

snom



Short User Manual
IP Phone D865

TABLE OF CONTENTS

Copyright, Trademarks, GPL, Legal Disclaimers	4
Important information	5
Safety instructions	5
Standards conformance.....	6
Product specifications.....	7
Disposal of the device	8
Cleaning	8
Setting up the phone	9
Delivery Content.....	9
Attaching footstand and handset.....	9
Connecting the phone	11
Initializing and registering the phone.....	12
Initialization	12
Correcting the clock	13
Getting to know your phone.....	15
At a glance.....	15
LED indicators.....	17
Hard keys.....	18
User mode/administrator mode	18
User names and passwords.....	18
Setting HTTP user name and password.....	19
Setting user/admin mode on the phone	19
Settings	20
The phone's web interface	20
How the web interface works	20
Directory.....	21
Ringtones.....	21
Using the phone	22
Making calls	22
Selecting identity for current outgoing call	22
Using different audio devices.....	22
Handset.....	22
Headset.....	22
Speakerphone.....	22
Accepting calls	23
Using different audio devices.....	23
Automatically accepting calls	23

Active calls.....	23
Hold.....	23
Conference	24
Transferring calls	25
Attended transfer	25
Blind transfer.....	25
Terminating calls.....	27
Call lists.....	27
Software update	28
Manual update.....	28
Auto provisioning.....	28
SRAPS.....	28
Troubleshooting	29
Contacting Snom Support.....	29
Traces	29
Appendix 1 - GNU General Public License	31

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Important information

Please read the instructions on safety and disposal and on how to set up and use the device before using it and also give them to other users to read or inform those users of their contents. Save this manual and do not give the device to third parties without it.

Attention: This "Short User Manual" has been derived from the more extensive English and German only "User Manual" to give non-English or non-German speaking user groups a more concise overview in their own language. For more detailed explanations, we therefore recommend consulting the "User manual".

Safety instructions

Follow the instructions in this manual and other applicable documentation of the device.

- This device is designed for professional use.
- **Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- **Warning:** The product included (ITE) in this manual is to be connected only to PoE networks without routing to the outside plant.
- The socket outlet for the power adaptor must be near the equipment and easily accessible.
- Mount the device only at heights not exceeding 2m.
- Follow the instructions in this manual and other applicable documentation of the device.
- If the phone is not supplied with power via the Ethernet cable, use only a power adapter expressly recommended by Snom Technology. Other power supplies may damage or destroy the phone, affect its behavior, or induce noise.
- Avoid placing the cables where people may trip over them or where they may be exposed to mechanical pressure as this may damage them.
- This device is for indoor use only! NOT FOR OUTDOOR USE!
- Do not install the device in rooms with high humidity (for example, in bathrooms, laundry rooms, damp basements). Do not immerse the device in water and do not spill or pour liquids of any kind onto or into the device.
- Do not install the device in surroundings at risk for explosions (paint shops, for example). Do not use the device if you smell gas or other potentially explosive fumes.
- Do not use the device during thunderstorms. Lightning striking the power grid may cause electric shocks.
- **Warning:** The handset contains a magnet, and its earpiece may attract small dangerous objects such as needles or pins. Please ensure before each use that no such objects are present.
- Safety status of input/output connections comply with SELV (Safety Extra Low Voltage) requirements.
- **Warning:** To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and PSTN ports contain TNV circuits. Some LAN and PSTN ports both use RJ-45 (8P8C) connectors. Use caution when connecting cables.

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Standards conformance



This device complies with the essential health, safety, and environmental requirements of all relevant European directives and UK legislation. The declaration of conformity can be downloaded at <https://www.snom.com/conformity>.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

This phone is FCC Class A verified and meets US health, safety, and environmental standards.

Unauthorized opening, changing, or modifying the device will cause the warranty to lapse and may also result in the loss of CE, UKCA, and ISED conformity and the FCC verification. In case of malfunction contact authorized service personnel, your seller, or Snom.

Additional information U.S.A.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Consumer Information

- a. This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.
- b. An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., RJ45C) in the packaging with each piece of approved terminal equipment.
- c. A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant LAN cable (RJ45) and modular plug is provided with this product. An RJ45 jack should normally be used for connecting to the SIP equipment through the LAN cable. See installation instructions for details.
- d. If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

- e. The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
- f. Should you experience trouble with this equipment, please contact
Snom Technology GmbH
1 (339) 227-6160 (select option 2)
for repair or warranty information. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.
- g. Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.
- h. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.
- i. **NOTICE:** If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this device does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.
- j. This equipment is hearing aid compatible.

