((KONFTEL

User guide
Conference phone Konftel 200NI

Deutsch I English I Français I Italiano

This package includes the following items:

1 pc   User Guide

1 pc   Conference phone

1 pc   Mains transformer

1 pc   Power supply and POTS network cable

1 pc   Power supply and ISDN network cable

1 set   Intermediate plugs

**The optional equipment package includes
the following items:**

1 pair Extra microphones

2 pcs   Extra microphone cable 1.5 m (4.9 ft)

2 pcs   Extra microphone cable 2.5 m (8.2 ft)

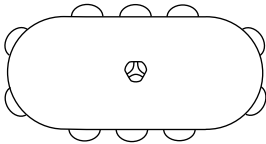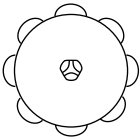1 pc   Remote control

4 pcs   Batteries for the remote control

**Please check that the package contains all items listed.
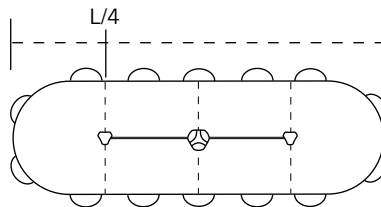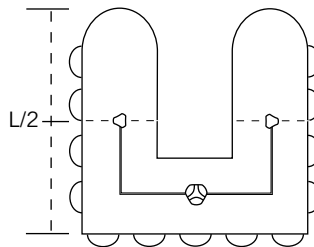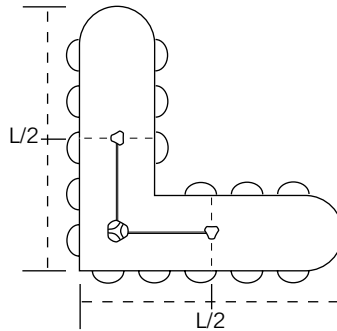If any items are missing, please contact your dealer.**

English

Contents

English

For optimum sound reproduction, position the units as shown in the illustrations

Use Konftel 200NI for room size
up to 30 m² (323 sq ft)

Use Konftel 200NI with
extra microphones for
room size up to 70 m² (753 sq ft)

L/2

L/2

L/2

L/4

Top

- Green/red mic indicators
- Loudspeakers
- Microphone
- Remote control receiver
- Display
- Keypad

Bottom

- Analogue telephone line input (POTS)
- Microphone inputs
- Digital line input (ISDN)
- Output for tape recorder
- Power supply
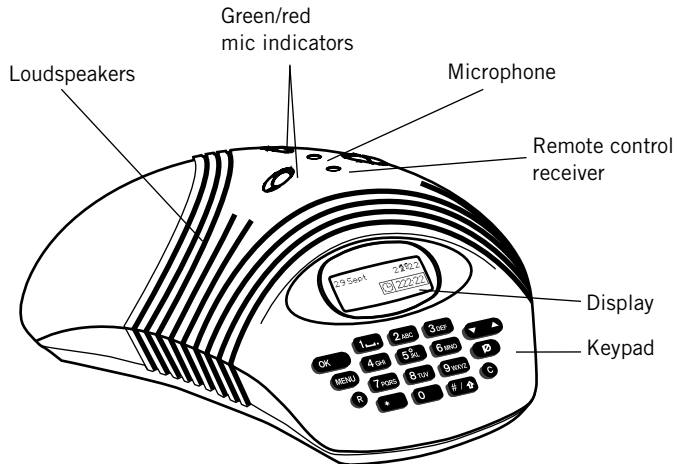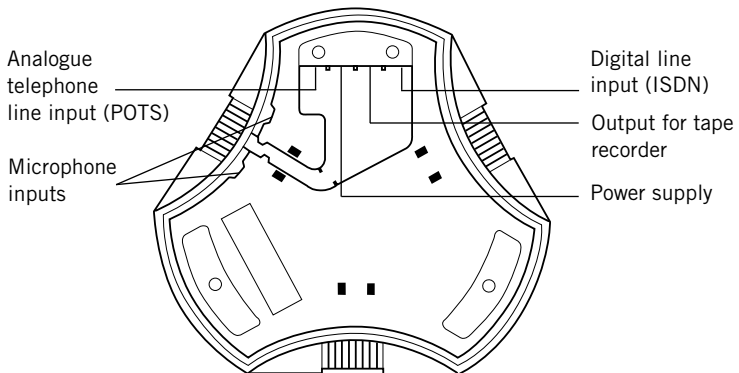
An overview of the Konftel 200NI's keypad is shown on page 27.

