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OmniSound®
The patented audio technology OmniSound® provides impressive audio quality for your distance meetings. Full-duplex audio via the hypersensitive microphone and powerful speakers enables speech in both directions. This natural loudspeaker sound quality is critical for effective, collaborative meetings that keep everyone engaged and contributing.
OmniSound® is also enhanced with innovative features: noise suppression minimizes distracting background noise, wideband voice transmission provides a 7 kHz frequency range during VoIP calls, and an equalizer allows you to adjust the sound to suit the room’s acoustics.

⚠️ Warning!
Do not expose the Avaya B179 to rain or moisture.

⚠️ Warning!
Do not open the case on the Avaya B179.
<table>
<thead>
<tr>
<th>Description</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>6</td>
</tr>
<tr>
<td>Maintenance</td>
<td>6</td>
</tr>
<tr>
<td>Connections</td>
<td>6</td>
</tr>
<tr>
<td>Keypad</td>
<td>8</td>
</tr>
<tr>
<td>Display screen</td>
<td>9</td>
</tr>
<tr>
<td>Navigation and selection in menus</td>
<td>10</td>
</tr>
<tr>
<td>Answering and making calls</td>
<td>12</td>
</tr>
<tr>
<td>Answering calls</td>
<td>12</td>
</tr>
<tr>
<td>Answering calls on hold</td>
<td>12</td>
</tr>
<tr>
<td>Making calls</td>
<td>12</td>
</tr>
<tr>
<td>Redialling</td>
<td>12</td>
</tr>
<tr>
<td>Calling from the phonebook</td>
<td>13</td>
</tr>
<tr>
<td>During a call</td>
<td>14</td>
</tr>
<tr>
<td>Adjusting the speaker volume</td>
<td>14</td>
</tr>
<tr>
<td>Placing calls on temporary hold</td>
<td>14</td>
</tr>
<tr>
<td>Ending calls</td>
<td>14</td>
</tr>
<tr>
<td>Secure connection</td>
<td>14</td>
</tr>
<tr>
<td>Making multi-party calls</td>
<td>15</td>
</tr>
<tr>
<td>Adding another party to a call</td>
<td>15</td>
</tr>
<tr>
<td>Making conference group calls</td>
<td>15</td>
</tr>
<tr>
<td>Managing phone lines</td>
<td>16</td>
</tr>
<tr>
<td>Switching between lines during multi-party calls</td>
<td>16</td>
</tr>
<tr>
<td>Dropping a line</td>
<td>17</td>
</tr>
<tr>
<td>Transferring calls</td>
<td>18</td>
</tr>
<tr>
<td>Profiles</td>
<td>18</td>
</tr>
<tr>
<td>Using a user profile</td>
<td>18</td>
</tr>
<tr>
<td>Changing the profile name and password</td>
<td>19</td>
</tr>
<tr>
<td>Phonebook</td>
<td>20</td>
</tr>
<tr>
<td>Searching for contacts</td>
<td>20</td>
</tr>
<tr>
<td>Adding contacts</td>
<td>20</td>
</tr>
<tr>
<td>Editing contacts</td>
<td>20</td>
</tr>
<tr>
<td>Deleting contacts</td>
<td>21</td>
</tr>
<tr>
<td>Deleting all conference groups</td>
<td>21</td>
</tr>
<tr>
<td>Displaying phonebook status</td>
<td>21</td>
</tr>
<tr>
<td>External phonebook (LDAP)</td>
<td>22</td>
</tr>
<tr>
<td>Search for and call a contact</td>
<td>23</td>
</tr>
<tr>
<td>Conference guide</td>
<td>24</td>
</tr>
<tr>
<td>Making conference group calls</td>
<td>24</td>
</tr>
<tr>
<td>Displaying conference participants</td>
<td>.25</td>
</tr>
<tr>
<td>Adding a conference group</td>
<td>25</td>
</tr>
<tr>
<td>Editing a conference group</td>
<td>25</td>
</tr>
<tr>
<td>Deleting a conference group</td>
<td>26</td>
</tr>
<tr>
<td>Deleting all conference groups</td>
<td>26</td>
</tr>
<tr>
<td>Displaying conference guide status</td>
<td>26</td>
</tr>
<tr>
<td>Recording</td>
<td>27</td>
</tr>
<tr>
<td>Starting a recording</td>
<td>27</td>
</tr>
<tr>
<td>Mute function</td>
<td>27</td>
</tr>
<tr>
<td>Hold</td>
<td>27</td>
</tr>
<tr>
<td>Ending a recording</td>
<td>27</td>
</tr>
<tr>
<td>Listening to a recording</td>
<td>28</td>
</tr>
<tr>
<td>Editing the name of a recording</td>
<td>28</td>
</tr>
<tr>
<td>Deleting a recording</td>
<td>29</td>
</tr>
<tr>
<td>Deleting all recordings</td>
<td>29</td>
</tr>
<tr>
<td>Adjusting the recording indicator</td>
<td>29</td>
</tr>
<tr>
<td>Displaying recording feature status</td>
<td>29</td>
</tr>
<tr>
<td>Settings</td>
<td>30</td>
</tr>
<tr>
<td>Basic settings</td>
<td>30</td>
</tr>
<tr>
<td>Advanced settings</td>
<td>32</td>
</tr>
<tr>
<td>Settings during a call</td>
<td>33</td>
</tr>
<tr>
<td>System</td>
<td>34</td>
</tr>
<tr>
<td>Checking status</td>
<td>35</td>
</tr>
<tr>
<td>Using the web interface</td>
<td>37</td>
</tr>
<tr>
<td>Checking network addresses</td>
<td>37</td>
</tr>
<tr>
<td>Logging in to the Avaya B179</td>
<td>38</td>
</tr>
<tr>
<td>Managing the phonebook</td>
<td>39</td>
</tr>
<tr>
<td>Managing the conference guide</td>
<td>42</td>
</tr>
<tr>
<td>Checking the call list</td>
<td>44</td>
</tr>
<tr>
<td>Basic settings</td>
<td>45</td>
</tr>
<tr>
<td>Restarting the Avaya B179</td>
<td>47</td>
</tr>
<tr>
<td>Checking status</td>
<td>48</td>
</tr>
<tr>
<td>Technical specifications</td>
<td>49</td>
</tr>
</tbody>
</table>
GENERAL
The Avaya B179 is a conference phone for IP telephony offering a host of innovative features:

- OmniSound® audio technology.
- IP telephony for flexible and affordable telephony.
- Option of using two accounts simultaneously.
- Conference feature for automatic multi-party dialling.
- Management of lines during a call (dialling new parties, creating a multi-party call, splitting a multi-party call).
- Recorder capability.
- Web interface for simple management of contacts, conference groups and settings.
- Extra microphone connection for wider reception (option).
- Connection for wireless headset or PA system (option).
- Futureproof, can be upgraded with smart functions.

