Avaya B179 SIP Conference Phone

User Guide
ENGLISH

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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.

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DESCRIPTION

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).
- Future-proof, can be upgraded with smart functions.

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

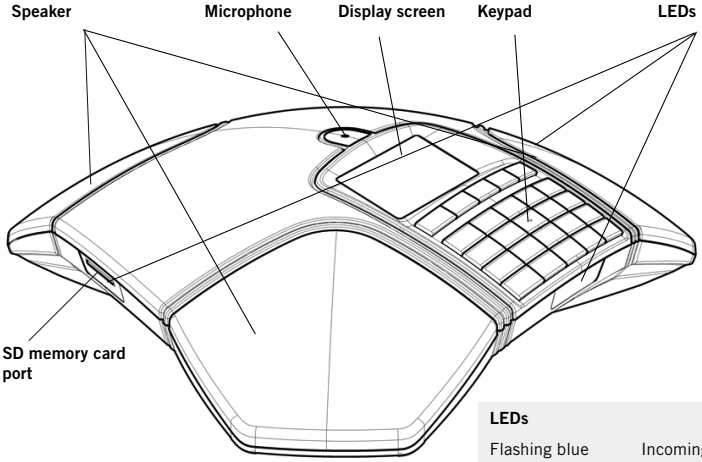
MAINTENANCE

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

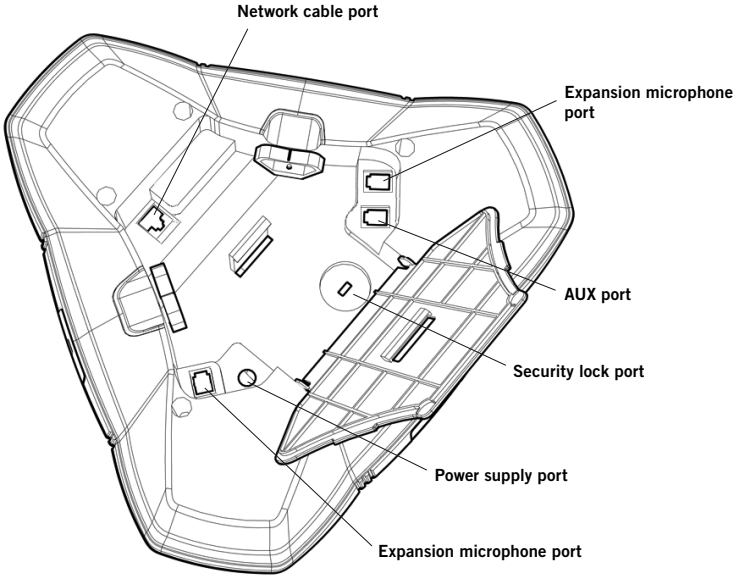
CONNECTIONS

Please refer to the “Avaya B179 SIP Conference Phone - Installation and Administration Guide” (16-603915) for instructions on how to connect and register your conference phone.

DESCRIPTION

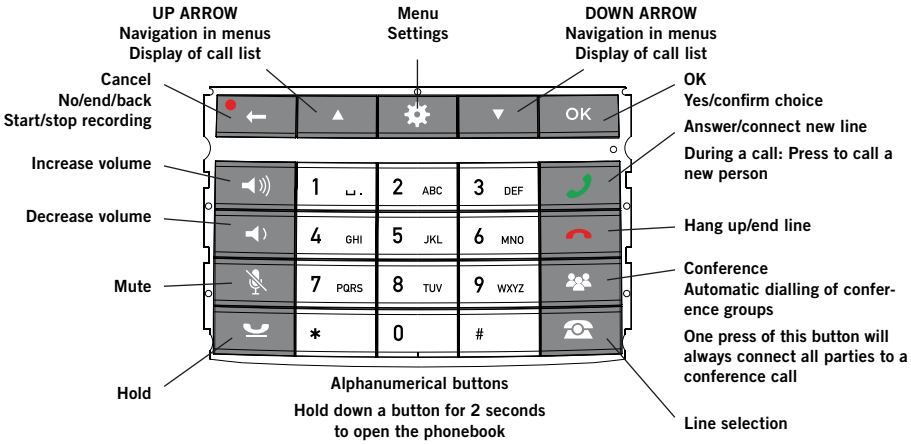


LEDs	
Flashing blue	Incoming call
Steady blue light	Call in progress
Flashing red	Hold, microphone and speaker turned off
Steady red light	Mute, microphone turned off



DESCRIPTION

KEYPAD



ⓘ 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.