Analogue (POTS)

240 V
mains outlet

Analogue
telephone line
(POTS)

Mains
trans-
former

Connectors
underneath
Konftel 200NI

Digital (ISDN/S$_0$)

240 V
mains outlet

Digital
telephone line
(ISDN/S$_0$)

Mains
trans-
former

Connectors
underneath
Konftel 200NI

English
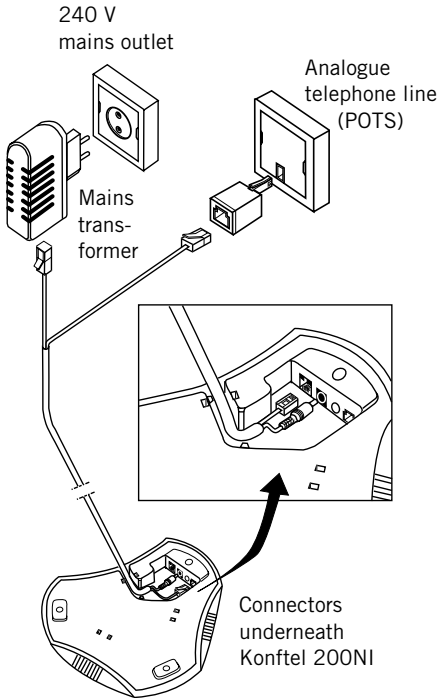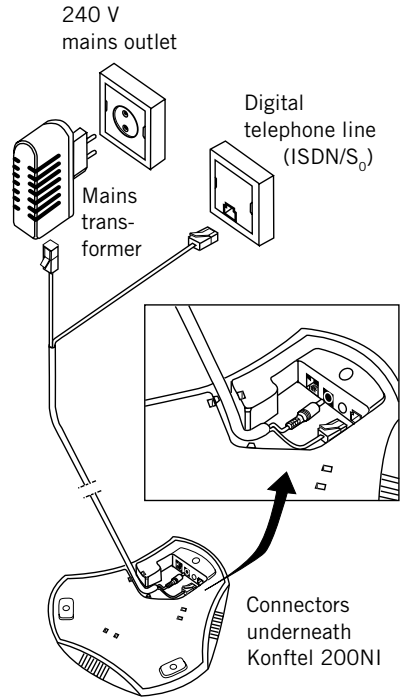
Network set-up after power on (default: Auto)

Connect Konftel 200NI to the power socket outlet. Choose Auto for automatic search. Konftel 200NI searches automatically for an ISDN/S_0 line.

Certain ISDN/S_0 lines will not be found automatically by the telephone, even though it is connected to such a line. If this happens, the line must be chosen manually; see below.

Pots

Isdn

If not connected to a digital line, please use the Up/Down key to select ISDN (digital) or POTS (analogue). This setting will not be saved for the next time the telephone is powered-up.

OK Press OK to confirm.

Manual network selection (default: Auto)

MENU Press Menu.

Select Settings menu.

OK Press OK.

Net Select Net.

OK Press OK.

