



User guide

Conference unit Konftel 60W

English

Conference phones for every situation





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OmniSound®





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



We, **Konftel AB** declare under our sole responsibility that our product **Konftel 60W** to which this declaration relates is in conformity with the appropriate standards EN 300 328, EN 301 489-17, EN 301 489-7 and EN 60950 following the provisions of Radio Equipment and Telecommunication Equipment directive **1999/5/EC** with requirements covering EMC directive **89/336/EEG** and Low Voltage directive **73/23/EEG**.

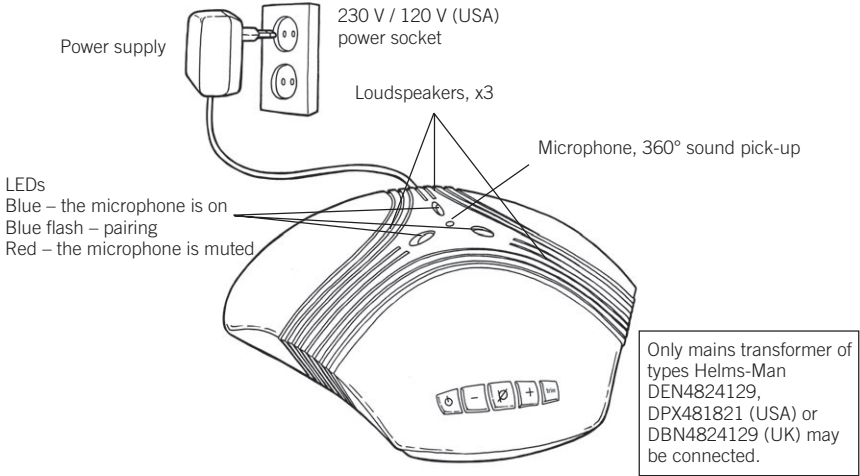
Umeå, May 2004

Peter Renkel, CEO Konftel AB

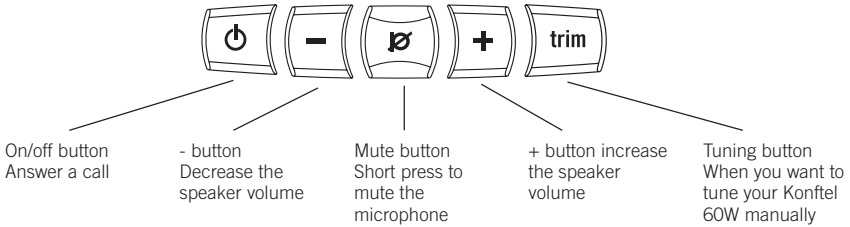
WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.		
	CAUTION	
RISK OF ELECTRIC SHOCK DO NOT OPEN		
CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		
	The lightning symbol is intended to alert you to the presence of uninsulated dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.	
	The exclamation symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.	

Using Bluetooth	
Connection	2
Preparing the phone	3
Adding to devices	3
Resetting	3
Ring signal	3
Call	4
Adjusting loudspeaker volume	4
Mute function	4
Tuning	5
Disconnecting the Bluetooth link	5
Deactivating Bluetooth	5
Special functions:	
Voice command calls	6
Last number dial	6
Answering a second call	6
Conference calls	6
Rejecting a call	7
Rejecting a second call	7
Transferring calls	7
Using a system phone	
Connection	8
Call	9
Adjusting microphone volume	9
Using a computer	
Connection	10
Adjusting loudspeaker volume	11
Adjusting microphone volume	11
Accessory: USB adapter	12
Accessory: Bluetooth adapter	13
Accessory: Mobile cables	14
Accessory: Extra microphones	16
Additional accessories	17
Troubleshooting	18
Technical data	20
Warranty	21
Service	22
FCC Information	23
Statement	25

Connection



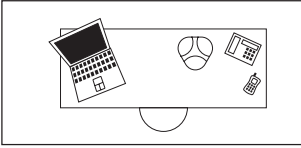
Buttons



PLEASE NOTE:

Some phones do not support all functions. For further information, please refer to the phone user guide.

The Konftel 60W is designed to support the headset and handsfree profile for the Bluetooth standard 1.1.