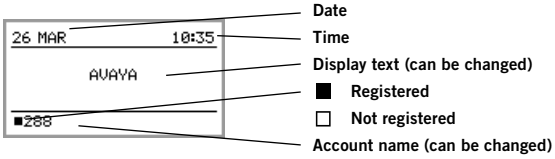
1 ␣ .	(blank) . - 1	
2 ABC	A B C Å Ä Á À 2	
3 DE	D E F É È 3	
4 GHI	G H I 4	
5 JKL	J K L 5	
6 MN	M N O Ö Ø Ñ 6	
7 PQRS	P Q R S 7	
8 TUV	T U V Ü Ú 8	
9 WXY	W X Y Z 9	
*		
0	0	
#		

DESCRIPTION

DISPLAY SCREEN

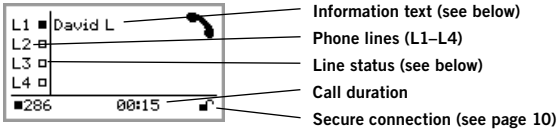
On Hook

Press ☎ to display this screen.



Off Hook

Press ☎ to display this screen.



Line status:

- □ Line free (Before account name – telephone not registered)
- ■ Line connected (Before account name – telephone registered)
- ■ Line on hold ("HOLD" displayed on the screen – all calls on hold)
- ✕ Line (called party) busy
- Own line put on hold by other party
- ● Recording call
- Secure connection

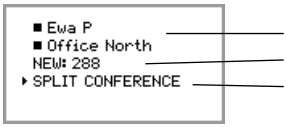
Information text displays one of the following:

- 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 (For example ☎ when you place all calls on hold)

DESCRIPTION

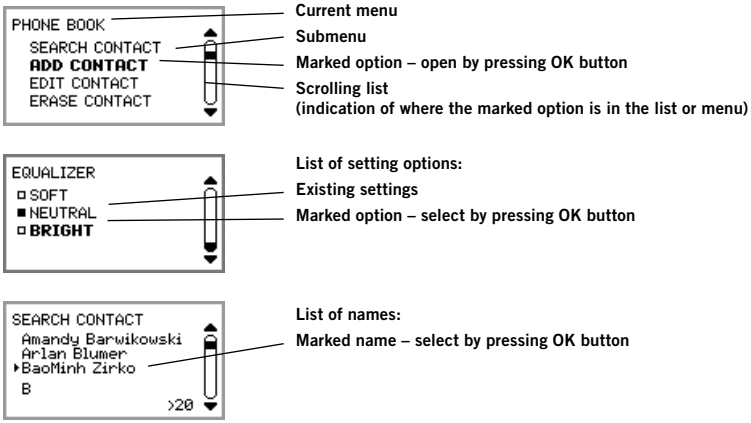
Line menu

Press ☎ to switch to and from this menu.



Menu

Press ✿ to switch to and from a menu.



