option on the menu.



⇒ Select **On** or **Off** using **Up/down**.



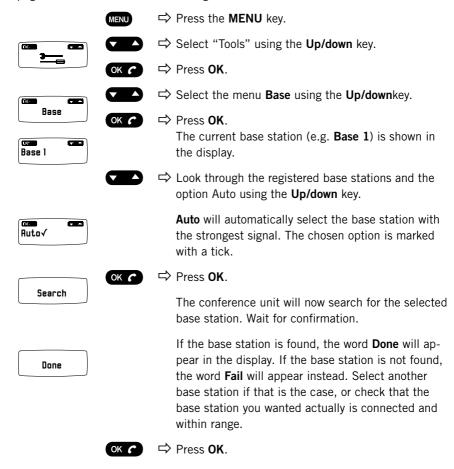
⇒ Press **OK**.

Done

The selected setting is saved.

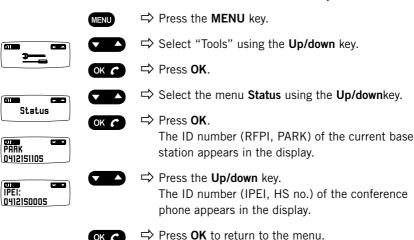
#### SELECTING A DECT BASE STATION

Use this option to choose one of the registered base stations. You can also let Konftel 200W automatically select the base station with the strongest signal. See page 6 for instructions on how to register with a new base station.



#### **SHOWING STATUS**

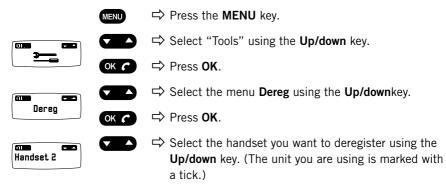
Use this option to check the ID number of either the conference unit or base station. This information can be useful in an installation with many units.



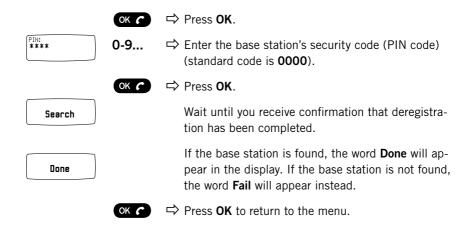
#### **DEREGISTERING A PHONE**

This only applies to a Konftel DECT base station.

Seven telephones (handsets or Konftel 200W) can be registered with a Konftel DECT base station. Use this option to deregister (remove) a telephone from the base station. Note! You cannot deregister the unit that you are using for deregistering, i.e. Konftel 200W cannot deregister itself.



#### **SETTINGS**



### **REGISTERING A NEW BASE STATION**

See page 6.

#### SEARCHING FOR A DECT HANDSET

This only applies to a Konftel DECT base station.

You can let a Konftel DECT base station search for telephones (handsets or Konftel 200W) that are registered with the base station. A handset normally emits a tone while being searched for by the base station. The Konftel 200W emits an audible tone when it is being searched for by the base station and the word **PAGE** appears in the display. Press any key on the Konftel 200W to escape from this mode.



- ⇒ Briefly press the key/LED on the base station.

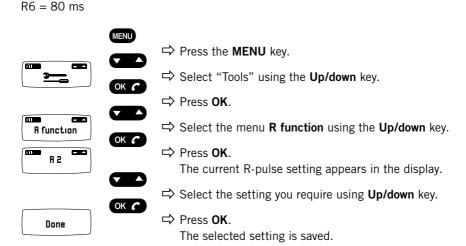
  The base station is now in search mode and the blue LED flashes slowly.
- □ Localising the telephones.
- ⇒ Press one more time to escape search mode.

# ADJUSTING R KEY FUNCTION (FLASH DURATION)

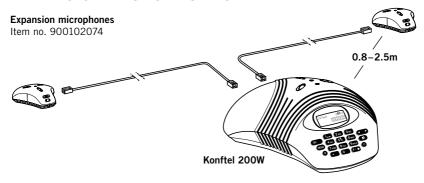
This only applies to a Konftel DECT base station.