Isdn

Pots

Auto

Select either digital line connection (ISDN), analogue line connection (POTS) or Auto mode for automatic searching. This setting will be saved for the next time the telephone is powered-up.
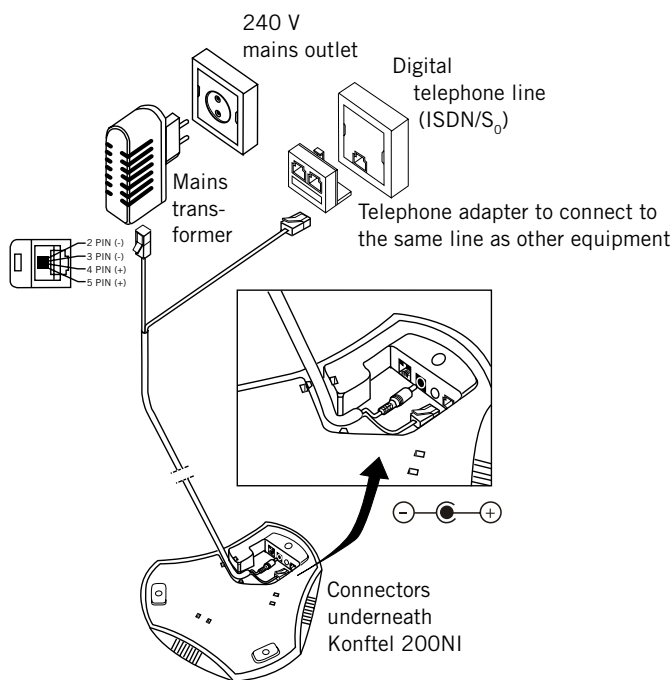
OK Press OK to confirm

Konftel 200NI • User Guide

English

English

Connection

With Konftel 200NI it is possible to share an ISDN/S_0 line with any other ISDN device e.g. video conferencing equipment or a modem. Just enter a unique MSN number (multiple subscriber number) as your own number. The MSN-number separates a Telemeeting from a video conference, for example

240 V
mains outlet

Digital
telephone line
(ISDN/S_0)

Mains
trans-
former

2 PIN (-)
3 PIN (-)
4 PIN (+)
5 PIN (+)

Telephone adapter to connect to
the same line as other equipment

Connectors
underneath
Konftel 200NI

Note: Konftel cannot guarantee full functionality of the equipment which shares an ISDN line with the Konftel 200NI. Please contact your reseller if you have any questions on this subject.

Own MSN-number (default: none)

	MENU	Press Menu.
	▼ ▲	Select Special Settings menu.
	OK	Press OK.
Own number	▼ ▲	Choose Own number menu.
	OK	Press OK.
NUMBER:	*0-9...*	Enter your telephone number (MSN number).
	OK	Press OK to save.
	C	Press the C key to return to the starting position.

Note: The own MSN number feature only works when connected to an ISDN line.
If an own number has been programmed in, the Konftel 200NI will only respond to incoming calls to that number.
If no own number has been programmed in, the Konftel 200NI will respond to all incoming calls, regardless of the number.

NUMBER:	C	An own number can be deleted using the C key in the Own number menu.

Volume control
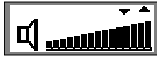
Adjust the speaker volume with the Up/Down key during the call.

Mute function

Press the Mute key to switch off the microphone. The mic indicators change to red. Press again to switch on the microphone. The mic indicators change back to green.

Tuning

The sound is adjusted automatically for the room and the telephone line when Konftel 200NI is switched on. Konftel 200NI senses the acoustics of the room and adapts continuously during the call. For manual tuning, press the Up/Down key at the same time. A brief noise will be heard.

Incoming calls

<table>
<tr>
<td>

```
┌─────────────────┐
│ OK ▪          ▾ ▴ │
│        ╱╲         │
│       (  )        │
│       🔔          │
└─────────────────┘
```

</td>
<td>

(POTS) A ring signal is heard and the green mic indicators light to indicate the incoming call.

</td>
</tr>
<tr>
<td>

```
┌─────────────────┐
│    INCOMING      │
│   1234567        │
└─────────────────┘
```

</td>
<td>

(ISDN) A ring signal is heard and the green mic indicators light to indicate the incoming call. The incoming call number ID is shown in the display.

</td>
</tr>
<tr>
<td>

OK 📞

</td>
<td>

Press the OK key to answer.

</td>
</tr>
<tr>
<td>

```
┌─────────────────┐
│ 29 Sept   22:22 │
│        🕐 222:22 │
└─────────────────┘
```

</td>
<td>

The call duration is displayed in the call meter display.