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

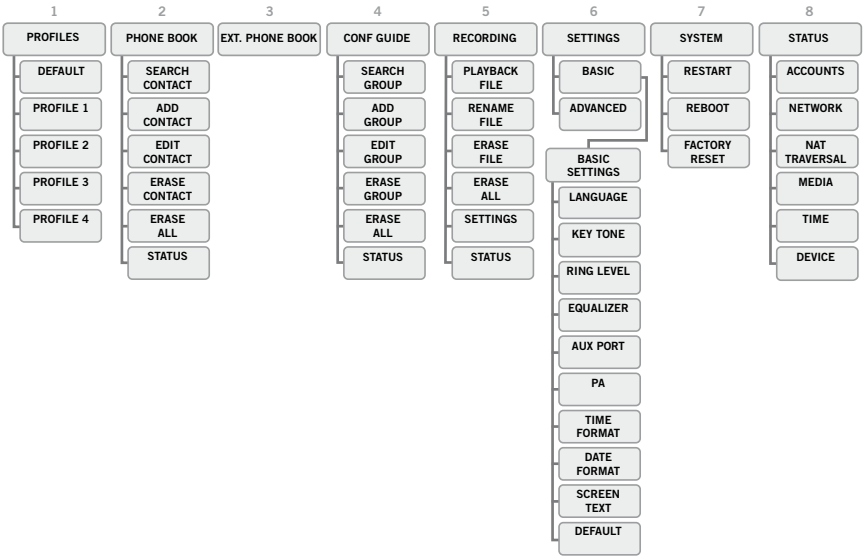
In the instructions, ⚙ > **SETTINGS** (6) means you should:

⇨ Press ⚙.

⇨ Mark the **SETTINGS** option using the arrow buttons and confirm by 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 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 34).

ANSWERING AND MAKING CALLS

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 17 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 19.

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 5.

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.
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 merge all lines into a multi-party call.

MAKING CONFERENCE GROUP CALLS

See “CONFERENCE GUIDE” on page 21 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

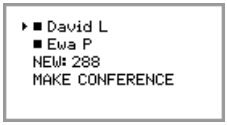
SWITCHING BETWEEN LINES DURING MULTI-PARTY CALLS

Talking privately with one individual

⇨ Press .
All lines are put on hold.

ⓘ 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.*

ⓘ 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.

⇨ 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.

ⓘ 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.

PROFILES

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.

PROFILES

CHANGING THE PROFILE NAME AND PASSWORD

⇨ Log in to Avaya B179, see pages 34–35.

⇨ 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.

PHONEBOOK

The Avaya B179's phonebook can hold up to 1000 numbers in each user profile. See page 8 for making calls via the phonebook.

ⓘ Please turn to page 4 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 8). 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.

PHONEBOOK

DELETING CONTACTS

⇨ Select ✿ > **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 ✿ > **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 ✿ > **PHONE BOOK** > **STATUS** (2,6).

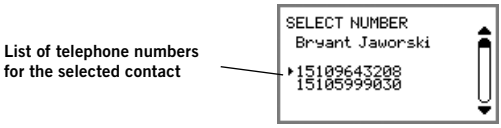
The display screen indicates the number of contacts already stored plus how many more contacts can be added.

EXTERNAL PHONEBOOK (LDAP)

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.

EXTERNAL PHONEBOOK (LDAP)

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 4 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 4 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.

CONFERENCE GUIDE

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.

CONFERENCE GUIDE

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.

RECORDING

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 26).

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.

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.

RECORDING

DELETING A RECORDING

⇨ Select ✿ > **RECORDING** > **ERASE FILE** (5,3).

⇨ Mark the folder you want and press **OK**.

⇨ Mark the recording to be deleted and press **OK**.

⇨ 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

⇨ Select ✿ > **RECORDING** > **ERASE ALL** (5,4).

⇨ 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.

⇨ Select ✿ > **RECORDING** > **SETTINGS** (5,5).

⇨ Select your choice and press **OK** to confirm.

DISPLAYING RECORDING FEATURE STATUS

⇨ Select ✿ > **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.

SETTINGS

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 34).

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.

SETTINGS

ⓘ 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

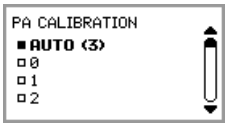
It is possible to calibrate the duplex performance of the conference phone when it is connected to a PA system. The calibration level can be set automatically by the Avaya B179 or adjusted manually to any value between 0 and 5 (0 being full duplex).

- 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 “Avaya B179 SIP Conference Phone – Installation and Administration Guide” for an explanation of the settings.

