



IP Office Platform

B159 Series User Guide

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Contents

1. General

1.1 The Phone	9
1.2 LEDs	10
1.3 The Keypad.....	10
1.4 Writing Text.....	10
1.5 Navigating the Menus.....	11
1.6 The Menu Tree.....	11

2. Installation

2.1 Unpacking.....	14
2.2 Connecting.....	14
2.3 Set the Phone Region.....	15
2.4 Set the Phone Language.....	15
2.5 Set the Phone Caller ID.....	15
2.6 Set the Phone Flash Recall Pulse Setting.....	15
2.7 Configure the Conference Codes.....	16
2.8 Connectivity Options.....	16

3. Answering and Making Calls

3.1 Answering Calls	18
3.2 Making Calls.....	18
3.3 Redialing	18
3.4 Calling from the Phonebook.....	18
3.5 Making Three-Way Calls.....	19
3.6 Adjusting the Speaker Volume.....	19
3.7 Muting Calls.....	19
3.8 Placing Calls on Hold.....	19
3.9 Ending Calls.....	19
3.10 During a Call.....	20
3.10.1 Connecting a New Line.....	20
3.10.2 Putting a Line on Hold.....	20
3.10.3 Disconnecting a Line.....	20
3.11 VoIP Calls	21
3.11.1 Line Mode.....	21
3.11.2 Making VoIP Calls.....	21
3.11.3 Answering a VoIP Call.....	21
3.11.4 Ending a VoIP Call.....	21
3.12 Calls via DECT and Mobile Phones.....	22
3.12.1 Select Mobile as the Telephone Line.....	22
3.12.2 Making Calls Using a Mobile Phone.....	22
3.12.3 Ending Calls.....	22

4. Conferencing

4.1 Creating Conference Groups.....	24
4.2 Making Conference Group Calls.....	24
4.3 Making Multiparty Calls.....	25
4.4 Display Conference Group Members.....	25
4.5 Editing Conference Groups.....	25
4.6 Deleting Conference Groups.....	25
4.7 Delete All Conference Groups.....	26
4.8 Display Conference Guide Status.....	26

5. Phonebook

5.1 Searching for Contacts.....	28
5.2 Adding Contacts.....	28

5.3 Editing Contacts.....	28
5.4 Deleting Contacts.....	28
5.5 Deleting All Contacts.....	28
5.6 Display Phonebook Status.....	29

6. Recording

6.1 Starting a Recording.....	32
6.2 Hold	32
6.3 Mute	32
6.4 Stopping Recording.....	32
6.5 Listening to Recordings.....	33
6.5.1 Listening to Recordings.....	33
6.5.2 Adjusting the Volume.....	33
6.5.3 Pause Playback.....	33
6.5.4 Move Forward During Playback.....	33
6.5.5 Stop Playback.....	33
6.6 Managing Recordings.....	34
6.6.1 Editing the Name of a Recording.....	34
6.6.2 Deleting a Recording.....	34
6.6.3 Deleting All Recordings.....	34
6.7 Adjusting the Recording Indicator.....	34
6.8 Display Recording Status.....	34

7. Settings

7.1 Selecting the Language.....	37
7.2 Selecting the Region.....	37
7.3 Deactivating the Keypad Tones.....	37
7.4 Adjusting the Ring Volume.....	37
7.5 Configuring the Conference Codes.....	38
7.6 Adjusting the Flash/Recall Pulse.....	38
7.7 Selecting the Caller ID Method.....	39
7.8 Adjusting the Date and Time.....	39
7.8.1 Changing the Date.....	39
7.8.2 Changing the Time.....	39
7.8.3 Changing the Time Format.....	39
7.9 Settings During a Call.....	40
7.9.1 Turning the Internal Speakers Off.....	40
7.9.2 Adjusting the PA Calibration.....	40
7.9.3 Adjust the PA Microphone Volume.....	40
7.10 Adjust the Microphone Volume with Mobile Connected	41
7.11 Adjusting the Sound Equalizer.....	41
7.12 Connecting External Equipment (AUX).....	41
7.13 External PA Settings.....	41
7.14 Changing the Display Screen Text.....	42
7.15 Adjusting the LCD Contrast.....	42
7.16 Defaulting the Phone.....	42
7.17 Checking the Phone Status.....	42

8. Appendix

8.1 Maintenance.....	44
8.2 Upgrading Software.....	44
8.3 Technical Specification.....	44
Index	0

Chapter 1.