The Avaya B179 is a future-proof product that is constantly evolving with smart new features.

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

CONNECTIONS
Please refer to the “Installing and Administering the IP Office B179 SIP Conference Phone” technical manual for instructions on how to connect and register your conference phone.
DESCRIPTION

- **Speaker**
- **Microphone**
- **Display screen**
- **Keypad**
- **LEDs**
  - Flashing blue: Incoming call
  - Steady blue light: Call in progress
  - Flashing red: Hold, microphone and speaker turned off
  - Steady red light: Mute, microphone turned off
- **SD memory card port**
- **Network cable port**
- **Expansion microphone port**
- **AUX port**
- **Security lock port**
- **Power supply port**
KEYPAD

UP ARROW
Navigation in menus
Display of call list

Menu Settings

DOWN ARROW
Navigation in menus
Display of call list

OK
Yes/confirm choice
Answer/connect new line
During a call: Press to call a new person

Hang up/end line

Conference
Automatic dialling of conference groups
One press of this button will always connect all parties to a conference call

Line selection

Cancel
No/end/back
Start/stop recording

Increase volume

Decrease volume

Mute

Hold

Alphanumerical buttons
Hold down a button for 2 seconds to open the phonebook

Some Avaya B179 have a different keypad with other symbols. This does not affect the functions of the buttons.

Writing text

Each button contains letters and characters – more than those shown on the button (see illustration below). Press the same button repeatedly to change to another character. If there are two letters under the same button that you want to enter one after the other, you need to pause slightly before entering the second letter.

Press * to delete the last character you entered.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
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<td>DE F É É 3</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>6</td>
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<tr>
<td>G H I 4</td>
<td>J K L 5</td>
<td>M N O O Ō Ň 6</td>
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<td>7</td>
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<td>9</td>
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<tr>
<td>P Q R S 7</td>
<td>T U V U Ū 8</td>
<td>W X Y Z 9</td>
</tr>
<tr>
<td>*</td>
<td>0</td>
<td>#</td>
</tr>
</tbody>
</table>
DISPLAY SCREEN

On Hook
Press ▲  to display this screen.

Off Hook
Press ▼  to display this screen.

Information text displays one of the following:
- Number or name of each phone line
  (The name will be displayed if a number is in the phone book)
- Explanation of what you should do (For example ENTER NUMBER)
- Status such as 📋 when you place all calls on hold.
DESCRIPTION

Line menu
Press  to switch to and from this menu.

- Ewa P
- Office North
- New 288
- SPLIT CONFERENCE

Line/number/name
New line
Option for creating or splitting conference calls

Menu
Press  to switch to and from a menu.

- PHONE BOOK
  - SEARCH CONTACT
  - ADD CONTACT
  - EDIT CONTACT
  - ERASE CONTACT

Current menu
Submenu
Marked option – open by pressing OK button
Scrolling list
(indication of where the marked option is in the list or menu)

- EQUALIZER
  - SOFT
  - NEUTRAL
  - BRIGHT

List of setting options:
Existing settings
Marked option – select by pressing OK button

- SEARCH CONTACT
  - Amandy Barulkowski
  - Alan Blumer
  - Bao Minh Zirko

List of names:
Marked name – select by pressing OK button

NAVIGATION AND SELECTION IN MENUS

➤ Press .
➤ Select the option you want from the menu using the arrow buttons.
➤ Confirm by pressing OK to select the marked option.
➤ Cancel the setting or go back one level in the menu by pressing .
➤ Quit the menu by pressing  again.

Note that after you have made changes to a setting, you must press OK to activate the setting.

It is possible to open a menu option directly by pressing the number button that corresponds to the position of the option in the menu (e.g. 2 to open PHONE BOOK and then 3 to select EDIT CONTACT).
DESCRIPTION

Writing style in instructions
In the instructions, ☑ > SETTINGS (6) means you should:

 NRF Press ☑.

 NRF Select the SETTINGS option using the arrow buttons and pressing OK to open the menu (or press button number 6).

Correspondingly, Phone book > Conference Guide in the web interface means you should select Menu Phone book and then the Conference Guide tab.

Menu tree

The simplest way to make settings and edit contacts is using a PC and the Avaya B179 web interface (see page 38).
ANSWERING CALLS

A ring tone is heard and the blue LEDs start flashing.

⇒ Press 📞 to answer.

*The LEDs show a steady blue light.*

ANSWERING CALLS ON HOLD

If a call is made to the conference phone during another call, you will hear a double tone, INCOMING CALL will be displayed on the screen and the blue LEDs start flashing.

⇒ Press 📞 to answer.

*The original call will automatically be put on hold.*

Press the ♿ button to connect the calls.

Press ⏪ to end the new call and ⏪ to reconnect the original call.

Use the line mode ☑ (See page 13) to switch between the calls.

MAKING CALLS

See “MANAGING PHONE LINES” on page 12 about selecting an account before dialling.

⇒ Dial the number.

⇒ Press 📞.

*The number is called and the LEDs show a steady blue light. The duration of the call is shown on the display screen.*

Or:

⇒ Press 📞.

⇒ Dial the number and press OK to confirm.

*The number is called and the LEDs show a steady blue light. The duration of the call is shown on the display screen.*

REDIALLING

⇒ Press an arrow button.

*The last number that you dialled appears on the display screen.*

⇒ Use the arrow buttons to scroll through the call list.

⇒ Press 📞.