Main account

To check account settings for the SIP account.

⇨ Select ✿ > **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.

⇨ Select ✿ > **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.

⇨ Select ✿ > **STATUS** > **ACCOUNTS** > **TRANSPORT** (8,1,3).

Current protocol is displayed.

Network

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

⇨ Select ✿ > **STATUS** > **NETWORK** (8,2).

This shows the status for:
- DHCP
- IP ADDRESS
- HOSTNAME
- DOMAIN
- NETWORK
- GATEWAY
- DNS 1
- DNS 2
- VLAN

SETTINGS

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

USING THE WEB INTERFACE

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 “Avaya B179 SIP 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**.

USING THE WEB INTERFACE

LOGGING IN TO THE AVAYA B179

⇨ Enter the phone's network address in the web browser address bar.

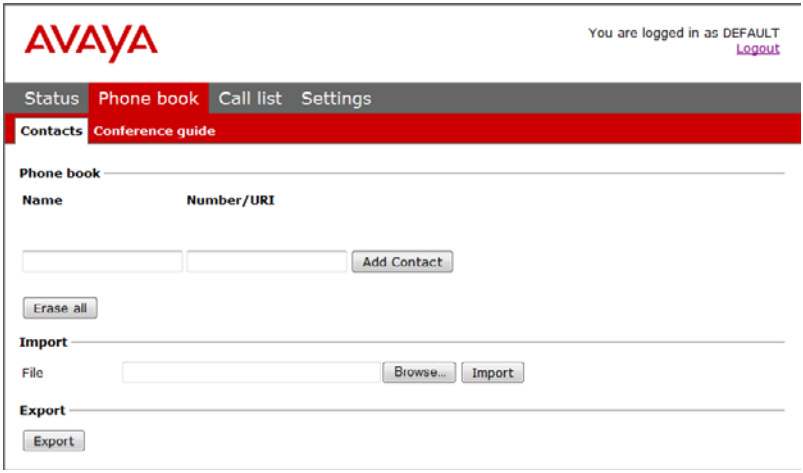
⇨ Select **Default** or an empty user profile in Profile and enter the PIN code.

ⓘ 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 44–45.

ⓘ 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**.

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

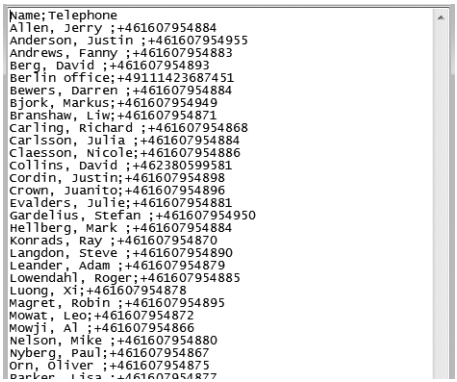
You can import contacts from a comma separated values (CSV) file. One way of creating a CSV file is using Microsoft Excel and saving the file in CSV format.

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 46–47.

	A	B	C	D	E	F
1	Name	Telephone				
2	Allen, Jerry	+461607954884				
3	Anderson, Justin	+461607954955				
4	Andrews, Fanny	+461607954883				
5	Berg, David	+461607954893				
6	Berlin office	+49116603687451				
7	Bewers, Darren	+461607954884				
8	Bjork, Markus	+461607954949				
9	Branshaw, Liw	+461607954871				
10	Carling, Richard	+461607954868				
11	Carlsson, Julia	+461607954884				
12	Claesson, Nicole	+461607954886				
13	Collins, David	+461111599581				
14	Cordin, Justin	+461607954898				
15	Crown, Juanito	+461607954896				
16	Evalders, Julie	+461607954881				
17	Gardelius, Stefan	+461607954950				
18	Hellberg, Mark	+461607954884				
19	Konrads, Ray	+461607954870				
20	Langdon, Steve	+461607954890				
21	Leander, Adam	+461607954879				
22	Lowendahl, Roger	+461607954885				
23	Luong, Xi	+461607954878				
24	Magret, Robin	+461607954895				
25	Mowat, Leo	+461607954872				