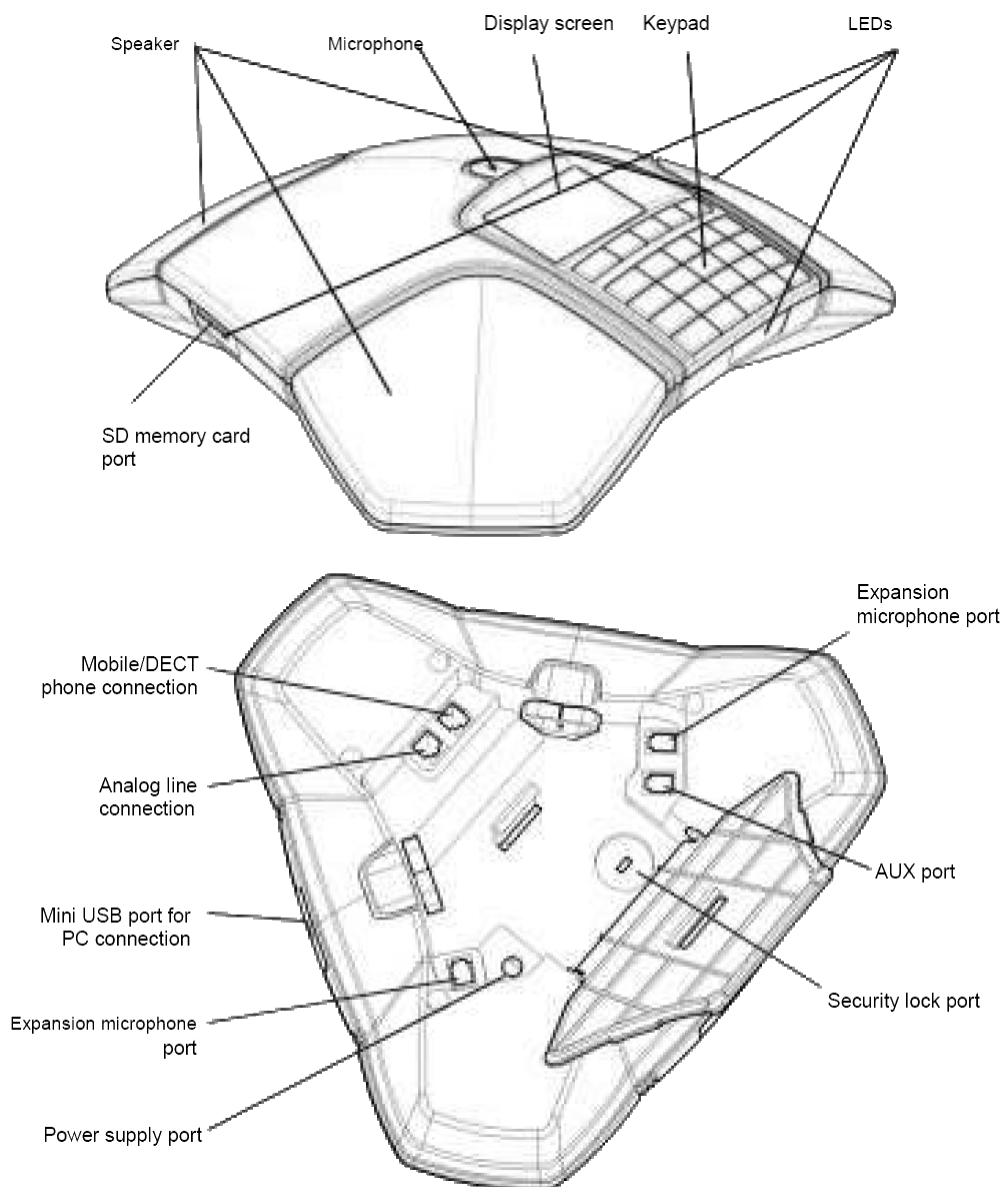
General

1. General

The Avaya IP Office B159 Conference Phone offers a host of innovative features:

- OmniSound audio technology.
- Conference guide for easy set-up of multiparty calls.
- Record your meetings with an SD memory card so that you can listen to them later on.
- Optional expansion microphones can be added to increase the voice pickup range.
- USB connectivity allows the phone to be used to make VoIP calls.
- The line mode enables you to combine and switch easily between connectivity technologies – analog, USB, mobile (GSM/DECT).
- A wireless headset or PA system can be connected. (Optional.)
- Can be upgraded with smart features, making it future-proof.

1.1 The Phone

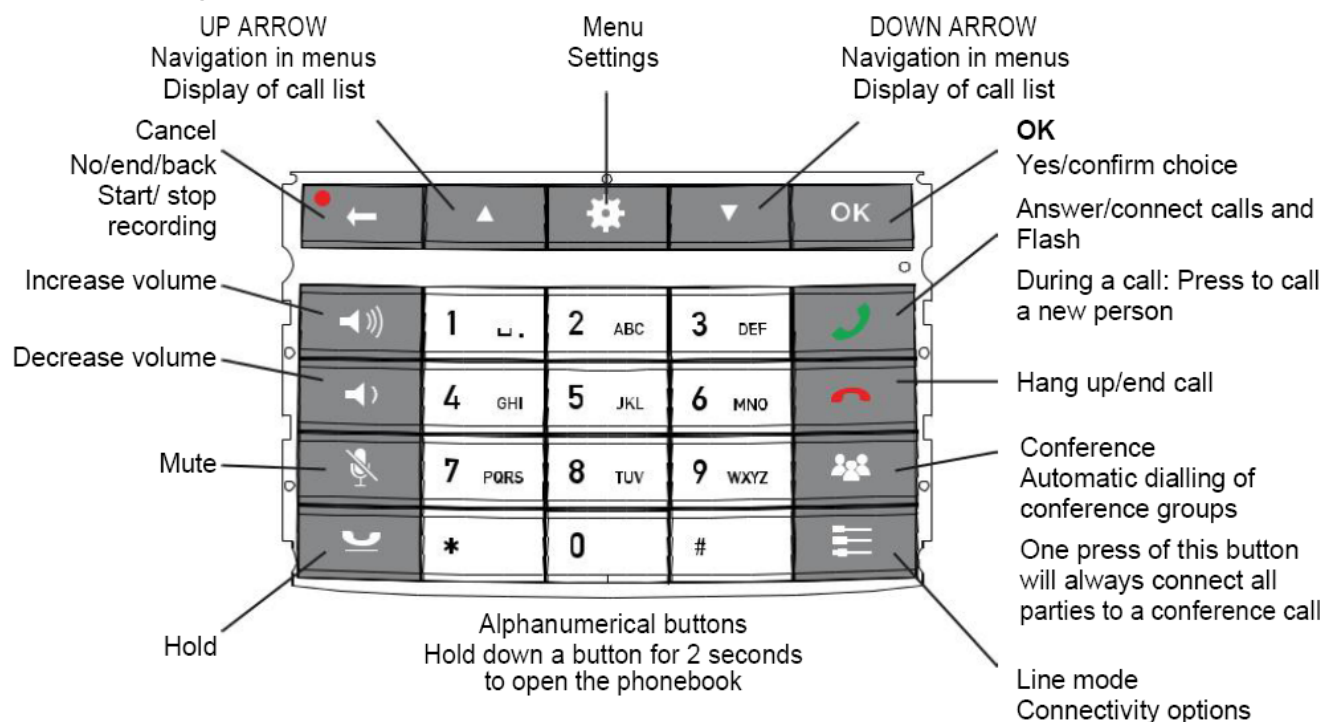


1.2 LEDs

The phone uses the following LEDs:


- **Flashing Blue:** Incoming call.
- **Steady Blue:** Call in progress.
- **Flashing Red:** On Hold. Microphone and speaker off.
- **Steady Red:** Mute. Microphone off.