Preparing the phone

To be able to use the Konftel 60W with your phone, you need to add it to the list of devices (also called 'pairing'). The Konftel 60W can store up to 8 phones.

To achieve optimal performance, the distance between the Konftel 60W and the phone should not exceed 5 meters.



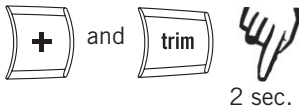
Add your phone and remove other stored phones

Hold the Tuning button (trim) for up to 2 seconds for the headset profile/4 seconds for the handsfree profile until the blue indicator lights start flashing. Set your telephone according to the instructions for adding a Bluetooth device as described in the phone user guide.



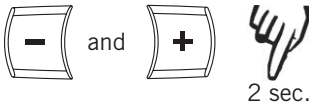
Select the Konftel 60W from the list of devices. Enter the passkey "0000".

If pairing is successful, you will hear a short tone and the indicator lights will stop flashing.



Add your phone and keep other stored phones

Hold the Tuning button (trim) for up to 2 seconds until the blue indicator lights start flashing.



Resetting the Konftel 60W

To remove all pairing information and restore default settings, hold - and + buttons simultaneously for up to 2 seconds until you hear a short beep.



Ring signal

Press the - button for up to 2 seconds to turn on/off the ring signal for incoming calls. Default setting ring signal off. The indicators light up to indicate an incoming call.



Answering a call

When the Konftel 60W rings, press the On/Off button.
Note: If the telephone rings first, wait until your Konftel 60W rings, and then press the On/Off button.



Making a call

Make a call with your telephone as usual and transfer the call from your phone to the Konftel 60W. Please refer to your phones User Guide for instructions.



2 sek

Transferring a call

During a call, press the On/off-button for 2 seconds to transfer the call back to your phone.



Ending a call

The Konftel 60W will switch off automatically, or press the On/Off button to end a call.



and



Loudspeaker volume control

Adjust the speaker volume with the - and + buttons.
Note that the system telephone volume control affects your Konftel 60W loudspeaker volume.



2 sec.

Microphone volume control

Keep the Mute button pressed down for about 2 seconds until the indicator lights start flashing and you hear a tone.



and



Press - or + to adjust the microphone volume. Speak in a normal voice so that the person you are talking to can ask you to raise or lower the volume. Alter the volume one step at a time.



Press the Mute button to save the volume setting.
Note: The volume control must be lowered if the other person can hear their own voice or an echo.



Mute function

Switch off the microphone. The indicator lights change from blue to red. The receiving party cannot hear what you are saying. Press again to switch on the microphone.

Automatic tuning

The sound is adjusted automatically to eliminate echoes when the Konftel 60W is switched on. It also senses changes in your room and continually adapts itself during the call.



Manual tuning

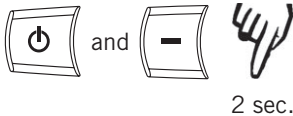
The Konftel 60W can be manually tuned at any time to eliminate echoes. Press the tuning button (trim). A brief noise will be heard.



Disconnecting the Bluetooth link in 'off' state

To save power in your phone, press the Mute button to disconnect the Bluetooth link. The link is automatically reconnected to your phone when needed.

You can also transfer calls and disconnect Bluetooth by using the phone's menu system. Please refer to your phone user guide.



Deactivating Bluetooth

Deactivate/activate Bluetooth by pressing the On/Off button for 2 seconds.

These functions only work if your telephone supports them.



2 sec.

Making a call using voice command

Hold the + button for up to 2 seconds until you hear a short beep. For more information on voice dial, please refer to the phone user guide.



2 sec.

Last number redial

To call up the last number dialled from your phone, press the Mute button for up to 2 seconds until you hear a short beep.



2 sec.

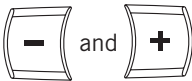
Answering a second call

The + button puts the active call on hold and accepts the incoming call. You can switch between calls by pressing the + button again.



2 sec.

The tuning button (trim) ends the active call and accepts the incoming call.



2 sec.

Conference call

When a second call is answered by using the + button, the calls can be connected to a conference call by holding the - and + buttons simultaneously for up to 2 seconds.



2 sec.

Rejecting a call

When the Konftel 60W rings, press the On/Off button for up to 2 seconds until you hear a short beep.



2 sec.