NOTICE: According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrester is recommended.

Product specifications

- **Safety:** IEC 62368-1
- **Bluetooth**
 - Radio frequency band: 2402–2480 MHz (US, EMEA)
 - Max. transmission power: 7.08mW (US), 6.31mW (EMEA)
- **Wireless LAN (WLAN, WiFi):** 802.11b/g/n/a/ac
 - Radio frequency (RF) bands:
 - EMEA: 2412–2472 MHz, 5150–5850 MHz
 - US: 2412–2462 MHz, 5150–5850 MHz
 - Max. transmission power:
 - 2.4G Wi-Fi: 63.10mW (US), 79.43mW (EMEA)
 - 5G Wi-Fi B1: 63.10mW (US), 199.53mW (EMEA)
 - 5G Wi-Fi B2: 63.10mW (US), 199.53mW (EMEA)
 - 5G Wi-Fi B3: 100mW (US), 100mW (EMEA)
 - 5G Wi-Fi B4: 100mW (US), 25.12mW (EMEA)
- **Connectors:**
 - 2 x RJ45 (Ethernet): 1 x LAN, 1 x PC
 - 2 x 4P4C (handset, optional headset)
 - 1 x RJ12 (for EHS)
 - 2 x USB 2.0 ports, type A
 - 1 x coaxial power connector
- **Ethernet:** 2 x IEEE 802.3 / 1 Gigabit Ethernet switch

- **Power.** Power over Ethernet (PoE), IEEE 802.3af, Class 3. If PoE is not available, one of the following power adapters (not included in delivery) can be ordered separately:
 - Mass Power, model NBS12E050200UV, Snom PN 00004570 (EU, U.S.)
 - Rongweixin, model R122-0502000ID, Snom PN 00004571 (U.S.)

Disposal of the device



This device is subject to European Directive 2012/19/EU and may not be disposed of with general household garbage. If you do not know where you may dispose of the device at the end of its lifespan, contact your municipality, your local waste management provider, or your seller.

Cleaning

To clean the device, use an anti-static cloth. Please avoid cleaning liquids as they might damage the surface or internal electronics of the device.

Setting up the phone

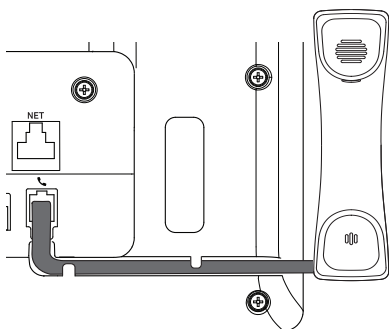
Delivery Content



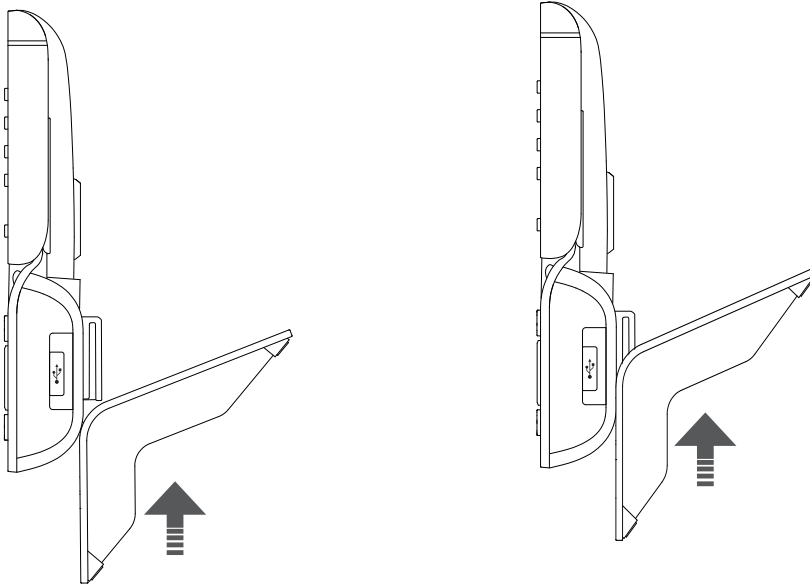
- Base phone unit
- Footstand
- Handset
- Handset cord
- Ethernet cable
- Quick Installation Guide, GNU General Public Licence

Attaching footstand and handset

Note: Before attaching the footstand to the phone, plug the long end of the handset cord into the connector labelled "H" on the back of the phone and place the cord in the cable guide.