1.3 The Keypad







1.4 Writing Text

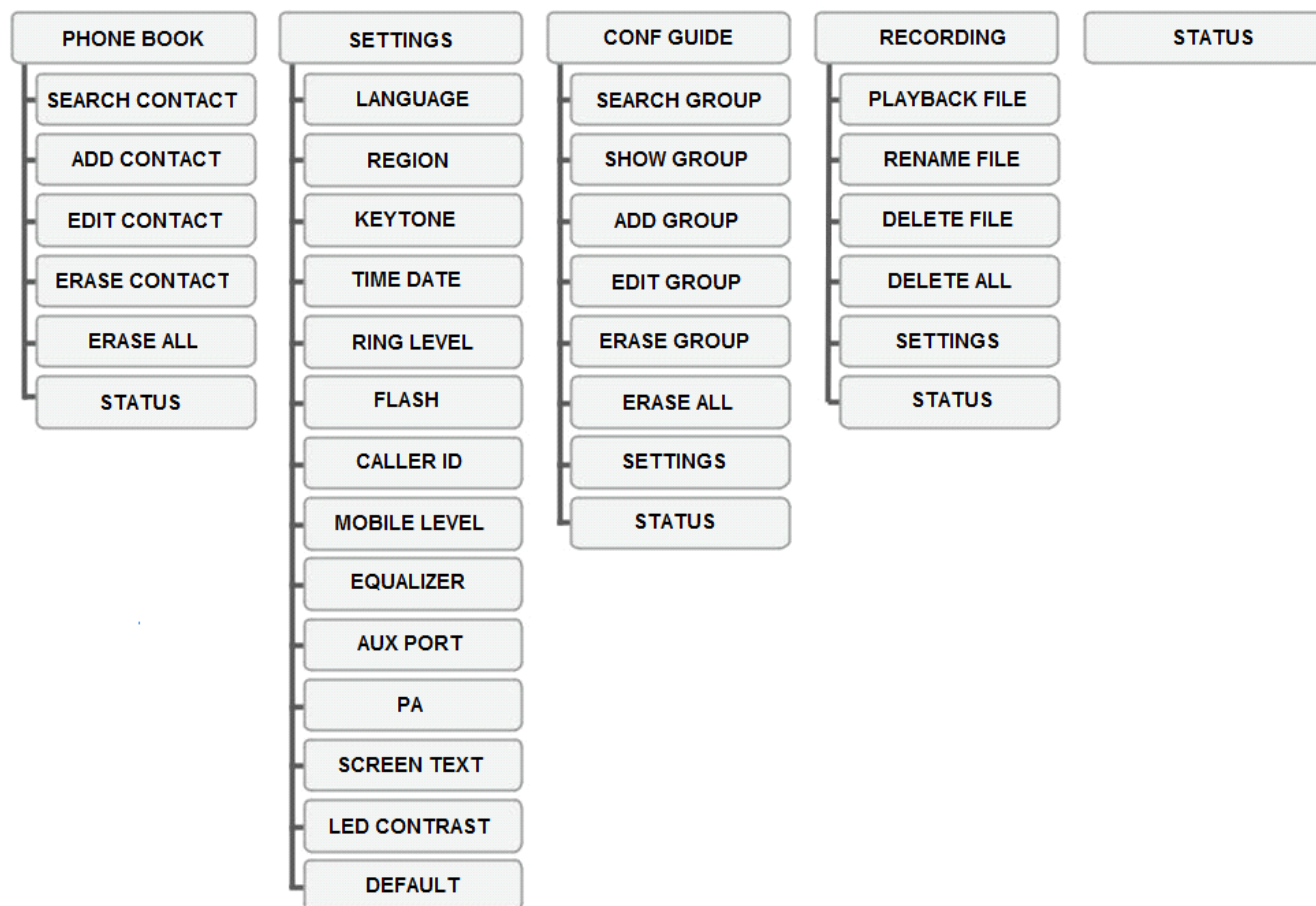
Each button contains letters and characters – more than those shown on the button (see illustration below). Press the same button repeatedly to change to another character. If there are two letters under the same button that you want to enter one after the other, you need to pause slightly before entering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

Press the  button to delete the last character you entered.

1.5 Navigating the Menus

1. Press .
2. Select the option you want from the [menu tree](#)  using the arrow buttons.
3. Confirm by pressing **OK** to select the marked option.
4. Cancel the setting or go back one level in the menu by pressing .
5. Quit the menu by pressing  again.
6. Note that after you have made changes to a setting, you must press **OK** to activate the setting.

1.6 The Menu Tree



Chapter 2.

Installation

2. Installation

2.1 Unpacking

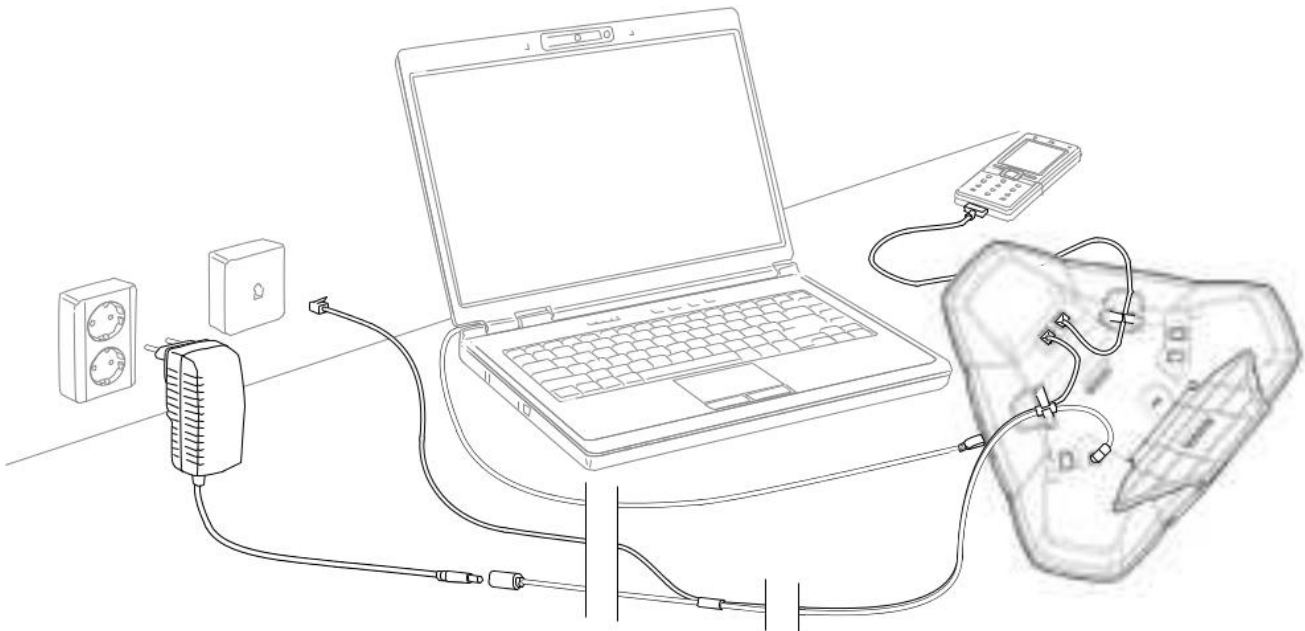
Check that all parts are included in the package. If any parts are missing, please contact your retailer.