The R-function (one of its functions is to create multi-party calls) is based on the phone sending a special R-pulse (flash). The various phone systems and PBXs of other countries require different durations for activating the R-pulse. With the Konftel 200W, the R-pulse duration can be adjusted accordingly.

R1 = 65 ms R2 = 100 ms R3 = 150 ms R4 = 270 msR5 = 600 ms

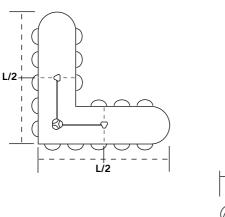


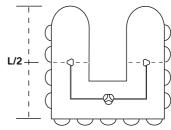
# **EXPANSION MICROPHONES**

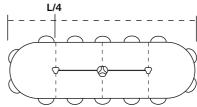


#### Installation

The expansion microphones should be positioned as illustrated to achieve the best possible sound quality.







#### Connecting and programming

Two expansion microphones can easily be added onto the Konftel 200W to increase the pickup range up to 70 m<sup>2</sup>. The expansion microphones are supplied with two different cable sets. 1.5 and 2.5 m.

- ⇒ Unplug the power cable from the conference unit.
- ⇒ Place the expansion microphones at least 0.8 m and no more than 2.5 m from the Konftel 200W and connect them using the cables provided.
- ⇒ Plug the power cable in again.



The microphone in the Konftel 200W is now deactivated. The display indicates that the expansion microphones are activated. Always unplug the power cable before removing the microphones.

#### Adjusting the speaker volume



△ ⇒ Press the **up** or **down** key on one of the expansion microphones to adjust the speaker volume.

#### Manual adjustment



manual adjustment (see page 9).

A short noise is heard.

#### Mute function



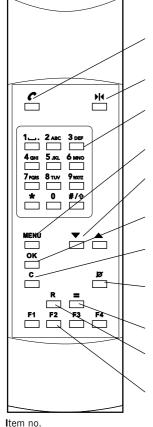
⇒ Press the **mute** key on one of the expansion microphones to switch off the microphones.

The LEDs change from blue to red. The other party cannot hear what you are saying.

⇒ Press the **mute** key again to switch the microphones back on again.

#### REMOTE CONTROL

Konftel 200W has an optional remote control. This allows you to control all the functions from wherever you are in the room.



900102038

Lifts "the handset" or hangs up, whether Konftel 200W is in a menu mode or not. If the phonebook is displayed, the number will be dialled.

Adjusts Konftel 200W to the acoustics of the room.

Keypad for dialling numbers or entering names in the address book. (See pages 4 and 11.)

Opens or closes menu mode.

Adjusts the volume, goes through the phonebook and the menus.

OK in menus. This works in the same way as the handset key when a menu is not active.

Deletes characters when dialling numbers or entering names. Exits menus without saving changes.

Mute function. Turns the microphones on and off. Inserts pause in speed dial numbers (see page 11).

Calls last dialled number irrespective of menu mode.

R-function. Used for some operator services (e.g. multi-party calls, see page 10).

Speed dialling keys. When a speed dial number is saved or updated in the phonebook, it can be stored by finishing off the programming with a function key instead of OK. Then when the key is pressed, the stored number is dialled. Note that by storing a new number on a key that already has a speed dial number, you will delete the first number.

# ITEM NUMBERS FOR ACCESSORIES AND SPARE PARTS

Item no. Designation

149110 Ceiling mount suspension

900102038 Remote control

900102061 Anti-theft device, max. length 3 m

900102071 Konftel DECT base station

900102074 Expansion microphones (1 pair) 900103339 Extension cord electrical, 10 m 900103340 Extension cord telephone, 10 m

900103342 Tape recorder cable 9146030 Wall mounting bracket

# **TROUBLESHOOTING**

If your Konftel 200W is not working:

- Check that the microphone is turned on during the call. The blue microphone LEDs should be lit.
- 2. Check that the Konftel 200W is within range for a DECT base station and that it is registered with the base station. Read more on page 7.
- Bypass any extension cables and see if the Konftel 200W works properly. If not, contact your retailer.
- 4. Disconnect the expansion microphones and see if the Konftel 200W works without them. If not, contact your retailer.
- 5. If the Konftel 200W needs to wait for a second dialling tone, you should enter a pause using the pause/mute key when entering a telephone number as an instruction or in the phonebook.