Rejecting a second call

Reject a second call by pressing the On/Off button for up to 2 seconds until you hear a short beep.



2 sec.

Transferring calls between the Konftel 60W and your phone

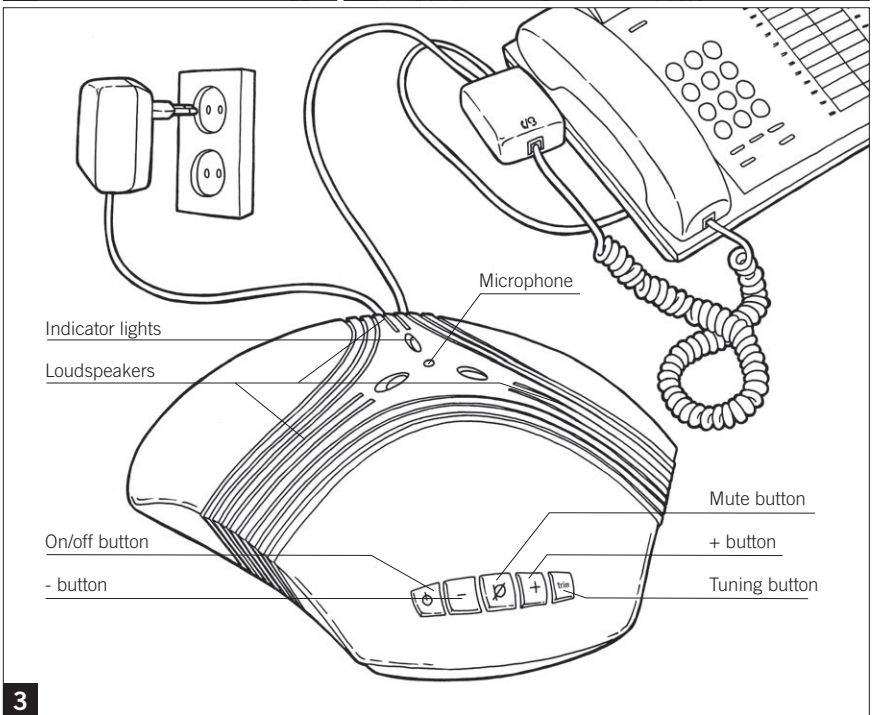
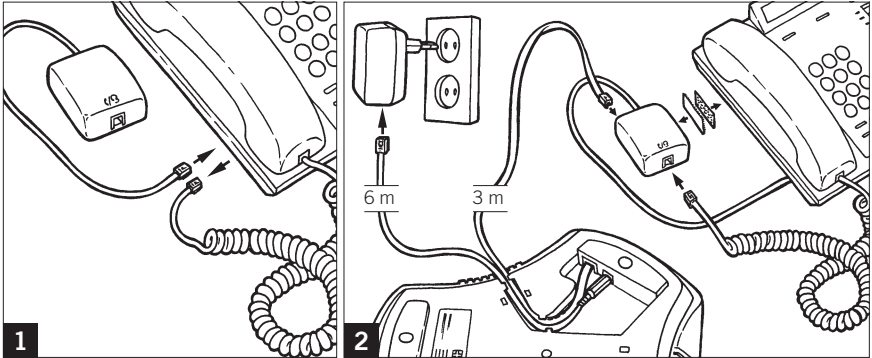
You can transfer an active call from your phone to the Konftel 60W by pressing the On/Off button for 2 seconds.



2 sec.

Transfer the active call back to the phone by pressing the On/Off button for 2 seconds.

Only mains transformers of types Helms-Man DEN4824129, DPX481821 (USA) or DBN4824129 (UK) may be connected.



IMPORTANT

Adjust the microphone volume when installing the unit. See next page.



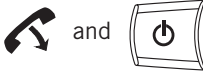
and

Making a call

Lift the handset, make a call and put the handset to one side.



Switch to loudspeaker by turning on your Konftel 60W.



and

Ending a call

To end the call, replace the handset and press the On/Off button.



2 sec.

Microphone volume control

Keep the Mute button pressed down for about 2 seconds until the indicator lights start flashing and you hear a tone.



and

Press - or + to adjust the microphone volume. Speak in a normal voice so that the person you are talking to can ask you to raise or lower the volume.