*The number you have selected is dialled.*

You can delete the call list by scrolling to the end of the list and pressing OK when the question “CLEAR LIST?” appears.
CALLING FROM THE PHONEBOOK

Please turn to page 21 for instructions on adding and updating contacts in the phonebook.

⇒ Press and hold down a number button for two seconds.
   *The phonebook appears on the display screen. The pre-programmed names appear in alphabetical order, starting with the number button’s first letter.*

⇒ Use the arrow buttons to mark the name in the phonebook.

⇒ Press 🔔.
   *The number you have selected is dialled.*

⚠️ Avaya B179 also supports an external phonebook in the form of a catalog server (LDAP server). Read more on page 23.
DURING A CALL

ADJUSTING THE SPEAKER VOLUME

⇒ Adjust the speaker volume using the buttons  and .

PLACING CALLS ON TEMPORARY HOLD

Mute

⇒ Press to turn off the microphone.

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

⇒ Press to reconnect the call.

Hold

⇒ Press to put the call on hold.

*The LEDs change from blue to flashing red. Both the microphone and the speaker are turned off and the call is on hold.*

⇒ Press to reconnect the call.

ENDING CALLS

⇒ End the call by pressing .

SECURE CONNECTION

The Avaya B179 supports secure data connections between devices (authentication and encryption). This feature must be activated by the administrator.

You know the feature is activated if you see a closed padlock in the lower right-hand corner of the display screen when the Avaya B179 has a secure connection to the other phone. If the phone or PBX you are calling does not support secure connections, you will see an open padlock on the screen. See the illustration on page 9.
MAKING MULTI-PARTY CALLS

Turn to “MANAGING PHONE LINES” on the next page for instructions on putting an individual on hold during a multi-party call and other more advanced features.

ADDING ANOTHER PARTY TO A CALL

If there are free lines, new parties can be added, regardless of whether you have used the button or if you are making a normal call.

⇒ Press during the call to get a new dialling tone.

Casts in progress are put on hold.

⇒ Dial the new number.

You can also press an arrow button to use the call list or use the menu to access the phonebook.

⇒ Press the button to merge all lines into a multi-party call.

MAKING CONFERENCE GROUP CALLS

See “CONFERENCE GUIDE” on page 25 to create and edit conference groups.

⇒ Press the button.

⇒ Select the conference group you want to call and press OK to confirm.

The Avaya B179 dials all the contacts in the group.

The box in front of a person’s name fills as soon as that person answers.
MANAGING PHONE LINES

SWITCHING BETWEEN LINES DURING MULTI-PARTY CALLS

Talking privately with one individual

⇒ Press 🎤.

All lines are put on hold.

ℹ️ Alternatively, you can press 🎤 after opening the line menu or you can select SPLIT CONFERENCE from the line menu to put the lines on hold.

⇒ Press 🎤.

The line menu is displayed.

⇒ Mark a party in the line menu and press OK or 🎤.

The party is reconnected to the call.

Switching to another caller

This assumes that you are talking with just one individual as described above.

⇒ Mark another party in the line menu and press 🎤.

The first party is put on hold and the other is connected to the call.

Talking to several parties

This assumes that you are talking with just one individual as described above.

⇒ Mark another party in the line menu and press OK.

Both the first and the second party are connected to the call.

Talking to all parties

⇒ Press 🎤.

All parties are connected to the call.

ℹ️ An alternative way to connect all lines to the call is to select MAKE CONFERENCE in the line menu.
MANAGING PHONE LINES

DROPPING A LINE

Individual lines can be dropped out of a multi-party call.

⇒ Press 🗤.

*The line menu is displayed.*

- David L
- Eva P
- Office South
- Office North
- SPLIT CONFERENCE

⇒ Mark the line you want to drop and press 🗤.

TRANSFERRING CALLS

If you wish to transfer a call to another telephone.

⇒ Select 📞 > TRANSFER.

⇒ Dial the number and press OK to confirm.

*The call is transferred to the other telephone.*

โปรดทราบว่าการโอนโทรศัพท์นี้เป็นการโอนโดยตรง ซึ่งหมายถึงการโอนโทรศัพท์ที่ยื่นมาจากโทรศัพท์ของคุณ และการโอนโทรศัพท์โดยตรงที่ไม่ได้ตรวจสอบว่าการติดต่อกลับจะทำได้ตามที่คุณต้องการ. คุณควรคำนึงถึงการโอนโทรศัพท์โดยตรงที่ไม่ได้รับการสนับสนุนในปีบิกซ์ทั้งหมด และการ特性ที่สามารถเปิดเผยไปได้.

Note that this is a “blind transfer”, which means that the call ends in your phone and is transferred without checking whether the call is answered. You should also note that Blind transfer is not supported on all PBXs and the feature may possibly be switched off.
The Avaya B179 gives you the option of using a password to protect contact information in the phonebook and conference guide. All contacts entered by default can be accessed by all users and cannot be password protected. All contacts entered by Admin are also displayed in default mode.

To enter personal contacts, conference groups and settings that are inaccessible to other users, select user profile and enter the PIN code for the profile. The four personal user profiles each hold up to 1000 contacts and 20 conference groups.

Settings that are unique for each profile are:

- Standard account (If two accounts are registered)
- Language
- Ringtone level
- Keypad tone
- Time format
- Equalizer
- Display text

Contacts and other settings are managed in the same way if you log in with a user profile, except that the changes you make do not affect other users.

Note the user profile name and PIN code can only be changed via the web interface. Admin is able to change all user profile names and PIN codes.

**USING A USER PROFILE**

- Select Ⓚ > PROFILES (1).
- Mark the profile you want and press OK.
- Enter the PIN code for the profile.

  - The default code is 0000.

Logging out of the profile

- Select Ⓚ > PROFILES (1).
- Press OK with the LOGOUT option marked.
CHANGING THE PROFILE NAME AND PASSWORD

⇒ Log in to Avaya B179, see pages 8.
⇒ Select ☯ > Basic.
⇒ Click on the Edit button under the heading Profiles.
⇒ Enter a name and a new PIN code.
⇒ Click on Set and save your settings by clicking on Save.