</td>
</tr>
<tr>
<td>

OK 📞

</td>
<td>

To end the call, press OK.

</td>
</tr>
</table>
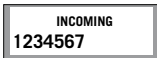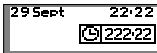
Outgoing calls
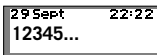
<table>
<tr>
<td>

OK 📞

</td>
<td>

Press OK.

</td>
</tr>
<tr>
<td>

```
┌─────────────────┐
│ 29 Sept   22:22 │
│ 12345...         │
└─────────────────┘
```

</td>
<td>

0-9...   Dial the number.

</td>
</tr>
</table>

or
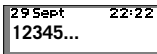
<table>
<tr>
<td>

```
┌─────────────────┐
│ 29 Sept   22:22 │
│ 12345...         │
└─────────────────┘
```

</td>
<td>

0-9...   To preview, first enter the phone number.

</td>
</tr>
<tr>
<td>

OK 📞

</td>
<td>

Press OK. The number is called within 3 sec.

</td>
</tr>
<tr>
<td>

```
┌─────────────────┐
│ 29 Sept   22:22 │
│       🕐 222:22  │
└─────────────────┘
```

</td>
<td>

The call duration is displayed in the call meter display.

</td>
</tr>
<tr>
<td>

OK 📞

</td>
<td>

To end the call, press OK.

</td>
</tr>
</table>
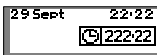
English

Three-party calls
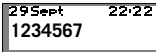
`29Sept   22:22` `1234567`	Enter the number of the first meeting participant.
OK ☎	Press OK. The number is called within 3 sec.
R	When the first call is connected, press the R key to get a new dial tone.
`29Sept   22:22` `1234567`	Enter the number of the second meeting participant and wait for answer.
R **3**DEF	Press the R key followed by the 3 key, and all three can now participate in the call.

If your call is not answered
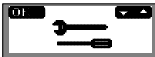
R **1⎵.**	Press the R key followed by the 1 key to return to the first call.

Note: The availability and function of the three-party feature can vary from country to country but also depend on the PBX to which the Konftel 200NI is connected. If you want to connect multiple participants we recommend you use a telephone meeting service. If you have questions regarding availability, please contact your dealer.

If the R key does not work (POTS)

The requirements for the operation of the R key vary between PBXs and from country to country. Konftel 200NI therefore lets you program the R-pulse time so that it works with most PBXs on the market.

Programming the R key (default setting = 2)

MENU   Press Menu.

▼ ▲   Select Special Settings menu.

OK   Press OK.

▼ ▲   Choose R-function.

R-function

OK   Press OK.

▼ ▲   Enter the value for the R-pulse. The default setting is 2. Check in the table below whether the setting is right for your PBX/country.

R2

Value: Time:
R1   65 ms
R2   100 ms
R3   150 ms
R4   270 ms
R5   600 ms

OK   Press the OK key to save the settings and exit.

Retrieve speed dial numbers

PHONE BOOK
A. SMITH

Press the Up/Down key to scroll/view the Phonebook in alphabetical order. The last number dialled will appear first in the list.

OK — Press OK to dial the selected number. The number is displayed and dialled within 3 sec.

OK — To end the call, press OK.

Redial

REDIAL
1234567
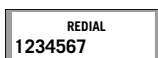
Press the Up key. The last number dialled will appear in the display.

OK — Press OK to dial the number. The number is dialled within 3 sec.

OK — To end the call, press OK.

English

Add a new number in Phonebook

	MENU	Press Menu.
▼ ▲ (display)	▼ ▲	Select Phonebook menu.
	OK	Press OK.
Add entry (display)	▼ ▲	Select Add entry.
	OK	Press OK. The last number dialled will appear automatically.
NUMBER: (display)	*0-9...*	Enter a telephone number with the keypad.
	OK	Press OK.
NAME: (display)	*A-Z...*	Enter a name with the keypad. Press the key until the desired letter appears in the display and then enter the next letter. (A description of the characters that can be used is found on page 27.)
	OK	Press OK. The number and name are now stored. "Memory full" appears in the display if you attempt to save more than 50 numbers.
	# / ⇧	Press the Shift key to write small letters.
	C	Press the C key to delete a number or letter.
	MENU	Press the Menu key to cancel.