#### **KONFTEL 200W CONFERENCE PHONE**

Power supply: Transformer 12V DC/230V AC, 700mA (Europe)

Transformer 12V DC/120V AC, 700mA (USA)

Speaker volume: Adjusts to 15 levels

Room echo reduction: 208 ms Line echo reduction: 38 ms

Environment: Pickup range <30 m<sup>2</sup>

Reverberation time in room <500 ms

Background noise <45 dBA Temperature range: 5–40° C

Dimensions: Diameter 232 mm

Weight: 700 grams

**Approvals** 

Electrical safety: EN60950:2001

EMC: EN301489-01/06:2000

DECT/radio: European DECT standard: EN301406-V1.4.1 2001

(DECT frequency: 1880-1900 MHz, average power is 10

mW per channel

DECT output power: 250 mW peak power in one of 24

time slots, ~10mW/channel

DECT range: Unobstructed range, up to 300 metres.

Indoor range, up to 50 metres).

GAP standard: TBR22

The unit can generate a tone when used in environments where there is strong radio interference or high-frequency interference in the power supply cable and will then resume normal function once the interference has stopped.

#### **TECHNICAL DATA**

# **KONFTEL DECT BASE STATION (ACCESSORIES)**

Power supply: Transformer 230 V AC/6 V DC, 300 mA

Cable length: 2 metres

Tele connection: Analogue PBX or PSTN, RJ-11

Compatibility: A Konftel DECT base station is GAP-compatible and can

be connected to analogue lines or any PBX equipped with an analogue extension. Up to 7 GAP-compatible DECT units can be connected to a Konftel DECT base station

Dimensions: 175x160 mm Weight: 240 grams

**Approvals** 

Electrical safety: EN60950:2001

EMC: EN301489-01/06:2000

DECT/radio: European DECT standard: EN301406-V1.4.1 2001

(DECT frequency: 1880–1900 MHz, average power is 10

mW per channel

DECT output power: 250 mW peak power in one of 24

time slots. ~10 mW/channel

DECT range: Unobstructed range, up to 300 metres.

Indoor range, up to 50 metres).

GAP standard: TBR22

Tele: TBR21:1998

# **EXPANSION MICROPHONES (ACCESSORIES)**

Power supply: Power from microphone output

Cabling: Modular 4/4-contacts, 2x1.5 m and 2x2.5 m

Environment: Temperature range: 5–40° C

Dimensions: Diameter 105 mm, height 30 mm

# **REMOTE CONTROL (ACCESSORIES)**

Batteries: 4 x RO3, 1.5V

Environment: Temperature range: 5–40°C

Range: Up to 5 metres

Dimensions: 205x55x21mm (LxBxH)

Weight: 140 grams Keyboard: 26 keys

# **SERVICE AND GUARANTEE**

Contact a Konftel retailer first if your conference telephone needs servicing.

See the American User Guide for guarantee terms and information on American FCC and Canadian FCC and IC norms (in English only). Contact Konftel support for more information.

#### Konftel support

+46(0)90-706 489 (Monday-Friday 08.00-17.00)

E-mail: info@konftel.com

#### **USA and Canada:**

+1 866-606-4728 (Monday-Friday 08.00-17.00)

E-mail: konftel.usa@konftel.com

**Konftel** is a leading company within loudspeaker communication and audio technology. We develop and sell products and technology for telephone conferences based on cutting-edge expertise within acoustics and digital signal processing. Characteristic of our products is that all conference telephones contain the same high quality audio technology – OmniSound® providing crystal clear sound. Read more about Konftel and our products on **www.konftel.com**.

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