- The Avaya IP Office Conference Phone
- Power adapter with universal socket compatibility
- 7.5 metre cable for electric power and line connection
- 1.5 metre USB cable
- Intermediate plugs for analog connection
- Quick reference guides in different languages

2.2 Connecting

Connect to an analog line, wireless DECT telephone/mobile phone or PC as illustrated:


- Plug the conference phone into the mains using the power adapter as illustrated.
- Place the conference phone in the middle of the table.
- An optional phone cable is required for connection to DECT/mobile phones.



2.3 Set the Phone Region

The first time the phone is started, you need to select the region in which you are located. The conference phone then automatically configures to the normal telecom network settings for that region. Your selected entry can be changed later via this menu.


To set the phone's region:

1. Select  > **SETTINGS** > **REGION**.
2. Select the region in which you are located and press **OK** to confirm.

2.4 Set the Phone Language

The phone supports a range of languages for the menu display.


To set the phone's menu language:

1. Select  > **SETTINGS** > **LANGUAGE**.
2. Select the language you want and press **OK** to confirm.

2.5 Set the Phone Caller ID

The phone needs to be configured to match the caller ID signalling method used in your country or region. The table below is a guideline for choosing the correct setting. If the caller ID is not working properly, select another setting or contact your telephone service provider for further information.


To set the phone's call ID setting:

1. Select  > **SETTINGS** > **CALLER ID**.
2. Select your choice.


Caller ID Standard	Country
Bellcore (Telcordia)	Canada (usually), USA, Australia, New Zealand, China, Hong Kong, Singapore.
ETSI	Austria, Belgium, Czech Republic, France, Germany, Italy, Luxemburg, Norway, Poland, Spain, Slovenia, Switzerland, Turkey, South Africa, Taiwan.
BT (British Telecom)	United Kingdom
DTMF	Denmark, Finland, Greece, Iceland, Netherlands, Portugal, Sweden, China, India, Saudi Arabia, Brazil, Uruguay.

3. Press **OK** to confirm.

2.6 Set the Phone Flash Recall Pulse Setting

The Flash/Recall signal sent when  is pressed during a call. It is used to request a new line from the telephone system to which the telephone is connected. Typically the length of the signal required varies between different countries and so must be set correctly.



To set the phone's flash/recall pulse width:

1. Select  > **SETTINGS** > **FLASH**.
2. Select your choice. Examples of settings are:
 - **100ms** = Scandinavia, Europe, Siemens HiPath
 - **300ms** = Germany, France, Israel
 - **500ms** = USA
3. Press **OK** to confirm.


2.7 Configure the Conference Codes

To automate multiparty conferencing, the phone needs to be configured with codes that match those expected by the telephone system to which it is connected. For example, by default IP Office systems use the system short code *47 to let a user conference together their current and held calls.

In the actions below:

- To enter **F**, press the  button.
- To backspace, press the  button.


To set the phone's conference signalling settings:

1. Select  > **CONF GUIDE** > **SETTINGS**.
2. At the **ENQUIRY** prompt, enter the command the telephone system uses to hold the current call and press **OK**. For IP Office, enter **F** and press **OK**.
3. At the **CONFERENCE** prompt, enter the command the telephone system uses to conference your held and current calls together and press **OK**. For IP Office, enter **F*47** and press **OK**.
4. At the **RETURN** prompt, enter the command your telephone system uses to switch between calls and press **OK**. For IP Office, enter **F** and press **OK**.

2.8 Connectivity Options

The phone can be connected to (make and receive calls) in several different ways. The default is to make and receive calls via an analog connection to a telephone system such as IP Office.

To set the phones active connections:

1. Press the  key.
2. Use the arrow buttons to select a connectivity option required. The options are:
 - **ANALOGUE** = Analog telephone line.
 - **MOBILE** = Mobile/DECT telephone.
 - **USB** = Computer (VoIP). See [VoIP Calls](#) ²¹ for more details.
 - **ANALOGUE+USB** = Analog telephone line+computer.
 - **MOBILE+USB** = Mobile/DECT telephone+computer.
3. Press **OK** to confirm your choice.

Chapter 3.


Answering and Making Calls

3. Answering and Making Calls

3.1 Answering Calls



A ring tone and the blue flashing LED indicates an incoming call.

To answer a call:

1. Press  to answer.
2. The LEDs show a steady blue light. The duration of the call is shown on the display screen.


3.2 Making Calls

To make a call:

1. Either:
 - Dial the number and press .
 - Press  and dial the number.
2. The number is called and the LEDs show a steady blue light. The duration of the call is shown on the display screen.

3.3 Redialing


To redial the previous number called:

1. Press an arrow button. The last number that you dialed appears on the display screen.
2. Use the arrow buttons to look through previously dialed numbers.
3. Press . The number you select is dialled.

3.4 Calling from the Phonebook

See [Phonebook](#) ²⁸ for instructions on adding and updating contacts in the phonebook.




To make a call from the phonebook:

1. Press and hold down a number button for two seconds.
2. The phonebook appears on the display screen. The pre-programmed names appear in alphabetical order, starting with the number button's first letter.
3. Use the arrow buttons to look through the phonebook.
4. Press . The contact you select is dialled.

3.5 Making Three-Way Calls



The simplest way to set up a multi-party call is to use the [conference guide](#) ^[25]. You can connect another party to an existing call as follows.