English

Edit Phonebook

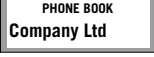|		
MENU		Press Menu.
	▼ ▲	Select Phonebook menu.
OK		Press OK.
	▼ ▲	Select Edit.
OK		Press OK.
	▼ ▲	Select the name you want to edit from the list using the Up/Down key.
OK		Press OK.
0-9... **OK**		Edit the number with the keypad and press OK.
A-Z... **OK**		Edit the name with the keypad and press OK.
		The number/name is now stored.
C		Press the C key to delete a number or letter.
MENU		Press the Menu key to cancel.
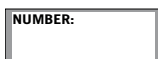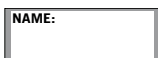
Delete Name and Number

	MENU	Press Menu.
▽ △	▼ ▲	Select Phonebook menu.
	OK	Press OK.
Erase	▼ ▲	Select Erase.
	OK	Press OK.
PHONE BOOK **Company Ltd**	▼ ▲	Select the name that you wish to delete from the list.
	OK	Press OK to select.
Erase?		"Erase?" appears in the display.
	C	If you do not wish to delete, press the C key.
	OK	If you wish to delete, press OK. The selected name and number are now deleted.

Adjust the Ring Signal Volume

	MENU	Press Menu.
🔔	▼ ▲	Select the Ring Signal Volume menu.
	OK	Press OK.
▨▬▬▪▪▪▫	▼ ▲	Adjust the volume with the Up/Down key. The ring signal is switched off by selecting the symbol with an oblique bar over the bell.
	OK	Press OK. The Ring Signal Volume is now stored.

English

English
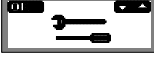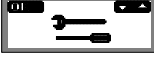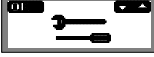
Change Time and Date

MENU Press Menu.

▼ ▲ Select Time and Date menu.

OK Press OK.

▼ ▲ Adjust Time and Date with the Up/Down key.

29 Sept 2000 22:22

▼ ▲
OK
Select Date. Press OK.
Select Month. Press OK.
Select Year. Press OK.
Select Hour. Press OK.
Select Minutes. Press OK.

Time and date are now stored.

C Go back with C key

Select Language

MENU Press Menu.

▼ ▲ Select Language menu.

OK Press OK.

▼ ▲ Select language with the Up/Down key.

English

Deutsch

...

OK Press OK.

Keypad Tone (default on)

	MENU	Press Menu.
(display image)	▼ ▲	Select Special Settings menu.
	OK ☎	Press OK.
Keypad tone	▼ ▲	Select Keypad tone.
	OK ☎	Press OK.
On	▼ ▲	Select Keypad tone On/Off using the Up/Down key.
Off		
	OK ☎	Press OK.

English

Note! When dialling, the touch tones will always be heard even if the keypad tone is switched off.

Remote control

Item No.
900102038
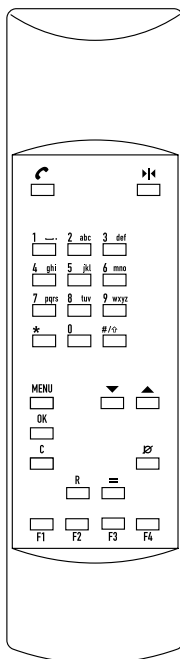
Konftel 200NI can be supplemented with a remote control.
All functions can then be operated from your position,
regardless of where you are standing or sitting.

English

Remote control functions

📞 Lifts and replaces the "handset" regardless of whether Konftel 200NI is in menu mode. If the Phonebook is displayed, the number shown will be called.

1␣. — **9 WXYZ** Enter the number or write the name. #/⇧ shifts between capitals and small letters.

MENU Enters and exits menu mode.