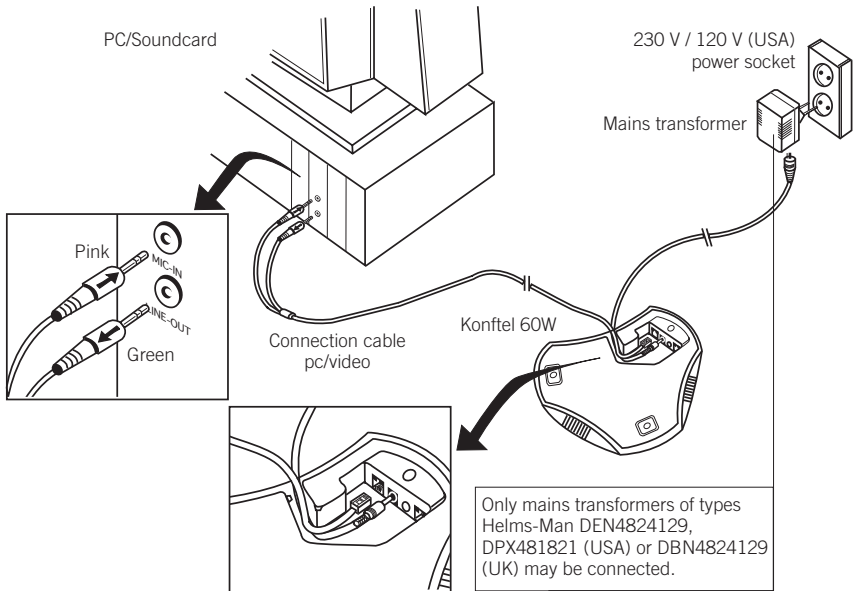
Alter the volume one step at a time.



Press the Mute button to save the volume setting.

Note: The volume control must be lowered if the other person can hear their own voice or an echo.

For Loudspeaker volume control and Mute function, please refer to page 4.



Connection to PC

The Konftel 60W is connected to a sound card on a PC or Macintosh as illustrated.

Note: To obtain full duplex speech, you must have an appropriate sound card.

Connect in the following order:

1. Connect the Konftel 60W to the sound card with the Y cable (included).
If the sound card does not have a Mic input, use the Line input instead.

LINE OUT OUT GREEN
MIC IN IN PINK

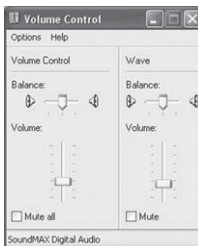
2. Connect the Konftel 60W to the transformer. Connect the transformer to the power socket.



Volume control

Select Volume control from the Start Menu:
Start > Control panel > Sounds and Audio Devices.

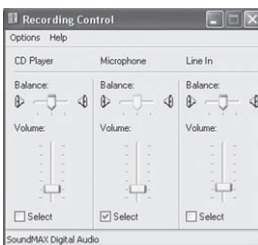
Enter the tab Audio and make sure that the sound card is the default device.



Loudspeaker volume

Select Volume and adjust the loudspeaker volume for Line out (or PC speaker).

The volume can be adjusted via the Konftel 60W when necessary.



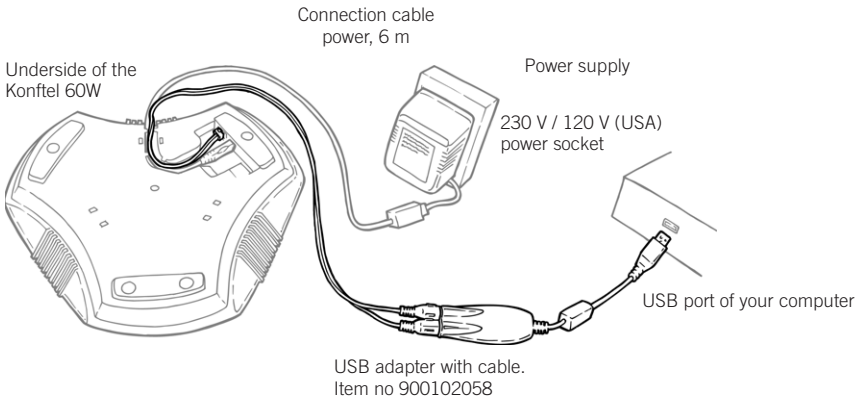
Microphone volume

Select Volume by the microphone volume.
Adjust the microphone volume for Mic in.