To start a simple conference:

1. Press . A second dialling tone is heard.
2. Dial the second participant's number and wait for an answer.
 - If you don't get an answer when you dial the second number, go back to the first call by pressing .
3. Press the  button and then *47. All three participants are now linked together in one call.







3.6 Adjusting the Speaker Volume

To adjust the speaker volume:

1. Adjust the speaker volume using the buttons  and .

Adjusting the speaker volume when two lines are connected



If you have selected double lines, you can adjust the volume level for each line. This is useful if the lines have different volume levels.

1. Press the  button or the  button to display the current volume setting.
2. The current main volume appears on the display screen. Above it are two smaller volume indicators which can be used to adjust the two connection lines.
3. Increase or decrease the speaker volume for both lines in the normal way, using the  and  buttons.
4. Use the arrow buttons to mark either of the connected lines.
5. Select a line and adjust its speaker volume using the  and  buttons.

3.7 Muting Calls



When a call is muted, you can still hear the other parties but they cannot hear you.

To mute a call:

1. Press  to turn off the microphone. The LEDs change from blue to red. The other party cannot hear what you are saying.
2. Press  to reconnect the call.


3.8 Placing Calls on Hold

To hold a call:

1. 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.
2. Press  to reconnect the call.

3.9 Ending Calls

To end a call:



1. End the call by pressing .

3.10 During a Call

3.10.1 Connecting a New Line



You can add another line or switch between connected lines during a call.

To connect a line to a call:

1. Press the  button during the call. An indicator appears on the display screen in front of the selected line(s).
2. Use the arrow buttons to mark the line you want to connect and confirm your choice by pressing .
 - If you selected **USB** or **MOBILE**, this line will open. You then connect the call via the computer or mobile phone.
 - If you selected **ANALOGUE**, you will hear a dialling tone. You then dial the number on the conference phone or use the Phonebook.
3. Please note that an analog line and a mobile line cannot be used simultaneously. If you are using **ANALOGUE** or **ANALOGUE+USB** as a line connection and you wish to connect **MOBILE** during a call, the **ANALOGUE** line will be put on hold. This is indicated by a flashing LED on the display screen.



3.10.2 Putting a Line on Hold

To put a line on hold:

1. Press the  button during the call.
2. Use the arrow buttons to mark the line you want to put on hold and press the  button. The indicator in front of the selected line starts to flash.
3. Repeat the above to reconnect the line.

3.10.3 Disconnecting a Line


To disconnect a line:

1. Press the  button during the call.
2. Use the arrow buttons to mark the line you want to disconnect and confirm your choice by pressing .
3. The indicator in front of the selected line goes out and the line is disconnected. The other calls can continue.

3.11 VoIP Calls


For these instructions, it is assumed that the computer is turned on, the VoIP software (for example Skype) is running and the conference phone is connected to the computer via the USB cable.

You can hold group calls over the Internet using VoIP software (for example Skype) with the conference phone. The conference phone acts as a loudspeaker and microphone when making VoIP calls.

In standby mode , it can also be used to play audio and music. When the conference phone is in standby mode, the display screen shows that the microphone is turned off.


3.11.1 Line Mode

To select USB/VoIP as the telephone line:

1. Press  and select USB as a phone line using the arrow buttons. Press **OK** to confirm.
 - **MOBILE+USB** connects calls via mobile telephones with VoIP calls over the internet.
 - **ANALOGUE+USB** connects calls on analog lines with VoIP calls over the internet.


3.11.2 Making VoIP Calls

To make a VoIP call:

1. Press . The conference phone has now been put into call mode and the LEDs show a steady blue light.
2. Indicate whether you want to connect a call with one user or several users in the computer's VoIP software.
3. The conference phone functions as a speaker and microphone for the computer.


3.11.3 Answering a VoIP Call

To answer a VoIP call:

1. Press . The conference phone has now been put into call mode and the LEDs show a steady blue light.
2. Indicate whether you want to start the call by answering in the computer's VoIP software. The conference phone functions as a speaker and microphone for the computer.

3.11.4 Ending a VoIP Call

To end a VoIP call:



1. End the call in the computer's VoIP software and put the conference phone on standby by pressing .
2. The conference phone now only functions as a speaker for the computer.

3.12 Calls via DECT and Mobile Phones

For these instructions, it is assumed that the conference phone is connected to a DECT or mobile telephone via a cable (optional accessory). Hereafter, both types of telephone are referred to as mobile phones.


3.12.1 Select Mobile as the Telephone Line

To select a mobile as the telephone line:

1. Press  and use the arrow buttons to select **MOBILE** as a phone line. Press **OK** to confirm.
2. If you select **MOBILE+USB** as the line mode in the conference phone, you will be able to [combine the call with a call connected via the computer](#) .


3.12.2 Making Calls Using a Mobile Phone

To make call using a mobile phone:

1. Press  and dial the number on the mobile phone as you normally would.
2. The conference phone now functions as a speaker and microphone for the mobile phone. The LEDs show a steady blue light.

3.12.3 Ending Calls

To end a call:

1. Ending the call on the mobile phone.
2. Press  to turn off the conference phone.

Chapter 4.

Conferencing



4. Conferencing

You may need to adjust some settings in your conference phone to make it compatible with your PBX. See [Configure the Conference Codes](#) ¹⁶.

4.1 Creating Conference Groups





The conference guide allows you to create 20 conference groups with up to six people in each. You can then call the participants in a meeting by simply pressing a few buttons.

To create a conference group:

1. Select  > **CONF GUIDE** > **ADD GROUP**.
2. Enter a group name and press **OK** to confirm.
3. Press **OK** to enter the first person.
4. Write the name of the first person and press **OK** to confirm.
5. Enter the number and press **OK** to confirm.
6. Press **OK** to add another person and repeat the above steps.
7. Conclude by pressing .






4.2 Making Conference Group Calls

To call a conference group:

1. Press the  button.
2. Select the conference group you want to call.
3. The conference phone dials the first person and asks you to confirm when the person answers.
 - a. Press  if the person you are trying to call does not answer.
 - b. The phone will ask you if you want to redial that person:
 - To redial press **OK**.
 - To not redial press . You will be asked if you want to end the conference guide or continue to the next person. Press **OK** to continue or  to end the guide.
4. Press **OK** when the first person has answered.
5. Continue in the same way for each person in the group.