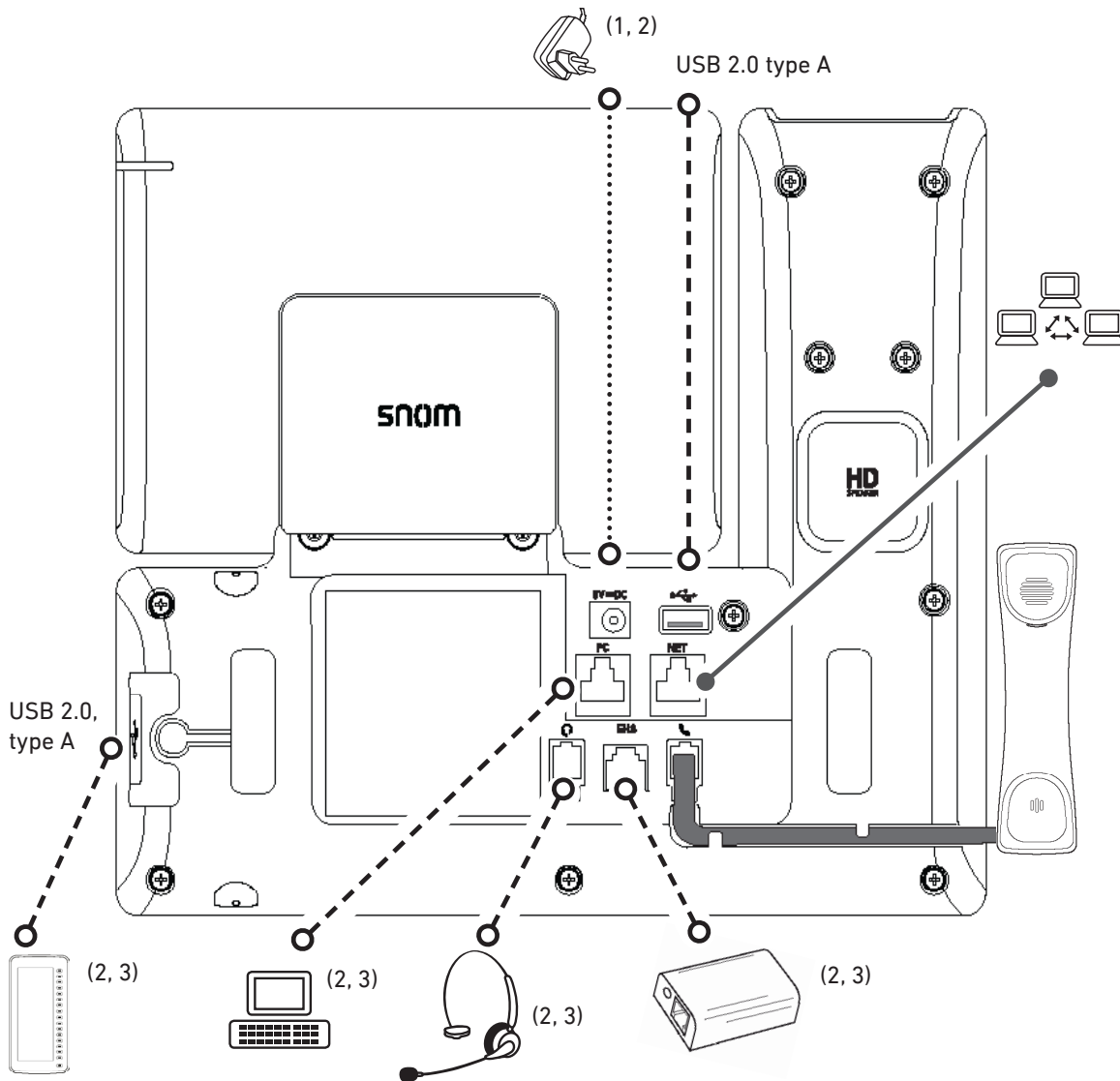


1. Place the top of the grooves on the footstand below the slideguides on the back of the phone.
2. Push the footstand upwards onto the slideguides until it locks into place.



3. Plug the short end of the handset cord into the connector on the handset.
4. Place the phone on an even, horizontal surface.

Connecting the phone



- (1) If PoE not available ●.....●
- (2) Not included in delivery
- (3) Optional ●-----●

The phone can be operated with Power over Ethernet (PoE) provided via the network cable or, if PoE is not available in your network, with the separately available 5V DC power adapter (see "Product specifications" on page 7).