⚠️ Make a note of the name and PIN code and keep them in a safe place. The administrator is able to reset the settings.
The Avaya B179's phonebook can hold up to 1000 numbers in each user profile. See page 12 for making calls via the phonebook.

Please turn to page 8 for instructions on using the keypad to enter text.

SEARCHING FOR CONTACTS

The simplest way to search for a contact in the address book is to hold down an alphanumeric button for two seconds (see page 12). You can also search for a contact via the PHONEBOOK menu.

Select ☼ > PHONE BOOK > SEARCH CONTACT (2,1).

Mark the contact you want.

You can use the arrow buttons to press an alphanumeric button to jump to the first name that starts with that letter in the list.

Press OK or 🔄 to dial the selected contact, ◀ to return to the PHONEBOOK menu or ☼ to exit the menu.

ADDING CONTACTS

Select ☼ > PHONE BOOK > ADD CONTACT (2,2).

Enter the name of the contact and press OK to confirm.

Write the number and press OK to confirm.

Press OK to add another contact or ☼ to exit the menu.

EDITING CONTACTS

Select ☼ > PHONE BOOK > EDIT CONTACT (2,3).

Mark the contact you want to change. Press OK to confirm.

Make the change and press OK to confirm.

Delete a number or a letter in a name by pressing ◀. If you want to cancel the change you are making and leave the name or number as they were, press ◀ until the PHONEBOOK menu appears.
DELETING CONTACTS

⇒ Select 0 > PHONE BOOK > ERASE CONTACT (2,4).
⇒ Mark the contact you want to delete and press OK.
⇒ Confirm that you really want to delete the contact by pressing OK or cancel the deletion of a contact by pressing • ←.

DELETING ALL CONFERENCE GROUPS

⇒ Select 0 > PHONE BOOK > ERASE ALL (2,5).
⇒ Confirm that you really want to delete all contacts by pressing OK or cancel the deletion of a contact by pressing • ←.

DISPLAYING PHONEBOOK STATUS

⇒ Select 0 > PHONE BOOK > STATUS (2,6).

The display screen indicates the number of contacts already stored plus how many more contacts can be added.
Avaya B179 has support for an external phonebook. This means it can communicate with a catalog server according to LDAP (Lightweight Directory Access Protocol). To make the external phonebook accessible, an administrator must activate and configure the LDAP function in Avaya B179.

An LDAP database can hold thousands of contacts and for this reason, Avaya B179 includes a search function to filter the content of the database dynamically, based on the search characters you enter.

When you find the right contact, you can open it with **OK**. When you have done this, you can choose which of the contact's telephone numbers you want to ring (for instance, work, mobile or home).

Please note, the administrator has the option to configure the function in different ways; this means it may function differently to the way described here.

The administrator can determine in which database field your search characters will be used, the number of hits that are to be displayed in Avaya B179 and the information that is to be displayed (name, company, department, telephone number).

Contact the company's telephone or network manager for information on how LDAP is configured for your Avaya B179.
SEARCH FOR AND CALL A CONTACT

Select ☻ > EXT. PHONEBOOK (3).

Avaya B179 contacts the database, which sends all the contacts. The first 50 are shown in Avaya B179 (with standard default settings).

Enter one or more search characters to filter the list.

The number of hits in the database is reduced for each character you enter.

- If the > sign is visible before the information on the number of hits, it means that there are more contacts available but they are not shown.
- Enter search characters, until the number of hits is low enough for you to find the contact you want easily.
- You can delete an incorrect character with the key ●←.
- Please turn to page 8 for instructions on how to use the keypad to enter text.

Mark the contact you want by using the arrow keys and open it by pressing OK.

If you regret your search, you can press ●← to return to the search results or ☻ to finish the search.

Mark the number you want to dial (if several telephone numbers are displayed for the contact) and press OK or ☷.

The number you have selected is dialled.
CONFERENCE GUIDE

The conference guide makes it easy to set up calls with as many as five people, including your own phone. The Avaya B179 automatically dials all the contacts in the conference group.

You can create 20 conference groups in each user profile.

- All systems (PBXs) do not support this feature.

Entering text with the keypad
Please turn to page 8 for instructions on using the keypad to enter text.

MAKING CONFERENCE GROUP CALLS

- Press the button.
- Select the conference group you want to call.

- You can use the arrow buttons to press an alphanumeric button to jump to the first name that starts with that letter in the list.

- Press OK if you want to see who is in the group before you make the call. (Then press OK again or to call.)

- Press directly if you want to make the call without first checking who is in the group.

*The Avaya B179 dials all the contacts in the group.*

*The box in front of a person’s name fills as soon as that person answers.*

You can also use the menu to search for and dial a conference group.

- Select ☀ > CONF GUIDE > SEARCH GROUP (4,1), select the conference group you want and confirm by pressing OK or in the same way as above.

Adding another party to a call

- Press during the call to get a new dialling tone.

*Calls in progress are put on hold.*

- Dial the new number.

- You can also press an arrow button to use the call list or use the menu to access the phonebook.

- Press the button to connect the calls.
DISPLAYING CONFERENCE GROUP PARTICIPANTS

⇒ Select ☺ > CONF GUIDE > SEARCH GROUP (4,1).
⇒ Mark the group you want and press OK.
  *The names of the conference group participants are displayed.*
⇒ Press •← to return to the CONFERENCE GUIDE menu or ☺ to exit the menu.
  Press OK or ● to dial the group.

ADDING A CONFERENCE GROUP

⇒ Select ☺ > CONF GUIDE > ADD GROUP (4,2).
⇒ Enter a group name and press OK to confirm.
⇒ Press OK to enter the first person.
⇒ Write the name of the first person and press OK to confirm. Enter the number and press OK to confirm.
⇒ Press OK to add another person and repeat the above steps.
⇒ Conclude by pressing ●←.