4.3 Making Multiparty Calls

To make a multiparty call:

1. Press the  button.
2. Select **QUICK GUIDE** with the arrow buttons. Press **OK** to confirm.
3. The Quick Guide asks you to dial the first number.
4. Dial the first person's telephone number. Press **OK** to confirm.
5. Press **OK** when the first person has answered.
 - a. Press  if the person you are trying to call does not answer.
 - b. The phone will ask you if you want to redial that person:
 - To redial press **OK**.
 - To not redial press . You will be asked if you want to end the conference guide or continue to the next person. Press **OK** to continue or  to end the guide.
6. Press **OK** to call another person and repeat the above steps. Press  when you have called all the persons you want for your meeting.
7. If one of the persons does not answer, follow the steps for calling a saved conference group (see above).




4.4 Display Conference Group Members

To display a conference group's members:

1. Select  > **CONF GUIDE** > **SHOW GROUP**.
2. Mark the group you want and press **OK**.
3. The names of the conference group participants are displayed.



4.5 Editing Conference Groups

To edit a conference group:

1. Select  > **CONF GUIDE** > **EDIT GROUP**.
2. 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.
3. Mark your choice of option in the menu using the arrow buttons and press **OK** to confirm.
4. The names of the conference groups are displayed.
5. Mark the group you want to change and press **OK** to confirm.
6. Mark a person you want to change and press **OK** to confirm.
7. Make the change and press **OK** to confirm.
8. 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.



4.6 Deleting Conference Groups

To delete a conference group:

1. Select  > **CONF GUIDE** > **ERASE GROUP**.
2. Mark the group you want to delete and press **OK**.
3. Confirm that you really want to delete the group by pressing **OK** or cancel the deletion of a group by pressing .

4.7 Delete All Conference Groups


To delete all conference groups:

1. Select  > **CONF GUIDE** > **ERASE ALL**.
2. Confirm that you really want to delete all groups by pressing **OK** or cancel the deletion of all groups by pressing .

4.8 Display Conference Guide Status

You can display the current number of configured conference groups. The conference guide can contain up to 20 groups.

To display the conference guide status:

1. Select  > **CONF GUIDE** > **STATUS**.
2. The display screen indicates the number of conference groups already stored plus how many more groups can be added.

Chapter 5.

Phonebook






5. Phonebook

The conference phone has a phonebook that holds up to 50 entries. See [making calls via the phonebook](#) ¹⁸.

5.1 Searching for Contacts



The simplest way to search for a contact in the address book is to hold down a number button for two seconds. You can also search for a contact via the PHONEBOOK menu.

To search the phone book:

1. Select  > **PHONE BOOK > SEARCH CONTACT**.
2. Mark the contact you want.
3. 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.
4. Press **OK** or  to dial the selected contact. Press   to return to the **PHONE BOOK** menu or  to exit the menu.






5.2 Adding Contacts

To add a contact:

1. Select  > **PHONE BOOK > ADD CONTACT**.
2. Enter the name of the contact and press **OK** to confirm.
3. Write the number and press **OK** to confirm.
4. Press **OK** to add another contact or  to exit the menu.




5.3 Editing Contacts

To edit a contact:

1. Select  > **PHONE BOOK > EDIT CONTACT**.
2. Mark the contact you want to change. Press **OK** to confirm.
3. Make the change and press **OK** to confirm.
4. Delete a number or a letter in a name by pressing  . If you want to cancel the change, press   until the **PHONEBOOK** menu appears.




5.4 Deleting Contacts

To delete a contact:

1. Select  > **PHONE BOOK > ERASE CONTACT**.
2. Mark the contact you want to delete and press **OK**.
3. Confirm that you really want to delete the contact by pressing **OK** or cancel the deletion of a contact by pressing  .

5.5 Deleting All Contacts


To delete all conference groups:

1. Select  > **PHONE BOOK > ERASE ALL**.
2. Confirm that you really want to delete all contacts by pressing **OK** or cancel the deletion of a contact by pressing  .

5.6 Display Phonebook Status

You can display the current number of contacts in your phone book and how many more contacts you can add. The phone book can hold up to 50 entries.

To display the phone book status:

1. Select  > **PHONE BOOK > STATUS**.
2. The display screen indicates the number of contacts already stored plus how many more contacts can be added.

Chapter 6.

Recording

6. Recording

It is possible to record a phone conference on an SD (Secure Digital) memory card so you can listen to it later on.


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](#)^[34].

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](#)^[34] after the recording has ended.

6.1 Starting a Recording

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


To start recording a call:

1. Press the  button for two seconds and press **OK** to confirm.
2. The recording symbol flashes on the display screen.

6.2 Hold

You can hold a call that is being recorded. Whilst held none of the parties in the call are recorded.


To hold a recorded call:

1. 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.

6.3 Mute


You can mute a call while recording. The other party will not be able to hear you but they are still recorded.

To mute recording:

1. 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 but they are still recorded.

6.4 Stopping Recording

To stop recording:


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

6.5 Listening to Recordings

You can listen to a recorded phone conference on your conference phone 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.



6.5.1 Listening to Recordings

To listen to recordings:

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

6.5.2 Adjusting the Volume

To change the playback volume:

1. Increase the volume using the  button and lower it using .

6.5.3 Pause Playback

To pause playback:

1. Pause the playback by pressing **OK**.
2. Restart playback by pressing **OK** again.


6.5.4 Move Forward During Playback

To fast forward:

1. Move forward in the recording by pressing arrow down or backward by pressing arrow up.
2. The recording advances about 10 seconds every time you press the button. You can also jump further forward in the recording:
 - **3** = Forward 1 minute.
 - **6** = Forward 10 minutes.
 - **1** = Backward 1 minute.
 - **4** = Backward 10 minutes.

6.5.5 Stop Playback

To stop recording playback:




1. Stop the playback by pressing .

6.6 Managing Recordings

6.6.1 Editing the Name of a Recording



The recording is named by default with the time at which the recording started.

To change the name of a recording:

1. Select  > **RECORDING** > **RENAME FILE**.
2. Mark the folder you want and press **OK** to confirm.
3. Mark the recording to be edited and press **OK**.
4. Make the change and press **OK** to confirm.
5. Delete a number or a letter in a name by pressing .
6. If you want to cancel the change you are making and leave the name or number as they were, press  several times until the **RECORDING** menu appears.