- Plug one end of the Ethernet (network) cable into the RJ45 connector labeled **"NET"** and the other one into the network side to establish a data link.
If PoE is not available, insert the plug of the power supply into the connector labeled **"5V DC"** and hook up the plug to the wall outlet.
- The second RJ45 connector, labeled **"PC"**, is for daisy-chaining further Ethernet devices without the need for a second Ethernet connection line.

Initializing and registering the phone

Initialization

Snom phones are plug-and-play. Once the phone is connected to your network, it will begin to initialize.

Note: Normally the initialization is completely automatic, using DHCP. If the phone cannot discover a DHCP server in the subnet, you will be asked: Are you using DHCP? If your network does not support DHCP, press **X** and enter the IP address, netmask, IP gateway, and DNS server manually. Ask your Internet service provider or your network administrator for them.

If your network does not support DHCP, follow the instructions given.

When the phone has been connected, it will show the welcome screen with the IP address of the Phone Manager. Enter the IP address into the address bar of your computer's browser and press ENTER to open the Phone Manager.

Welcome to Phone manager!

Please log in with your user credentials.

Username
Your account username

Password
Your secret password

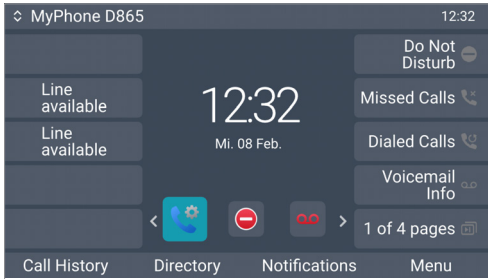
Authenticate


1. Click **Authenticate**. The **Home** page opens.

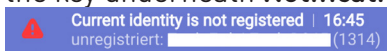


2. Click **Preferences** in the vertical menu on the left side.
3. Select the **language** and click **Apply**,
4. Select the **timezone** and click **Apply**.
5. Select the **tone scheme** (dial tone) and click **Apply**.
6. Click **Identities** in the vertical menu on the left side and select **Profile**.
7. Enter the **account number**, the **registrar**, and the **password** received from your Internet service provider or administrator and click **Apply**.

After successful registration you will see the idle screen with the registered identity in the upper left corner:



Note: If the account is preceded by a red dot  My Phone D8 and the phone is not working, the server may be down, either for servicing or due to a malfunction. Press the key underneath **Notifications** to see details.



The registration and initialization should be completed as soon as the server is up and running again. You may want to check with your administrator or your provider if nothing happens within a reasonable amount of time.

Correcting the clock

The phone receives the time and date from your NTP time server. If the time and/or date on the display are incorrect, you may need to set the correct time zone in the phone manager.

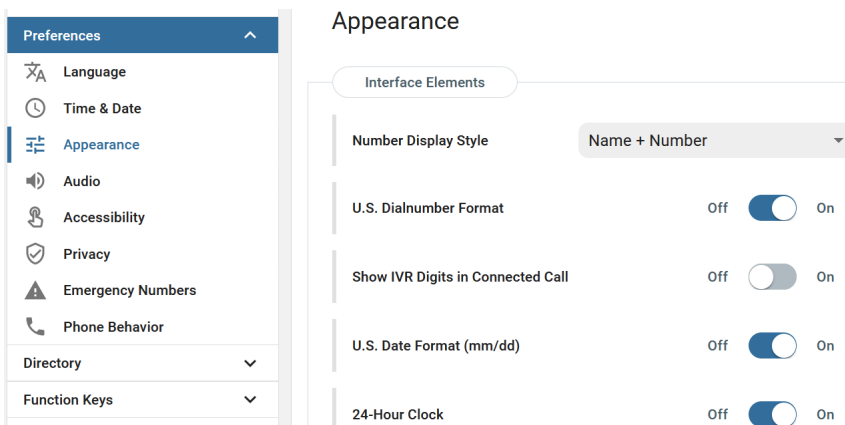
1. Click **Preferences**, then **Time & Date**.
2. In **Time**, select the timezone from the drop-down menu of **Time Zone** and click **Apply**.

If the time is still incorrect, there may be a problem with the time server. Contact your network administrator or your IP provider.

Time and date formats

The default settings are 24-hour clock, e.g. 17:35, and U.S. date format MM/DD/YEAR, eg. 11/23/2022. You can change both in the phone manager.