OK OK in menus, lifts and replaces the "handset". Dials the speed dial number.

C Deletes characters when dialling numbers or writing names. Exits from menus.

R Used for operator services, e.g. for three-party calls.

F1 — **F4** When a speed dial number is saved in the Phonebook or edited, it may be stored by ending the programming with a function key instead of OK. The number behind the key is called in all menu modes other than programming. **NOTE:** A function key is overwritten without prior warning when a new number is stored.

▶|◀ Tunes the Konftel 200NI to the acoustic environment of the room.

▼ ▲ Adjusts the volume, leafs through the Phonebook and scrolls through the menus.

∅ Mute function. Switches the microphones on and off. Inserts a pause in speed dial numbers.

= Calls the last number dialled regardless of the menu mode.

English

Extra microphones

Item No.
900102041

Extra
microphones

0.8–2.5 m
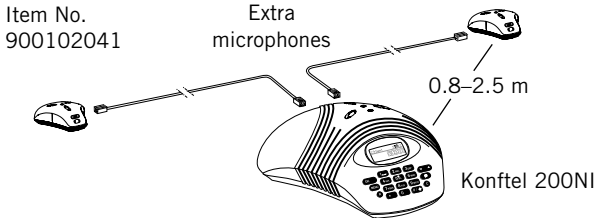
Konftel 200NI

For larger rooms, Konftel 200NI can be supplemented quickly and simply with two extra microphones. It is then able to provide coverage of up to 70 m^2.

Advantages: stronger sound from the speakers, higher microphone sensitivity.

The extra 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 200NI is disconnected and the display shows how many units are connected.

The extra microphones are supplied with two sets of cable, 1.5 m and 2.5 m. It may prove difficult to detach the cables when disconnecting the extra microphones, and this may be facilitated by the careful use of a screwdriver or ballpoint pen, for example.

The speaker volume can also be adjusted from the extra microphones. Tuning can also be performed from the extra microphones. Press the Up/Down key at the same time. A brief noise will be heard.

Press the Mute key for muting. Muting affects all the connected microphones. The microphone indicators will change from green to red.

Item No.	Description
900102041	Extra microphones
900102038	Remote control
9146030	Wall mounting bracket
900103342	Tape recorder cable
900103339	Extension cable, power supply 10 m
900103340	Extension cable, analogue network, 10 m
900103353	Extension cable, digital network, 10 m
900103341	Extension cable, power and analogue network 7.5 m
900103352	Extension cable, power and digital network 7.5 m

English

Intermediate plugs

Item No.	Description
208102012	Denmark
246102012	Finland
250102012	France
276102012	Germany
826102012	Great Britain
528102012	Netherlands
578102012	Norway
724102012	Spain
752102012	Sweden
756102012	Switzerland

Spare parts

Item No.	Description
900103334	Power supply and analogue POTS network cable, 7.5 m
900103349	Power supply and digital ISDN network cable, 7.5 m
900102026	Mains transformer 12 V DC, Europe
826102026	Mains trasformer 12 V DC, UK

Troubleshooting

1. Check that the microphone is on during the call. The green microphone indicators must be lit.

2. Check that Konftel 200NI is connected.

   Connection to an analogue line: check that the POTS network cable is connected between the POTS input and an analogue jack.

   Connection to an ISDN/S_0 line: check that the ISDN network cable is connected between the ISDN input and an ISDN/S_0 line.

3. Bypass any extension cables and check whether the system is functioning correctly. If not, contact your dealer.

4. Disconnect the extra microphones and see if the system works without them. If not, return all units for service.

5. If Konftel 200NI must wait for a second dial tone, you should insert a pause with the Mute/Pause key when entering telephone numbers in the Phonebook.