The volume can be adjusted via the Konftel 60W when necessary.

Connection

The USB adapter connects to the USB port on your computer and functions as an extra sound card.



Only mains transformers of types Helms-Man DEN4824129, DPX481821 (USA) or DBN4824129 (UK) may be connected.

Optimising microphone volume

Adjust the microphone volume when you install the unit to ensure optimum sound quality.



Connect a call and press the Mute button for 2 seconds until the LEDs start flashing.



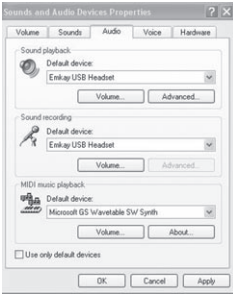
and



Adjust the microphone volume to a minimum level. Please note that if the level is too high it may cause echoes.



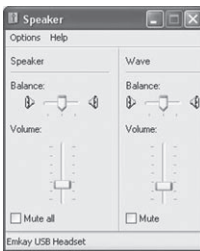
Press the Mute button to save the volume setting.



Volume control

Select Volume control from the Start Menu:
Start > Control panel > Sounds and Audio Devices.

Enter the tab Audio and make sure that the USB headset is the default device.



Loudspeaker volume

Select Volume and adjust the loudspeaker volume.

The volume can be adjusted via the Konftel 60W when necessary.



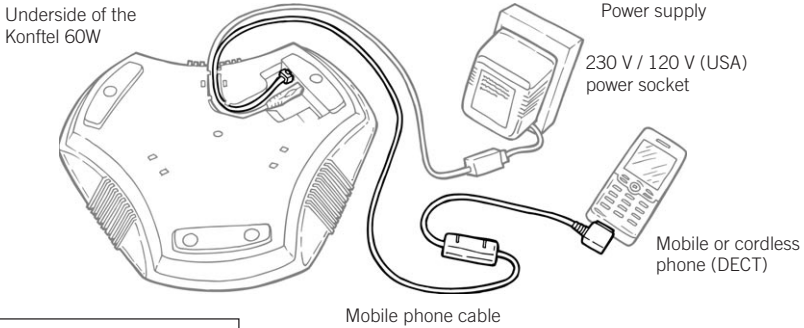
Microphone volume

Select Volume by the Microphone volume. Adjust the microphone volume for Mic in.

The volume can be adjusted via the Konftel 60W when necessary.

Connection

The Konftel 60W is connected to a GSM or wireless DECT telephone using an accessory cable, as illustrated. Cables are available for most models on the market. Refer to www.konftel.com Accessories.

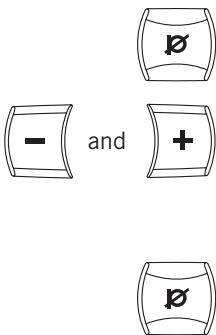


Only mains transformers of types Helms-Man DEN4824129, DPX481821 (USA) or DBN4824129 (UK) may be connected.

Note: If the GSM network has reduced functionality, this may give poor coverage and affect the sound quality. This is not due to the Konftel 60W.

Optimising microphone volume

Adjust the microphone volume when installing the unit to ensure optimum sound quality.



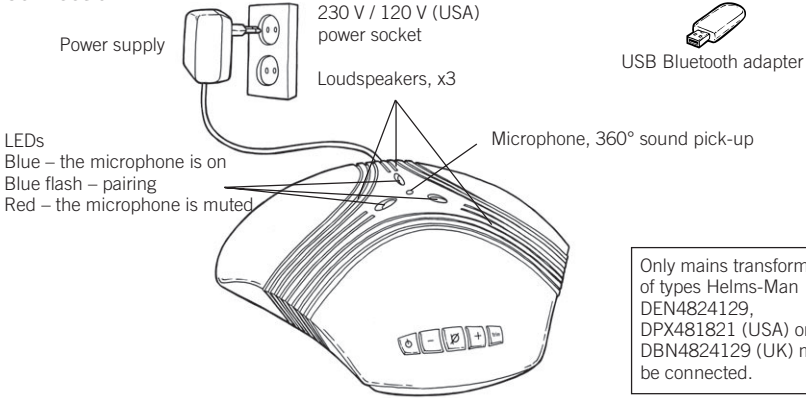
Press the Mute button for 2 seconds during your first call until the LEDs start flashing.