1. Click **Preferences**, then **Appearance**.



2. Click the slider of **U.S. Date Format** from **On** to **Off** if you want to change the date to the

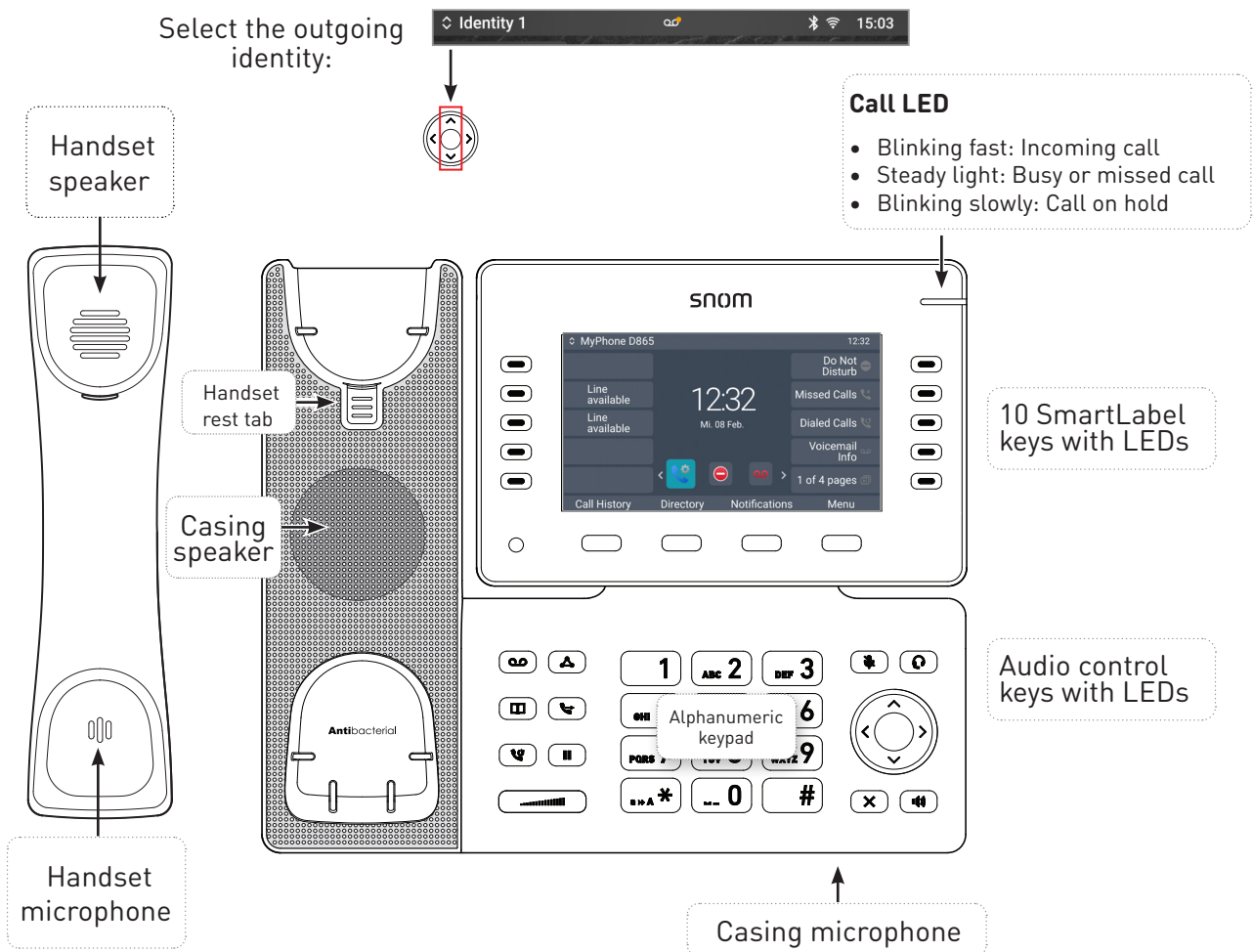
European format DD.MM.YEAR, e.g. 23.11.2022.

3. Click the slider of **24-Hour Clock** from **On** to **Off** if you want to change the time format to the 12-hour AM and PM format.