EDITING A CONFERENCE GROUP

⇒ Select ☺ > CONF GUIDE > EDIT GROUP (4,3).
Here, you can change the name of a conference group, add or delete a person from a group and change a person’s name and phone number.
⇒ Mark your choice of option in the menu using the arrow buttons and press OK to confirm.
  *The names of the conference groups are displayed.*
⇒ Mark the group you want to change and press OK to confirm.
⇒ Mark a person you want to change and press OK to confirm.
⇒ Make the change and press OK to confirm.
⇒ Delete a number or a letter in a name by pressing ●←. If you want to cancel the change you are making and leave the name or number as they were, press ●← until the CONFERENCE GUIDE menu appears.
DELETING A CONFERENCE GROUP

⇒ Select ✧ > CONF GUIDE > ERASE GROUP (4,4).
⇒ Mark the group you want to delete and press OK.
⇒ Confirm that you really want to delete the group by pressing OK or cancel the deletion of a group by pressing ● ←.

DELETING ALL CONFERENCE GROUPS

⇒ Select ✧ > CONF GUIDE > ERASE ALL (4,5).
⇒ Confirm that you really want to delete all groups by pressing OK or cancel the deletion of all groups by pressing ● ←.

DISPLAYING CONFERENCE GUIDE STATUS

⇒ Select ✧ > CONF GUIDE > STATUS (4,6).

The display screen indicates the number of conference groups already stored plus how many more groups can be added.
It is possible to record a phone conference on an SD (Secure Digital) memory card so you can listen to it later on. It is possible to record a call in progress and use the Avaya B179 as a dictaphone. Avaya B179 supports SD and SDHC cards and the recording capacity is 35 hours per GB.

A flashing symbol appears on the display screen during recording. A beep is heard every 20 seconds so that other parties in the call know it is being recorded. The beep can be turned off (see page 30).

The recorded call is saved on the memory card. The document is named after the time at which the recording began (e.g. 14-35-01.wav) and is saved in a folder with the current date. This name can be changed after the recording has ended.

STARTING A RECORDING

Remember to notify all parties in the call before you start recording.

⇒ Press the ● button for two seconds and press OK to confirm.
   The recording symbol flashes on the display screen.

MUTE FUNCTION

⇒ Press the ● button during a call to turn the microphone off.
   The LEDs change from blue to red.
   The other party cannot hear what you are saying and only the called party is recorded.

HOLD

⇒ Press ☎ during the call to put the call on hold.
   The LEDs change from blue to flashing red.
   Both the microphone and the speaker are turned off and the call is on hold. None of the parties will now be recorded.

ENDING A RECORDING

⇒ Press the ● button for two seconds and press OK to confirm.
   The recording symbol is no longer displayed on the screen.

If you are recording a call and the call is ended, you will be asked if you want to stop recording.
LISTENING TO A RECORDING

You can listen to a recorded phone conference on your Avaya B179 or a computer using an SD memory card reader. Recordings are saved in wav format and can be played back on your choice of media player. Listening to recordings on the Avaya B179:

⇒ Select ☁ > RECORDING > PLAYBACK FILE (5,1).
⇒ Mark the folder you want (date) and press OK to confirm. A list of all recordings for the specified date is displayed. Names, date, time and length are displayed for each recording.
⇒ Mark the recording you want and start the playback by pressing OK.

Adjusting the speaker volume
⇒ Increase the volume using the ↑ button and lower it using ↓.

Pause playback
⇒ Pause the playback by pressing OK.
⇒ Restart playback by pressing OK again.

Move forward in the recording during playback
⇒ Move forward in the recording by pressing arrow down or backward by pressing arrow up.
⇒ The recording advances about 10 seconds every time you press the button.

Stop playback
⇒ Stop the playback by pressing •←.

EDITING THE NAME OF A RECORDING

⇒ The recording is named by default with the time at which the recording started.
⇒ Select ☁ > RECORDING > RENAME FILE (5,2).
⇒ Mark the folder you want and press OK to confirm.
⇒ Mark the recording to be edited and press OK.
⇒ Make the change and press OK to confirm.
⇒ Delete a number or a letter in a name by pressing •←.

If you want to cancel the change you are making and leave the name or number as they were, press •← several times until the RENAME FILE menu appears.
DELETING A RECORDING

 gà Select sponsor > RECORDING > ERASE FILE (5,3).
 gà Mark the folder you want and press OK.
 gà Mark the recording to be deleted and press OK.
 gà Confirm that you really want to delete the recording by pressing OK again, or cancel the deletion of a recording by pressing •→.

DELETING ALL RECORDINGS

 gà Select  sponsor > RECORDING > ERASE ALL (5,4).
 gà Confirm that you really want to delete all recordings by pressing OK again, or cancel the deletion of a recording by pressing •→.

ADJUSTING THE RECORDING INDICATOR

A short beep is heard every 20 seconds so that all the parties in the call know it is being recorded. This feature can be turned off.
 gà Select sponsor > RECORDING > SETTINGS (5,5).
 gà Select your choice and press OK to confirm.

DISPLAYING RECORDING FEATURE STATUS

 gà Select sponsor > RECORDING > STATUS (5,6).

The display screen indicates the number of recordings, the total length of recorded calls and how many hours of recording time are left before the memory card is full.
The Avaya B179 has two groups of settings: Basic and Advanced. You must enter the Admin. PIN code to access the advanced settings.

The simplest way to make settings is using a PC and the Avaya B179 web interface (see page 38).

**BASIC SETTINGS**

**Selecting languages**
- Select ✎ > SETTINGS > BASIC > LANGUAGE (6,1,1).
- Select the language you want and press **OK** to confirm.

**Deactivating keypad tones**
You can select whether or not you want a tone to be heard when you press a button. Note that this setting does not affect the tone you hear when you dial a number in call mode.
- Select ✎ > SETTINGS > BASIC > KEY TONE (6,1,2).
- Select your choice and press **OK** to confirm.

**Adjusting ring level volume**
- Select ✎ > SETTINGS > BASIC > RING LEVEL (6,1,3).
- Select your choice and press **OK** to confirm.

There are six volume levels plus a silent mode. You will hear the ring tone for each level you select. If you select silent mode, an LED on the phone flashes when an incoming call is received.

**Adjusting sound (equalizer)**
The sound reproduction can be adjusted to the required pitch (SOFT, NEUTRAL and BRIGHT).
- Select ✎ > SETTINGS > BASIC > EQUALIZER (6,1,4).
- Select your choice and press **OK** to confirm.