Adjust the microphone volume, one step at a time, until you achieve optimal sound quality. Note that if the level is too high, it may cause echoes.

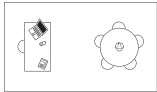
Press the Mute button to save the volume setting.

For Calling, Volume controls and Mute function, please refer to page 9.

Connection



Only mains transformers of types Helms-Man DEN4824129, DPX481821 (USA) or DBN4824129 (UK) may be connected.



Placement

You can place your Konftel 60W up to 10 metres from the telephone or computer. To achieve optimal performance, the distance between the Konftel 60W and the phone should not exceed 5 meters.

Pairing with Bluetooth dongle

Install and prepare the Bluetooth dongle on your computer as described in the instruction manual.



Press the Tuning button for 4 seconds until the LEDs start flashing and you hear 2 beeps from the Konftel 60W.

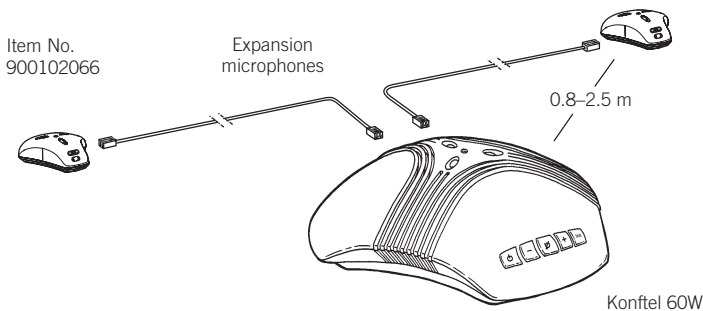
Add the Konftel 60W as a headset device to “My Bluetooth Place”. Select the Konftel 60W on the device list of the Bluetooth dongle. Enter the passkey “0000”. If the pairing is successful, you will hear a short tone and the LEDs will stop flashing.

Volume control

Select Volume control from the Start Menu:
Start > Control panel > Sounds and Audio Devices.

Enter the tab Audio and make sure that the Bluetooth audio is the default device.





For larger rooms, the Konftel 60W can be supplemented quickly and simply with two expansion microphones. It is then able to provide coverage of up to 70 m².

The expansion microphones are placed not less than 0.8 m and not more than 2.5 m from the central unit and are connected using the cables supplied **before** making the call.

Once they are connected, the built-in microphone of the Konftel 60W is disconnected. A short beep indicates that the connection was successful and that the software in the Konftel 60W has been upgraded.

The expansion microphones are supplied with two sets of cable, 1.5 m and 2.5 m.



Adjust the speaker volume by pressing the Up/Down button on the expansion microphones. Tune manually to eliminate echoes by pressing the Up/Down button at the same time. A brief noise will be heard.



Press the Mute button on the expansion microphones to switch them off. The indicator lights change from blue to red. The receiving party cannot hear what you are saying.

Accessories

Art no.	Designation
900102038	Extension cable, tele, 10 m.
9164032	Extension cable, power supply, 10 m.
9146030	Wall mounting bracket. GSM/DECT connection cables, see www.konftel.com , Accessories Konftel 60W.
900102070	Soft case.
900102058	USB adaptor.
900102066	Expansion microphones (1 pair).

Some problems that may arise when using the Konftel 60W are described below.

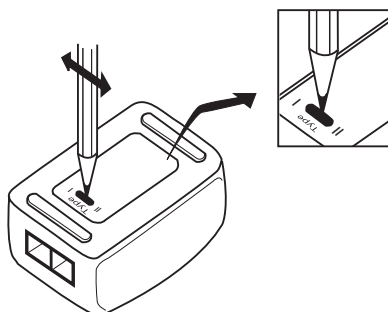
Connection and pairing

1. The Konftel 60W does not appear in the display when you try to add a new device to the phone. Make sure you have followed the instructions on page 3. Check or redo the settings in the phone.
2. A special Bluetooth function (pages 6-7) that is supported by your phone does not work with the Konftel 60W. Re-add your phone using another "pairing mode" by pressing the Tuning button for 4 seconds instead of 2 seconds until you hear 2 beeps. The Konftel 60W will then appear as a handsfree profile device instead of a headset profile device.