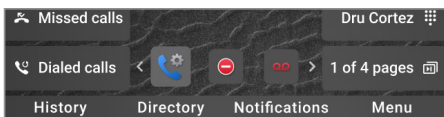
Getting to know your phone

At a glance

The factory settings at a glance:



Context-sensitive, programmable function symbols and function keys F1–F4

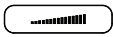


Press the function key underneath the display symbol to activate the function, open the list etc. depicted by the symbol above the key.

Standard functions available on idle screen. Default settings depend on the firmware installed on the phone.

- Directory** Internal phone directory
- History** Call lists (missed, received, dialled calls)
- CFwd** Forwarding all calls (turning CFwd on/off)
- Menu** Settings menu
- Notifications** Status information (call forwarding active, passwords not set, missed calls, etc.)

Audio control keys



Adjusting the volume of the ringer when the phone is idle or ringing or of the handset/casing loudspeaker when in a call



Mute/unmute microphone



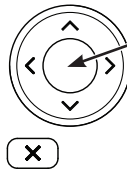
Toggling between handsfree and handset mode. Press to dial number and accept calls on speakerphone.



Headset mode on/off

Navigation keys

Canceling actions & input, and returning to previous screen
Terminating calls on speakerphone and in headset & handset modes



Confirming, saving actions & input, and returning to previous screen
Accepting calls on speakerphone and in headset mode

From idle screen: call features menu



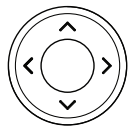
From idle screen: Select outgoing identity

In other contexts (settings, lists): Navigate up/down

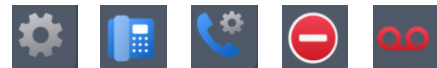


On idle screen: Select a favicon

In other contexts: Navigate/space left



Favicons: shortcuts to menus



Preferences System Call Features DND Mailbox

Dedicated, customizable function keys



MWI key with LED
LED is lit when message is waiting on mailbox (if mailbox supplied on PBX)
Press key to listen to message(s)



Conference



Directory



Hold



Transfer



Redial

SmartLabel keys P1–P40, freely programmable, self-labeling, with LEDs



Default setting: Line

Fast-blinking LED: Incoming call. Press blinking key or to accept

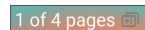
Steadily lit LED: In call

Slow-blinking LED: Call on hold



- P1– P10
- P11 – P20
- P21 – P30
- P31 – P40

Default page keys: P10, P20, P30, P40



Star key


In editing mode: Press for one second to change input mode (numerals > lower case > upper case) or press briefly to type *

On idle screen: Press for 3 seconds to **lock/unlock the keypad**

LED indicators

Call indicator

The bright-red LED situated on the top right corner of the phone indicates incoming, ongoing, held, and missed calls. LED status indications:

- Blinking rapidly when a call is coming in.
- Glowing steadily when dialing, when in a call, and when you have missed a call. To turn the LED off after a missed call, press the right arrow  on the navigation key to view the **Missed calls** menu and simultaneously turn off the LED.
- Blinking slowly when you have put a call on hold.

Function key LEDs


SmartLabel keys P1–P40


Depending on the function mapped onto the key, the red or green LEDs on the key will be activated when the key event occurs. The factory setting is red LED and "line". The LEDs of a line key will:



- blink rapidly when a call is ringing on the line;
- glow steadily when there is an ongoing call on the line;
- blink slowly when a call is on hold on the line;
- be off when the line is free.

When other functions are mapped onto the keys, the LEDs may glow or blink. For example: When the "extension" function has been mapped onto a key and monitoring of extensions is enabled on both phones, the LED will

- blink rapidly when a call is ringing on the extension;
- glow steadily when the extension is busy;
- be off when the extension is not busy

MWI key : Has a red LED that lights up when there is a new message on the mailbox.

Mute key : Has a red LED that lights up when and as long as the microphone is muted.

Speakerphone  **and headset**  **keys:** Have green LEDs that light up when and as long as speakerphone or headset mode, respectively, are turned on.

Hard keys

Hard keys are an integral part of the D865 phone user interface (PUI) and allow user input and interaction. Please refer to chapter "At a glance" on page 15 to identify hard keys on the phone and learn about their factory values. These 43 hard keys have the following functionality:

- **4 context-sensitive, programmable function keys (F1 - F4)** are located directly below the display and can be programmed on the **Function Keys** page of the phone's web interface (WUI) with a number of key events; these functions will then be available when the phone is in idle mode.
- **1 alphanumeric keypad** consisting of **12 hard keys**, located in the center of the lower device part, further details see page 16.
- **5-way navigation key (up, down, left, right, confirmation) and 1 cancel key** are found on the right side next to the alphanumeric keypad and can be programmed with the key events available in their drop-down menus, further details see page 16.
- **6 preprogrammed, variably programmable function keys** have their factory settings printed on the key, see page 16. Other functionalities can also be programmed onto them.
- **5 audio control keys** are used to adjust the volume (2), for muting and unmuting the microphone (1), to activate speakerphone (1) and headset mode (1), further details see page 16.
- **10 SmartLabel keys (freely programmable function keys with LEDs P1 - P40)** on the both sides of the display control the SmartLabels, further details see page 16.