**Settings when connecting external equipment (Aux)**
The Avaya B179 can be connected to a wireless headset or an external PA system. An optional PA interface box is required for PA system connection.
- Select ✎ > SETTINGS > BASIC > AUX PORT (6,1,5).
- Select the PA option to activate features for external microphone mixer and PA system.
Do not select the PA option unless a PA system is connected. This option turns off the internal microphone and internal speakers. The HEADSET option may be selected whether or not a headset is connected.

Settings for external PA system
It is assumed that the PA option has been activated in the previous menu before making these settings.

Select ☰ > SETTINGS > BASIC > PA (6,1,6).

Select INTERNAL MIC and press OK to switch between on (shaded box) and off.

To ensure maximum audio quality, do not use the internal microphone and external microphones connected via the PA interface box at the same time.

Only the internal microphone is turned off. Any external microphones connected to the Avaya B179 are still turned on.

Select INTERNAL SPKR and press OK to switch between on (shaded box) and off.

To ensure maximum audio quality, do not use the internal speakers and external speakers connected via the PA interface box at the same time.

Time format
The date and time can only be set by Admin. The time is normally retrieved from a time server. The time format has 12-hour and 24-hour options.

Select ☰ > SETTINGS > BASIC > TIME FORMAT (6,1,7).

Select your choice and press OK to confirm.

Date format
Select ☰ > SETTINGS > BASIC > DATE FORMAT (6,1,8).

Select your choice and press OK to confirm.

Changing text on the display screen
The text on the display screen can be changed when the Avaya B179 is on hook.

Select ☰ > SETTINGS > BASIC > SCREEN TEXT (6,1,9).

Delete existing text using ● ← and enter your new text. Press OK to confirm.
Resetting

This resets all user settings for the user profile shown to factory default settings. The phonebook, conference guide and all basic settings are reset. Account, network and SIP settings are not reset.

⇒ Select ⚙️ > SETTINGS > BASIC > DEFAULT.

⇒ Confirm that you really want to reset the settings to default by pressing OK again, or cancel the resetting procedure by pressing •↩️.

ADVANCED SETTINGS

Only Admin is able to make these settings. See “Installation and Administration of Avaya B179”.
SETTINGS DURING A CALL

The **HEADSET/PA, PHONE BOOK, TRANSFER** and **EQUALIZER** menus may be accessed during a call and are displayed when the ✎ button is pressed. The first option is either **HEADSET** or **PA** depending on whether PA is activated or not.

- These **HEADSET/PA** settings can only be accessed when a call is connected.

**Turn off the internal speakers when using a headset**

- PA should not be activated when using the **HEADSET** menu option.

A wireless headset can be used if a person needs to move far away from the conference phone (e.g. during a seminar or presentation). The internal speakers can be turned off temporarily if you wish to use the Avaya B179 as a personal telephone with a headset.

⇨ Select ✎ > **HEADSET**.

⇨ Select **YES** when asked “SPEAKER OFF?”.

- The speakers come on automatically when the call is ended.

**Adjusting microphone volume from PA system**

- PA should be activated when using the PA menu option.

⇨ Select ✎ > **PA > PA MONITOR**.

⇨ Adjust the microphone volume from the mixer so that the level on the display screen is around 10–12 when speaking in a normal tone.

**Adjusting PA calibration manually**

It is possible to calibrate the duplex performance of the conference phone when it is connected to a PA system. The calibration level can be set automatically by the Avaya B179 or adjusted manually to any value between 0 and 5 (0 being full duplex).

- Increase the calibration if the remote party experiences disturbing echoes.

- Decrease the calibration if the remote party experiences low duplex, i.e. your voice is muted or clipped when the other party is speaking.

- The position of the PA system’s microphones and speakers and the amplifier’s settings may affect full duplex performance.

⇨ Select ✎ > **PA > CALIBRATION**.
SETTINGS

 AUTO is the default setting and is recommended in most cases. The figure shown in brackets is the measured calibration value.

 Select different levels and compare the audio quality to achieve your preferred setting.

 NB. You must ask the person you are calling to assess the effect of the adjustments you make.

SYSTEM

The system menu can be used for manual restarts and resets.

Restarting the phone programme

This restarts the phone, which takes about two minutes.

 Select ☀ > SYSTEM > RESTART (7,1).

 Confirm that you really want to restart by pressing OK again, or cancel the restart by pressing ●←.

Restarting the phone

This restarts the telephone application, which takes less than 30 seconds.

 Select ☀ > SYSTEM > REBOOT (7,2).

 Confirm that you really want to restart by pressing OK again, or cancel the restart by pressing ●←.

Restore to factory settings

This option fully restores the Avaya B179 to factory settings. All settings are deleted, including PIN codes and registered accounts. Alternatively, a PIN code is required for Admin.

 Select ☀ > SYSTEM > FACTORY RESET (7,3).

 Enter the PIN code for Admin and press OK.

 Confirm that you really want to restart by pressing OK again, or cancel the restart by pressing ●←.
CHECKING STATUS

The status menu can be used for troubleshooting. Only the administrator is able to change these settings. See “IP Office B179 Conference Phone – Installation and Administration Guide” for an explanation of the settings.

Main account

To check account settings for the SIP account.

Deserializer > STATUS > ACCOUNTS > MAIN ACCOUNT (8,1,1).

This shows the status for:
- ACCOUNT NAME
- STATUS
- REGISTRAR
- SIP ID
- AUTH.NAME
- REALM
- PROXY

Fallback account

To check account settings for fallback SIP account.

Deserializer > STATUS > ACCOUNTS > FALLBACK ACCOUNT (8,1,2).

Shows the same information as the menu option above.

Transfer protocol

To check which protocol is used to transmit data packages over the network.

Deserializer > STATUS > ACCOUNTS > TRANSPORT (8,1,3).

Current protocol is displayed.

Network

To check which protocol is used to transmit data packages over the network.

Deserializer > STATUS > NETWORK (8,2).