Connection with switchbox to a system telephone

1. Is the Konftel 60W properly connected? See the page on connecting a telephone.
2. Are the LEDs red? If so the Mute button is activated. Press the button to deactivate.
3. Have you added extension cables to the system? Remove the cables and then reconnect them to see if the system is working.
4. Check the Selector switch position on the bottom of the switchbox. The Selector switch position can be set to I or II depending on which system telephone your Konftel 60W is connected to.

Manufacturer	PBX type	Selector switch position
ERICSSON	MD110	I
	BUSINESS PHONE	I
NORTEL	MERIDIAN 1	I
	COSMOS	I
PHILIPS	SOPHO	II
	ERGOLINE	I
ALCATEL	4200	I
	4400	I
SIEMENS	HIPATH	I
	HICOM	I



For other switch types, first select position I and then position II.

Connection to computer

If calls are audible through the computer headset but not through the Konftel 60W, check that the software and sound card are configured to handle full duplex.

Poor sound quality, echo

1. Make sure that the Konftel 60W is within your phone's working range.
2. Check the position. The unit is designed to stand flat on the table. Avoid moving it around during the call. Do not place the unit too close to a wall or under objects, such as lamp shades or plants.
3. Tune the Konftel 60W manually. See the page on manual tuning.
4. Has the Volume control been set correctly? See the page on Microphone volume control.
5. Does the receiving party have a conference unit, sound card or software which are not designed to handle full duplex?
6. When the unit is connected to a PC, radio frequency interference may cause a discernible sound. The sound will disappear when the interference stops.

Possible applications**Headset**

Instead of a handset, you can connect a headset to the switchbox. You may now switch between a call via the headset or the Konftel 60W via the On/Off button.

Note that the headset must be adapted to suit your telephone system.

Other applications

The Konftel 60W is a very versatile conference phone. For further information about how to use your unit, please refer to the Konftel website www.konftel.com/Products (see Konftel 60W/applications).

Maintenance

Clean the equipment with a soft, dry cloth. Do not use any fluid!

Konftel 60W

Power supply: Transformer 12 V DC/120 V AC, 700 mA (USA)
 Input: Analogue line in/out, modular 6/6.
 Rec (loudspeakers) -10 dBV (adjustable).
 Send (microphone) - 30 dBV (adjustable).
 Loudspeaker volume: Adjustable in 15 stages.
 Microphone volume: Adjustable in 5 stages for optimal effect.
 Room echo suppression: 208 ms.
 Line echo suppression: 38 ms.
 Environment: Adapted for room <30 m².
 Reverberation time in room <500 ms.
 Background noise <45 dB(A).
 Operating temperature: 0 – 40° C.
 Dimensions: Diameter 232 mm.
 Weight: 700 grams.

Switchbox

Input telephone handset: Modular 4/4.
 Input Konftel 60W: Cable, Modular 6/6.
 Output telephone: Cable, Modular 4/4. The plug for connecting the switchbox to the system telephone may only be connected to SELV voltage (as per SS-EN60950).
 Compatibility: Can be connected to virtually all system phones on the market.

Cabling PC

Y cable: 1 x Modular 6/4, 2 x Tele 3.5 mm. The plug for connecting the Konftel 60W to a PC may only be connected to SELV voltage (as per SS-EN60950).

Limited Warranty

Konftel guarantees to the end user (the "Customer") that this product will be free from defects in workmanship and materials, under normal use and service, for a period of two (2) years from the date of original purchase from its authorized distributor. Konftel's sole obligation under this express warranty shall be, at Konftel's option and expense, to repair the defective product or part, or deliver to the Customer an equivalent product or part to replace the defective item.

All products that are replaced will become the property of Konftel. Replacement products or parts may be new or reconditioned. Any replaced or repaired product or part carries a ninety (90) days limited warranty or the remainder of the initial warranty period, whichever is longer. Products returned to Konftel must be sent prepaid and packaged appropriately for safe shipment. It is recommended that the package is insured or sent by a method that enables tracking of the package.