Maintenance

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

Central Unit

Power supply:	DC transformer 240 V AC/12 V DC; 700 mA.
Network interface:	Analogue POTS, RJ-11. Digital ISDN/S_0, RJ-45.
Power supply and POTS network cable:	7.5 metre, RJ-11 (line), EIAJ Class IV (power).
Power supply and ISDN network cable:	7.5 metre, RJ-45 (ISDN), EIAJ Class IV (power).
Recommended room conditions:	Reverberation time: <0.5 sec. Background noise: <45 dB(A).
Frequency response:	200 – 3700 Hz.
Loudspeaker volume:	85 dB SPL (increased if extra microphones are used).
Room echo suppression:	208 ms.
Line echo suppression:	25 ms.
Automatic calibration:	<1 ms impulse (not discernible).
Tape recorder output:	3.5 mm tele jack. Contact for connection of tape recorder may only be connected to a SELV voltage in accordance with SS-EN 60 950.
Dimensions:	Diameter 232 mm.
Weight:	800 g.
Temperature range:	5 – 40° C in operation.
Humidity:	20 % – 80 % non-condensing.
EMC:	EN 50 081-1:1992. EN 50 082-1:1992. EN 61 000-4-2:1995.
Electrical safety:	EN 60950.
Telecom approval POTS: Telecom approval ISDN:	EUROPEAN TBR21. EUROPEAN TBR3.
Keyboard:	19 keys.
Compatibility:	Konftel 200NI can be connected to any PBX equipped with ISDN/S_0 or POTS extension, for example Ericsson: MD110, Fenix. Siemens: Hicom. Nortel: Meridan. Philips: Sopho. Alcatel: 4200, 4400. Ascom: Ascotel. Tenovis: Intergral 3, 33.

English

Extra microphones (accessories)

Power supply:	Power from microphone outlet
Cabling:	Modular 4/4 contacts 2 x 1.5 m and 2 x 2.5 m
Microphone:	Omnidirectional
Microphone indicator:	Green – microphone on Red – microphone off
Temperature range:	5 – 40° C in operation
Keyboard:	3 keys

Remote control (accessories)

Batteries:	4 x R03, 1.5 V
Temperature range:	5 – 40° C
Range:	Up to 5 m
Dimensions:	205 x 55 x 21 mm (L x B x H)
Weight:	140 g
Keyboard:	26 keys

Date

Time

29Sept   22:22

🕐 222:22

Call meter

OK key   **OK** 📞

Menu key   **MENU**

R key   **R**

1 ⌴.   **2 ABC**   **3 DEF**

4 GHI   **5 JKL**   **6 MNO**

7 PQRS   **8 TUV**   **9 WXYZ**

✳   **0**   **# / ⇧**

▼ ▲   Up/Down key

Ø   Mute/Pause key

C   Delete key

Shift key
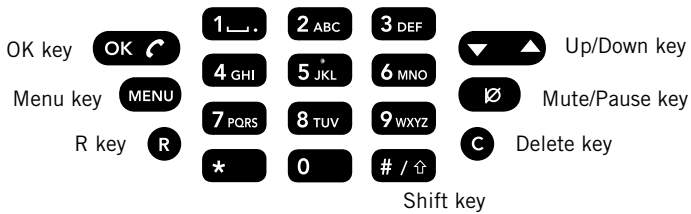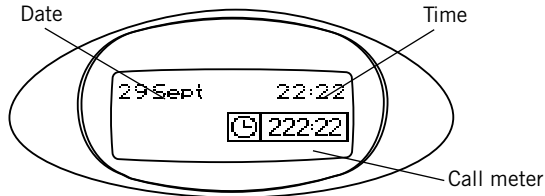
1 ⌴.	1, space, . (period)		**7 PQRS**	7, P, Q, R, S, p, q, r, s
2 ABC	2, A, B, C, Å, Ä, Á, À, a, b, c, å, ä, á, à		**8 TUV**	8, T, U, V, Ü, Ú, t, u, v, ü, ú
3 DEF	3, D, E, F, É, È, d, e, f, é, è		**9 WXYZ**	9, W, X, Y, Z, w, x, y, z
4 GHI	4, G, H, I, g, h, i		**0**	0
5 JKL	5, J, K, L, j, k, l		**✳**	*
6 MNO	6, M, N, O, Ö, Ø, Ñ, m, n, o, ö, ø, ñ		**#**	#

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