This shows the status for:
- DHCP
- IP ADDRESS
- HOSTNAME
- DOMAIN
- NETWORK
- GATEWAY
- DNS 1
- DNS 2
- VLAN
NAT Traversal
To check whether address conversion is activated, which may be necessary if the phone is behind a firewall.

⇒ Select ☀ ➤ STATUS ➤ NAT TRAVERSAL (8,3).

This shows the status for:
- STUN
- TURN
- ICE

Media
To check priorities of audio codecs and DTMF signalling.

⇒ Select ☀ ➤ STATUS ➤ MEDIA (8,4).

This shows the status for:
- CODEC PRIORITY
- VAD
- DTMF SIGNALLING
- SECURITY RTP
- SECURE SIGNALLING

Time
To check time servers and time zones.

⇒ Select ☀ ➤ STATUS ➤ TIME (8,5).

This shows the status for:
- NTP
- NTP SERVER
- TIMEZONE

Equipment
To check the phone’s serial number and software version.

⇒ Select ☀ ➤ STATUS ➤ DEVICE (8,6).

This shows the status for:
- AVAYA B179 (software version and date)
- SERIAL NUMBER
- MAC ADDRESS
YOU CAN USE THE WEB BROWSER OF A PC CONNECTED TO THE SAME NETWORK TO MANAGE CONTACTS, CONFERENCE GROUPS AND SETTINGS IN THE AVAYA B179.

Your choice of language for the Avaya B179 does not affect the web interface, which is only in English.

For security reasons, recordings can only be managed directly on the Avaya B179. All other settings that can be made directly on the Avaya B179 can also be made via the web interface. It is also possible to import and export contacts and conference groups, name user profiles and change PIN codes, which can only be done via the web interface. The administrator can also view logs, update software and create a configuration file.

Settings for accounts and networks require you to log in as an administrator. However, you can always check all settings as a user. Settings that require administrator rights are listed in the "IP Office B179 Conference Phone - Installation and Administration Guide".

The default setting for the PIN code is 0000 for the user account (Default, Profile 1, Profile 2, Profile 3 and Profile 4). We recommend that you change the PIN codes in order to protect the settings. The code may consist of eight digits. The administrator can always view and change the PIN codes to the user accounts. The administrator’s PIN code can only be reset with a complete reset to factory settings.

CHECKING NETWORK ADDRESSES

You must use the network address to log into the web server in the Avaya B179.

Press ⌨ and select the menu option STATUS > NETWORK (8,2).

Check the conference phone’s network address under the heading IP ADDRESS.
LOGGING IN TO THE AVAYA B179

Enter the phone’s network address in the web browser address bar.

Select Default or an empty user profile in Profile and enter the PIN code. The default code is 0000.

You can create a personal password protected phonebook using a user profile.
MANAGING THE PHONEBOOK

⇒ Select Phone Book.

Here, you can add, change and delete contacts. You can also import existing contacts.

⚠ When you call or are called by a contact who is already in the phonebook, that person’s name is displayed on the screen.

Adding a contact

⇒ Enter the contact’s name under Name:
⇒ Enter the contact’s phone number or URI under Number/URI.

⚠ Information about URI can be found on pages 48.

⚠ The way the number can be written may depend on the SIP PBX being used, but normally you can use:
  • Complete phone number, including country code
  • Phone number, including area code
  • Local phone number only
  • Internal speed dial number (with company’s own PBX)
  • URI, e.g. sip:user@company.com
  • URI with IP address, e.g. sip:10.10.1.100 (within a local network)
⇒ Click on Add contact.
USING THE WEB INTERFACE

Editing contacts

⇒ Click on the **Edit** contact button after the contact you want to change.
⇒ Edit the contact and click on **Save** contact.

Deleting contacts

⇒ Click on the **Erase** contact button after the contact you want to delete.
⇒ Confirm that you want to delete the contact.

You can also delete all contacts by pressing the **Erase all** button.

Importing contacts

You can import contacts from a comma separated values (CSV) file. One way of creating a CSV file is using Microsoft Excel and saving the file in CSV format.

Enter the names of the contacts in the first column and their phone numbers or URIs in the second. Do not use hyphens or spaces in the number. Note that Excel ignores zeros at the beginning of numbers. The cells must therefore be formatted as text.

Information about URI can be found on pages 50.

CSV files can also be created using software that can save in unformatted text format. Write a name, followed by a semi-colon and number – one contact on each line. When you save the file, give it a csv extension instead of txt.
It is normally possible to export contact books stored in your PC in CSV format.

1. Click on the Scroll… button under the heading Import in the web window.
2. Open your CSV file.
3. Click on Import.

The name is limited to 15 characters, since the Avaya B179 screen cannot display more than 15 characters.

Exporting contacts

You can export your contacts as a CSV document in order to import them into another phone.

1. Click on Export.
2. Save the document.
MANAGING THE CONFERENCE GUIDE

⇒ Select Phone Book > Conference guide.

Here, you can add, change and delete conference groups. It is also possible to import groups that you have created.

⚠️ When a call is connected to a contact who is already in the phonebook, that person’s name is displayed on the screen.

Adding a conference group

⇒ Give the group a name, enter the names and phone numbers of the group members.

⚠️ You can also add participants from the phone book by clicking the drop-down list Phone book.

⇒ Save the group by clicking on Add group.

Editing a conference group

⇒ Click on Edit group next to the contact you want to change.

⇒ Edit the group and click on Save group.
USING THE WEB INTERFACE

Deleting a conference group

⇒ Click on the Erase group button next to the group you want to delete.
⇒ Confirm that you want to delete the group.

† You can also delete all groups by pressing Erase all groups.

Importing conference groups

You can import conference groups using a comma separated values (CSV) file. See “Importing contacts” on page 37 for more information.

Enter the name of the group in the first column, the names of the group members in the second and their phone numbers or URIs in the third.

⇒ Click on the Scroll… button under the heading Import in the web window.
⇒ Open your CSV file.
⇒ Click on Import.

Exporting conference groups

You can export your groups as a CSV document in order to import them into another phone.

⇒ Click on Export.
⇒ Save the document.
CHECKING THE CALL LIST

Incoming, outgoing and missed calls are displayed in the call list in chronological order.