Responsibility for loss or damage does not transfer to Konftel until the returned item has been received by Konftel. The repaired or replaced item will be shipped to the Customer, at Konftel's expense, not later than twelve days (12) days after Konftel has received the defective product, and Konftel will retain risk of loss or damage until the item has been delivered to the Customer.

Exclusions

KONFTEL shall not be liable under this limited warranty if examination and tests of the returned product reveal that the alleged defect or malfunction in the product does not exist or results from:

- Failure to follow Konftel's installation, operation or maintenance instructions.
- Unauthorized product modification or alteration.
- Unauthorized use of common carrier communication services accessed through the product.
- Abuse, misuse, negligent acts or omissions on the part of the Customer and persons under the Customer's control; or
- Acts of third parties, force majeure, accident, fire, lightning, power surges, outages or other hazards.

WARRANTY EXCLUSIVE: IF A KONFTEL PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, CUSTOMER'S SOLE REMEDY FOR BREACH OF THAT WARRANTY SHALL BE REPAIR OR REPLACEMENT OF THE PRODUCT IN QUESTION AT KONFTEL'S OPTION. TO THE FULL EXTENT ALLOWED BY LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS, EXPRESS OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, CORRESPONDENCE WITH DESCRIPTION, AND NON-INFRINGEMENT, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. KONFTEL NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY.

Service Agreements

For information on KONFTEL service agreements, call or email KONFTEL's helpdesk:

USA and Canada

+1-(847)-981-9305 Monday to Friday 8.00 to 17.00 (GMT:-1)
email: konftel.usa@konftel.com

International

+46-90706489 Monday to Friday 8.00 to 17.00 (GMT:-1)
email: info@konftel.com

If you purchased your product from an authorised Konftel distributor, please contact that distributor for information about service agreements that apply for your product.

LIMITATION OF LIABILITY. TO THE FULL EXTENT ALLOWED BY LAW, KONFTEL EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF ITS PRODUCTS, EVEN IF KONFTEL OR ITS AUTHORIZED RESELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR OR REPLACE AT KONFTEL'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Disclaimer

Some countries, states and provinces do not allow the exclusion or limitation of implied warranties or the limitation of incidental or consequential damages for certain products supplied to consumers, or the limitation of liability for personal injury, so the above limitations and exclusions may be limited in their application to you. When the implied warranties are not allowed to be excluded in their entirety, they will be limited to the duration of the applicable written warranty. This warranty gives you specific legal rights which may vary depending on local law.

The FCC Wants You To Know

In the unlikely event that your phone causes problems on the phone line, the phone company can temporarily discontinue your service. If this happens, the phone company attempts to notify you in advance. If advance notice is not practical, the phone company notifies you as soon as possible and advises you of your right to file a complaint with the FCC.

Also, the phone company can make changes to its lines, equipment, operations, or procedures that could affect the operation of this telephone. The telephone company notifies you of these changes in advance, so you can take the necessary steps to prevent interruption of your telephone service.

This equipment complies with the limits for a Class B digital device as specified in Part 15 of FCC Rules. These limits provide reasonable protection against radio and TV interference in a residential area.

However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- reorient or relocate the receiving antenna.
- increase the distance between the equipment and the radio or TV.
- use outlets on different electrical circuits for the equipment and the radio or TV.

Consult your local store if the problem still exists.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

Warning: Changes or modifications to this phone not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Important note: It is a legal requirement for you to have the consent of all parties in a conversation before the conversation can be recorded.

Lightning

Your telephone has built-in lightning protection to reduce the risk of damage from surges in telephone line and power line current. This lightning protection meets or exceeds FCC requirements. However, lightning striking the telephone or power lines can damage your telephone.

Lightning damage is not common. Nevertheless, if you live in an area that has severe electrical storms, we suggest that you unplug your phone when storms approach to reduce the possibility of damage.

Statement

This product meets the applicable Industry Canada technical specifications.

The Ringer Equivalence Number provides an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

Konftel is a leading company within loudspeaker communication and audio technology. We develop and sell products and technology for telephone meetings 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. Learn more about Konftel and our other products on www.konftel.com

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