User mode/administrator mode

Snom phones can be operated in administrator or user mode. In administrator mode, all settings are accessible and can be modified; in user mode, a number of settings are not accessible. The factory default is user mode.

For the D8xx series phones, user and administrator mode on the phone and on the web interface are set independently of each other. If the phone is running in user mode, you will still be able to open the phone manager in admin mode if you have the admin name and password.

When the phone is running in user mode, the administrator password is required to switch to administrator mode. If your phone is administered centrally, user mode may be the rule. Please check with your network administrator or IP provider.

When the web interface is opened for the first time upon initialization or after a reboot, you will see the Phone Manager. See "Initialization" on page 12 for further information.

User names and passwords

We urge you to set an administrator PIN and an HTTP password to protect your phone. There are no default passwords. **Please note:**

- **Administrator PIN.** If you do not set an administrator password, an unauthorized third party with access to the phone could set an administrator password unknown to you. In such a case, you would no longer be able to switch from user mode to administrator mode to regain access to all phone settings.
- **HTTP user name and HTTP password.** If you do not set these, you make it easier for experienced hackers to break into your system.

Note: Be sure to write down your admin password and your HTTP user name and password and store them in a secure place.

Without the administrator PIN, you will not be able to return the phone and the web interface from user mode to administrator mode; many settings will be inaccessible. Without HTTP user name and password you cannot open the phone's web interface.

You can set and change the data in the phone manager at any time.

1. Press the function key underneath **Menu** on the phone's display and select **Help** to look up the phone's IP address.
2. Enter the IP address into the browser's address bar on a computer in the same network as the phone.
3. If user or admin name and password have been set, enter them and click **Authenticate**; if not, just click **Authenticate**.

Setting HTTP user name and password

1. Click **Network** in the left lateral menu.
2. Click **Advanced**.
3. Scroll down to **HTTP Server** and set the **User** name and **Password** in the respective text fields.
 - User name. Valid values are character strings of letters and numerals, e.g. john or jh24.
 - Password. Text string.
4. Select the **authentication scheme** to be used by clicking **on** or **off** on the toggle switch.
 - Basic scheme: off.
 - Digest Authentication Scheme: on. This is the more secure option and the default setting.

Setting user/admin mode on the phone

1. In the **Main menu**, select System.
2. If the phone is running user mode (i.e., administrator access is **off**), press **</>** to change the setting to **on**. You will be prompted to enter the administrator access PIN. Enter the PIN and press **Confirm**.

If the phone is running admin mode (i.e., administrator access is **on**), press **</>** to change the setting to **off**.
3. Press **Back** to return to the main menu.

Settings

Phone menu

Settings can be adjusted on the phone and in the Phone Manager, the phone's web interface.