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**.



```
Name;Telephone
Allen, Jerry ;+461607954884
Anderson, Justin ;+461607954955
Andrews, Fanny ;+461607954883
Berg, David ;+461607954893
Berlin office;+49111423687451
Bewers, Darren ;+461607954884
Bjork, Markus;+461607954949
Branshaw, Liw;+461607954871
Carling, Richard ;+461607954868
Carlsson, Julia ;+461607954884
Claesson, Nicole;+461607954886
Collins, David ;+462380599581
Cordin, Justin;+461607954898
Crown, Juanito;+461607954896
Evalders, Julie;+461607954881
Gardelius, Stefan ;+461607954950
Hellberg, Mark ;+461607954884
Konrads, Ray ;+461607954870
Langdon, Steve ;+461607954890
Leander, Adam ;+461607954879
Lowendahl, Roger;+461607954885
Luong, Xi;+461607954878
Magret, Robin ;+461607954895
Mowat, Leo;+461607954872
Mowji, Al ;+461607954866
Nelson, Mike ;+461607954880
Nyberg, Paul;+461607954867
Orn, Oliver ;+461607954875
Parker, Lisa ;+461607954877
```

It is normally possible to export contact books stored in your PC in CSV format.

⇨ Click on the **Scroll...** button under the heading Import in the web window.

⇨ Open your CSV file.

⇨ Click on **Import**.

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

Exporting contacts

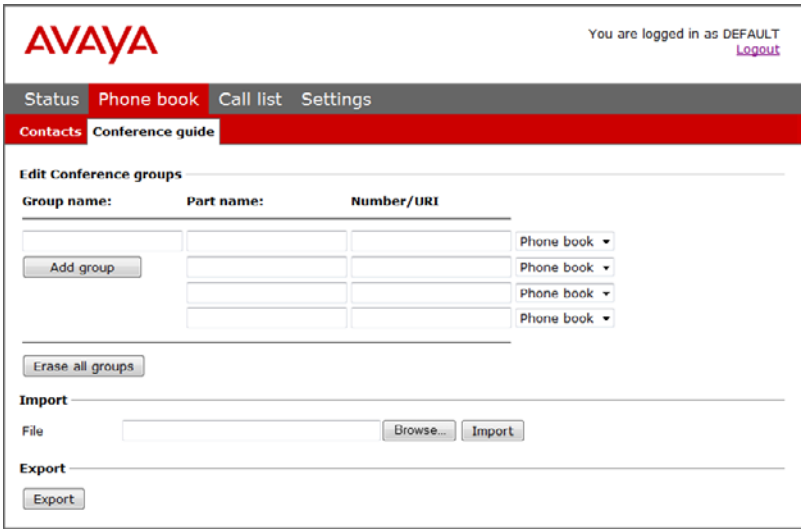
You can export your contacts as a CSV document in order to import them into another phone.

⇨ Click on **Export**.

⇨ 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**.

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.

	A	B	C	D	E	F	G
1	Group	Name	Number				
2	Sales	Carlsson, Julia	+4616017954884				
3	Sales	Berg, David	+4616017954893				
4	Sales	Berlin office	+4966023687451				
5	Sales	UK office	+4416057953687				
6	Development	Bjork, Markus	+4616017954949				
7	Development	Branshaw, Liw	+4616017954871				
8	Development	Luong, Xi	+4616017954878				
9	Development	Lowendahl, Roger	+4616017954885				

⇨ 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**.