6.6.2 Deleting a Recording

To delete a recording:

1. Select  > **RECORDING** > **DELETE FILE**.
2. Mark the folder you want and press **OK**.
3. Mark the recording to be deleted and press **OK**.
4. Confirm that you really want to delete the recording by pressing **OK** again, or cancel the deletion of a recording by pressing .

6.6.3 Deleting All Recordings


To delete all recordings:

1. Select  > **RECORDING** > **DELETE ALL**.
2. Confirm that you really want to delete all recordings by pressing **OK** again, or cancel the deletion of a recording by pressing .

6.7 Adjusting the Recording Indicator


When it is recording a call, the phone can play a short beep every 20 seconds so that all the parties in the call know it is being recorded.

To turn the call recording beep on/off:

1. Select  > **RECORDING** > **SETTINGS**.
2. Select your choice.
3. Press **OK** to save the setting.

6.8 Display Recording Status

To display the recording status:

1. Select  > **RECORDING** > **STATUS**.
2. 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.
3. <<<and>>>

Chapter 7.

Settings

7. Settings


This section covers how to change the phone's settings:

- [Selecting the Phone's Language](#) ^[37]
- [Selecting the Region](#) ^[37]
- [Deactivation the Keypad Tones](#) ^[37]
- [Adjusting the Ring Volume](#) ^[37]
- [Configuring the Conference Codes](#) ^[38]
- [Adjusting the Flash/Recall Pulse Width](#) ^[38]
- [Selecting the Caller ID Method](#) ^[39]
- [Changing the Date](#) ^[39]
- [Changing the Time](#) ^[39]
- [Changing the Time Format](#) ^[39]
- [Adjusting the Sound Equalizer](#) ^[41]
- [Connecting External Equipment \(AUX\)](#) ^[41]
- [External PA Settings](#) ^[41]
- [Changing the Display Screen Idle Text](#) ^[42]
- [Adjusting the LCD Contrast](#) ^[42]
- [Defaulting the Phone](#) ^[42]
- [Displaying the Phone Status](#) ^[42]

7.1 Selecting the Language

The first time the phone is started, you need to select the region in which you are located. The conference phone then automatically configures to the normal telecom network settings for that region. Your selected entry can be changed later via this menu.


To set the phone's region:

1. Select  > **SETTINGS** > **REGION**.
2. Select the region in which you are located and press **OK** to confirm.

7.2 Selecting the Region

The first time the phone is started, you need to select the region in which you are located. The conference phone then automatically configures to the normal telecom network settings for that region. Your selected entry can be changed later via this menu.


To set the phone's region:

1. Select  > **SETTINGS** > **REGION**.
2. Select the region in which you are located and press **OK** to confirm.

7.3 Deactivating the 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.

To switch keypad tones on/off:

1. Select  > **SETTINGS** > **KEY TONE**.
2. Select your choice.
3. Press **OK** to save.

7.4 Adjusting the Ring Volume



To adjust the ring volume:

1. Select  > **SETTINGS** > **RING LEVEL**.
2. Select your choice.
 - 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.
3. Press **OK** to save the setting.


7.5 Configuring the Conference Codes

To automate multiparty conferencing, the phone needs to be configured with codes that match those expected by the telephone system to which it is connected. For example, by default IP Office systems use the system short code *47 to let a user conference together their current and held calls.


In the actions below:

- To enter **F**, press the  button.
- To backspace, press the  button.


To set the phone's conference signalling settings:

1. Select  > **CONF GUIDE** > **SETTINGS**.
2. At the **ENQUIRY** prompt, enter the command the telephone system uses to hold the current call and press **OK**. For IP Office, enter **F** and press **OK**.
3. At the **CONFERENCE** prompt, enter the command the telephone system uses to conference your held and current calls together and press **OK**. For IP Office, enter **F*47** and press **OK**.
4. At the **RETURN** prompt, enter the command your telephone system uses to switch between calls and press **OK**. For IP Office, enter **F** and press **OK**.

7.6 Adjusting the Flash/Recall Pulse

The Flash/Recall signal sent when  is pressed during a call. It is used to request a new line from the telephone system to which the telephone is connected. Typically the length of the signal required varies between different countries and so must be set correctly.


To set the phone's flash/recall pulse width:

1. Select  > **SETTINGS** > **FLASH**.
2. Select your choice. Examples of settings are:
 - **100ms** = Scandinavia, Europe, Siemens HiPath
 - **300ms** = Germany, France, Israel
 - **500ms** = USA
3. Press **OK** to confirm.

7.7 Selecting the Caller ID Method

The phone needs to be configured to match the caller ID signalling method used in your country or region. The table below is a guideline for choosing the correct setting. If the caller ID is not working properly, select another setting or contact your telephone service provider for further information.

To set the phone's call ID setting:


1. Select  > **SETTINGS** > **CALLER ID**.
2. Select your choice.

Caller ID Standard	Country
Bellcore (Telcordia)	Canada (usually), USA, Australia, New Zealand, China, Hong Kong, Singapore.
ETSI	Austria, Belgium, Czech Republic, France, Germany, Italy, Luxemburg, Norway, Poland, Spain, Slovenia, Switzerland, Turkey, South Africa, Taiwan.
BT (British Telecom)	United Kingdom
DTMF	Denmark, Finland, Greece, Iceland, Netherlands, Portugal, Sweden, China, India, Saudi Arabia, Brazil, Uruguay.


3. Press **OK** to confirm.

7.8 Adjusting the Date and Time


7.8.1 Changing the Date

1. Select  > **SETTINGS** > **TIME DATE** > **DATE**.
2. Change the flashing figures for the year using the arrow buttons or by entering the figures on the keypad.
3. Press **OK** to confirm and to continue to the month, and then proceed in the same way for the day.


7.8.2 Changing the Time

1. Select  > **SETTINGS** > **TIME DATE** > **TIME**.
2. Change the flashing figures for the hour using the arrow buttons or by entering the figures on the keypad. Press **OK** to confirm and to continue to minutes.