- Select **Call list > Recent**.
- Select one of the tabs **Incoming**, **Outgoing** or **Missed** to filter the list.
BASIC SETTINGS

The settings only affect the user profile you selected when you logged in.

Select Settings > Basic.

Changing PIN code and profile name
The PIN code can be changed from the default setting to protect against unauthorised use.

- Click on the Edit button under the heading Profiles.
- Enter a new PIN code.
- The code may consist of 8 digits.
- If you are changing a user profile, you can also change the name.

- Click on the Set and Save buttons.
- Make a note of the new PIN code and keep it in a safe place.
- The administrator is always able to view and change the name and PIN code of the profile.

Selecting languages
- Select a language in the list under the heading Language and click on Save.
USING THE WEB INTERFACE

Changing the ring tone level
⇒ Select the tone level from the list under the heading **Ring level** and click on **Save**.

Changing key tone
⇒ Select **On** or **Off** under the heading **Key tone** and click on **Save**.

Changing the recording indicator
A short beep is heard every 20 seconds so that all the parties in the call know it is being recorded. This feature can be turned off.
⇒ Select **On** or **Off** under the heading **Recording tone** and click on **Save**.

Settings when connecting external equipment (Aux)
The Avaya B179 can be connected to a wireless headset or an external PA system. An optional PA interface box is required for PA system connection.
⇒ Select the PA option to activate features for external microphone mixer and PA system.

⚠️ Do not select the PA option unless a PA system is connected. This option turns off the internal microphone and internal speakers. The **HEADSET** option may be selected whether or not a headset is connected.

Changing the time format
⇒ Select 12-hour or 24-hour under the heading **Time format** and click on **Save**.

Adjusting the sound
The sound reproduction can be adjusted to the required pitch (**SOFT**, **NEUTRAL** and **BRIGHT**).
⇒ Select **Soft**, **Neutral** or **Bright** under the heading **Equalizer** and click on **Save**.

Display text
The display text appears on the screen when the Avaya B179 is on hook.
⇒ Enter the text in the text field and click on **Save**.
RESTARTING THE AVAYA B179

Select Settings > System.

Restarting the phone application
This only restarts the phone software with the current settings. The restart takes about 30 seconds.

Click on Restart.

Restarting the phone
This shuts down and restarts the phone. This restart takes about three minutes.

Click on Reboot.
CHECKING STATUS

Although it is not possible to make settings in the Status menu, the information here may be useful when troubleshooting.

⇒ Select Status.

You can find the phone's serial number, network port address and current software version on the Basic tab. Settings made by the administrator for the network, time server, SIP accounts and media are on other tabs.
### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td>Diameter 240 mm, height 77 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>1 kg</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Liquorice black</td>
</tr>
<tr>
<td><strong>Display screen</strong></td>
<td>Illuminated graphics (LCD), 128x64</td>
</tr>
<tr>
<td><strong>Keypad</strong></td>
<td>Alphanumeric 0–9, *, on, off, mute, hold, volume up, volume down, 5 buttons for menu navigation, line, conference guide</td>
</tr>
<tr>
<td><strong>Anti-theft protection</strong></td>
<td>Kensington security slot</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>Support for SD and SDHC memory cards (Recording capacity 35h/GB)</td>
</tr>
</tbody>
</table>

**Connectivity**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network connection</strong></td>
<td>RJ45, Ethernet 10/100 Base T</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>Transformer 100–240 V AC/14 V DC, IEEE 802.3af Power over Ethernet Class III</td>
</tr>
<tr>
<td><strong>Extra microphones</strong></td>
<td>x2 modular 4/4</td>
</tr>
<tr>
<td><strong>Auxiliary</strong></td>
<td>Modular 4/4</td>
</tr>
</tbody>
</table>

**Network and communication**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network addressing</strong></td>
<td>DHCP and static IP</td>
</tr>
<tr>
<td><strong>NAT traversal</strong></td>
<td>STUN, ICE and TURN</td>
</tr>
<tr>
<td><strong>Connection protocol</strong></td>
<td>SIP 2.0 (RFC 3261 and companion RFCs)</td>
</tr>
<tr>
<td><strong>Transport</strong></td>
<td>UDP, TCP, TLS and SIPS</td>
</tr>
<tr>
<td><strong>Security</strong></td>
<td>SRTP</td>
</tr>
<tr>
<td><strong>Audio support</strong></td>
<td>Codecs: G722, G711 A-law, G711 μ-law, G729ab</td>
</tr>
<tr>
<td><strong>DTMF tone generation</strong></td>
<td>RFC, SIP INFO, In-band</td>
</tr>
<tr>
<td><strong>Time servers</strong></td>
<td>NTP and SNTP</td>
</tr>
<tr>
<td><strong>Configuration</strong></td>
<td>Via integrated web server</td>
</tr>
</tbody>
</table>

**Sound**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technology</strong></td>
<td>OmniSound® Wideband</td>
</tr>
<tr>
<td><strong>Microphone</strong></td>
<td>Omni-directional</td>
</tr>
<tr>
<td><strong>Reception area</strong></td>
<td>Up to 30 metres², &gt;10 people</td>
</tr>
<tr>
<td><strong>Speaker</strong></td>
<td>Frequency band 200–7000 Hz</td>
</tr>
<tr>
<td><strong>Volume</strong></td>
<td>90 dB SPL 0.5 m</td>
</tr>
<tr>
<td><strong>Equalizer</strong></td>
<td>Three pitches: soft, neutral, bright</td>
</tr>
</tbody>
</table>
TECHNICAL SPECIFICATIONS

Environment
Temperature: 5°–40°C
Relative humidity: 20-80% condensation free
Recommended acoustic conditions:
   Reverberation period: 0.5 S Rt 60
   Background noise: 45 dBA

Approvals
Electrical safety  EN 60950-1:2006,
                  ANSI/UL 60950-1-2002,
                  CAN/CSA-C22.2, No. 60950-1-03
EMC/Radio       EN 301 489-3 V1.4.1 (2002-08),
                EN 301 489-1 V1.6.1 (2005-09),
                FCC Part 15 subpart B,
                EN 300220-1:2000,
                EN 300220-2:2000
                RoHS