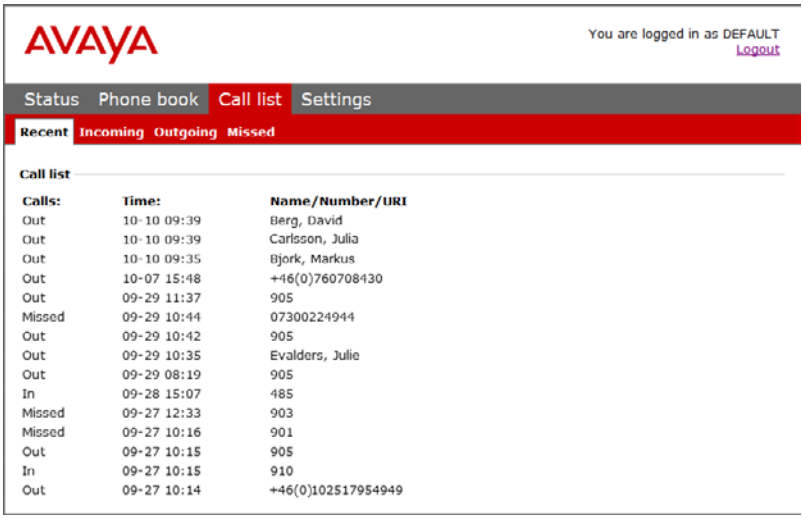
⇨ Save the document.

CHECKING THE CALL LIST

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

⇨ Select **Call list** > **Recent**.

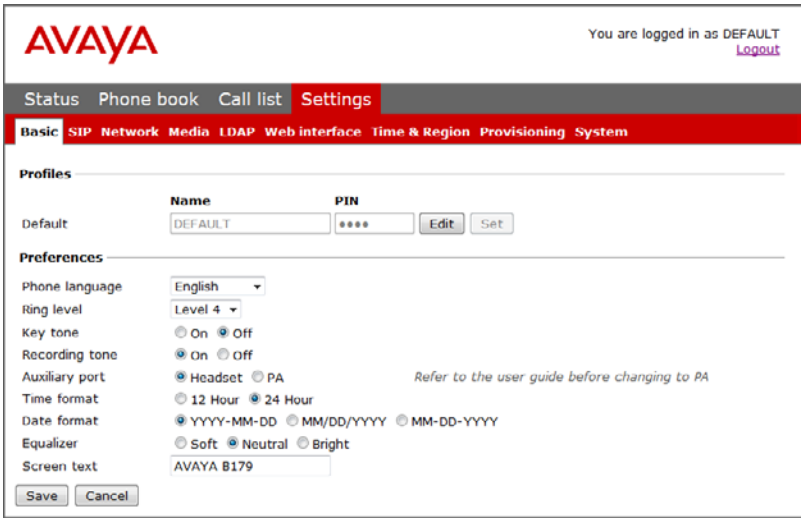
⇨ Select one of the tabs **Incoming**, **Outgoing** or **Missed** to filter the list.



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**.

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**.

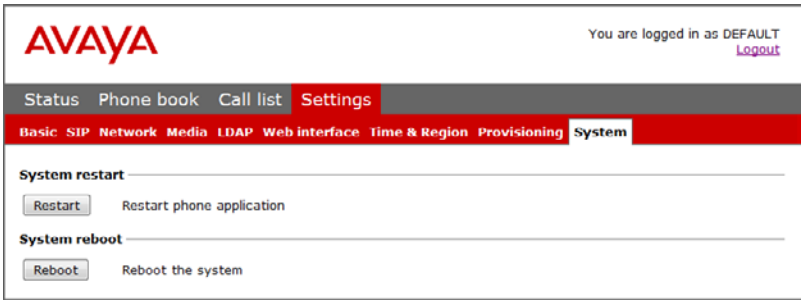
Display text

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

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

Connectivity

Network connection	RJ45, Ethernet 10/100 Base T
Power supply	Transformer 100–240 V AC/14 V DC IEEE 802.3af Power over Ethernet Class III
Extra microphones	x2 modular 4/4
Auxiliary	Modular 4/4

Network and communication

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

Sound

Technology	OmniSound® Wideband
Microphone	Omni-directional
Reception area	Up to 30 metres^2, >10 people
Speaker	Frequency band 200–7000 Hz,
Volume	90 dB SPL 0.5 m
Equalizer	Three pitches: soft, neutral, bright

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