7.8.3 Changing the Time Format

1. Select  > **SETTINGS** > **TIME DATE** > **TIME FORMAT**.
2. Select either a 12-hour or a 24-hour format using the arrow buttons and press **OK** to confirm your choice.

7.9 Settings During a Call


The **HEADSET/PA**, **PHONE BOOK**, **MOBILE LEVEL** 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 conference phone as a personal telephone with a headset.


1. Select  > **HEADSET**.
2. Select **YES** when asked "**SPEAKER OFF?**".
3. The speakers come on automatically when the call is ended.

7.9.1 Turning the Internal Speakers Off

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

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

Turn off the internal speakers when using a headset


1. Select  > **HEADSET**.
2. Select **YES** when asked "**SPEAKER OFF?**".
3. The speakers come on automatically when the call is ended.

7.9.2 Adjusting the PA Calibration

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 conference phone 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.

To adjust the PA calibration manually:

1. The position of the PA system's microphones and speakers and the amplifier's settings may affect full duplex performance.
2. Select  > **PA** > **CALIBRATION**.
 - **AUTO** is the default setting and is recommended in most cases. The figure shown in brackets is the measured calibration value.
3. Select different levels and compare the audio quality to achieve your preferred setting. Note, you must ask the person you are calling to assess the effect of the adjustments you make.

7.9.3 Adjust the PA Microphone Volume


To adjust the PA system microphone volume:

1. PA should be activated when using the PA menu option.
2. Select  > **PA** > **PA MONITOR**.
3. 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.

7.10 Adjust the Microphone Volume with Mobile Connected

The conference phone microphone has seven volume settings. If the volume of calls via DECT/mobile phones is too soft or too loud, you can easily adjust it to the right level.


To adjust the mobile connection volume:

1. Select  > **SETTINGS** > **MOBILE LEVEL**.
2. Select your choice.
3. Press **OK** to save the setting.

7.11 Adjusting the Sound Equalizer

The sound reproduction can be adjusted to the required pitch.


To adjust the sound equalizer:

1. Select  > **SETTINGS** > **MOBILE LEVEL**.
2. Select your choice from **SOFT**, **NEUTRAL** or **BRIGHT**.
3. Press **OK** to save the setting.

7.12 Connecting External Equipment (AUX)

The conference phone can be connected to a wireless headset or an external PA system. An optional PA interface box is required for PA system connection.


To connection an AUX system:

1. Select  > **SETTINGS** > **AUX PORT**.
2. Select the **PA** option to activate features for external microphone mixer and PA system.
3. 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.

7.13 External PA Settings

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




To adjust the external PA settings:

1. Select  > **SETTINGS** > **PA**.
2. Select **INTERNAL MIC** and press **OK** to switch between on (shaded box) and off.
3. To ensure maximum audio quality, do not use the internal microphone and external microphones connected via the PA interface box at the same time.
4. Only the internal microphone is turned off. Any external microphones connected to the conference phone are still turned on.
5. Select **INTERNAL SPKR** and press **OK** to switch between on (shaded box) and off.
6. To ensure maximum audio quality, do not use the internal speakers and external speakers connected via the PA interface box at the same time.

7.14 Changing the Display Screen Text


The text shown on the display screen when the phone is idle can be changed.

To change the idle display text:

1. Select  > **SETTINGS** > **SCREEN TEXT**.
2. Delete any existing text using   and enter your new text.
3. Press **OK** to save the setting.

7.15 Adjusting the LCD Contrast




To set the display contrast:

1. Select  > **SETTINGS** > **LCD CONTRAST**.
2. Select your choice.
3. Press **OK** to save the setting.

7.16 Defaulting the Phone

There is a menu option under **SETTINGS** that resets all settings to default. That includes deleting all contacts in the phonebook and all groups saved in the conference guide.

To default the phone:

1. Select  > **SETTINGS** > **DEFAULT**.
2. Confirm that you really want to reset the settings to default by pressing **OK** again, or cancel the resetting procedure by pressing  .
3. Follow the process for [configuring a new phone](#)^[14].

7.17 Checking the Phone Status

If you need to check the software version or serial number.

To display the phone status:

1. Select  > **STATUS**.

Chapter 8.

Appendix

8. Appendix

8.1 Maintenance

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

8.2 Upgrading Software

The conference phone is continually being developed with smart features. You will first need to install Avaya Upgrade Utility on your computer before you can upgrade your conference phone. Find out more at www.avaya.com/support.

To install the Avaya Upgrade Utility:

1. Go to the website www.avaya.com/support.
2. Select "Downloads" from the menu on the left side.
3. Enter "Conference Phones".
4. Download the Avaya Upgrade Utility.
5. Install the software on your computer.
6. Follow the instructions given by the installation program.

To upgrade the phone software:

1. Start the Avaya Upgrade Utility software on your computer from the Start menu.
2. Follow the instructions that the software guide gives you.

8.3 Technical Specification

Physical

Size	Diameter 240 mm, height 77 mm
Weight	1 kg
Color	Charcoal black
Display screen	Illuminated graphics (LCD), 128x64
Keypad	Alphanumeric 0–9, *, off hook/F, on hook, mute, hold, volume up, volume down, 5 buttons for menu navigation.
Anti-theft protection	Kensington security slot
Memory	Support for SD memory cards up to 2 GB

Connectivity

Analog telephone connectivity	Modular 6/6 modular (RJ11) to an analog PBX
Power supply	AC adapter 100–240 V AC/14 V DC
Expansion microphones	2 x Modular 4/4
PC connectivity	USB 2.0 Mini B
Audio connectivity for mobile phone	6/6 DEC
Auxiliary	Modular 4/4

Audio

Technology	OmniSound® 2.0 Wideband
Microphone	Omni-directional
Reception area	Up to 30 metres ² , >10 people
Speakers	Frequency band 200–3300 Hz, analog line
Sound level	90 dB SPL 0.5 m
Equalizer	Three pitches: soft, neutral, bright

USB Audio	200–7000 Hz, USB VoIP
	150–15000 Hz, USB playback

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

Telecommunication	TBR21, 47 CFR Part 68/TIA, IC CS-03 Issue 1999/01/01
EMC	EN301 489-1,3. EN 300 220-1,2, FCC subparts B and C
Electrical safety	UL 60950-1, EN 60950-1:2001