1. On the idle screen, press **MENU** to open the main menu on the display (Fig. 1).

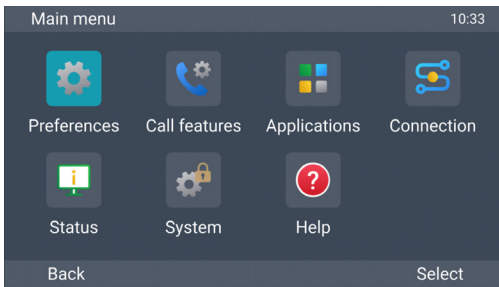


Fig. 1

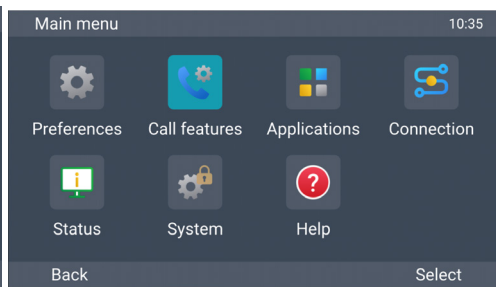



Fig. 2

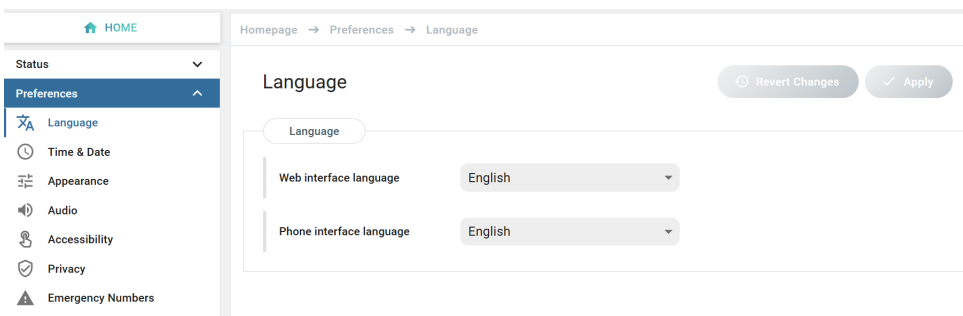
2. Select a menu with the navigation keys \wedge \vee \langle \rangle (Fig. 2).
3. Press **Select** or  to open the highlighted menu.

The phone's web interface

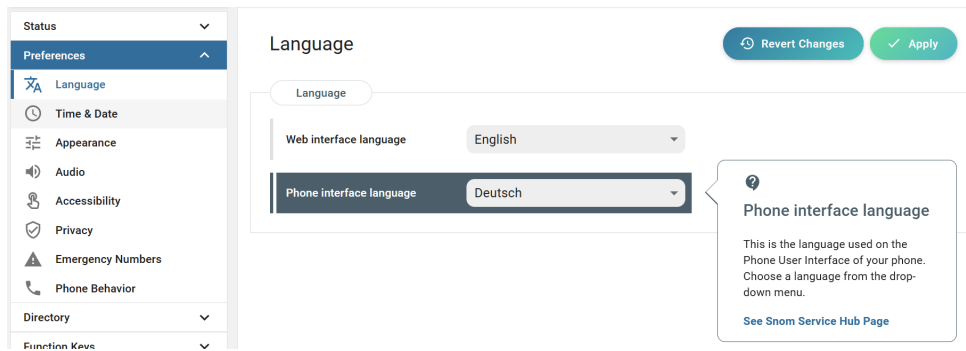
How the web interface works

Available items in the vertical menu on the left side of the window depend on whether the phone is running in user or administrator mode.

1. Click a menu item to show the submenus.
2. Click a submenu to open its content in the body.



3. If you change a setting, the **Apply** and **Revert Changes** buttons become available. Click **Apply** to save your change(s) before opening another submenu.



Note: Changes will be lost if you open another page or if you close the web interface without first clicking **Apply**.

When you click a setting, a pop-up window with a question mark at the top appears. It contains information on the setting and a link to Snom's Service Hub where you may find more information about it,

Web settings overriding manual phone settings

In some cases settings activated on the web interface override manual settings on the phone. If a setting you have made on the phone does not appear to take effect, look for a conflicting setting on the web interface or check with your administrator.

Directory

The directory is the built-in directory of the phone. It can hold up to 50,000 entries. Entries can be added and edited on the phone's web interface.

Any changes you make on the web interface will not take effect until you click on "Save" or on "Apply" and "Save", depending on your firmware version. Changes will be lost if you open another page of the web interface without first clicking on "Apply"/"Save".

Ringtones

The phone has 10 built-in ringtones that can be assigned to identities, group types, and contact types. It is also possible to download a custom melody.

Using the phone

This section describes the functions of the phone with the factory default settings. If your phone was installed and/or set up by someone else, the default settings may have been changed. Please check with that person or company if the phone does not react as described here.

The caller information displayed on the screen is controlled by a setting on the phone's web interface. The default setting is "Name + Number". To change the setting, click **Preferences** in the left lateral menu, then **Appearance**. In the **Interface elements** section, select an option from the pull-down menu **Number Display Style**. The other options are Full contact, name, number, and number + name.

Making calls

Selecting identity for current outgoing call


◇ My Phone D8xx

12:24

Your current outgoing identity is shown on the left side of the status line. To select another configured identity, press **^** / **v** on the navigation key.

Using different audio devices

Handset

- Pick up the handset, enter the phone number, and press  OR
- enter the phone number and pick up the handset.

Headset

- Enter the phone number and press .

Speakerphone

- Enter the phone number and press **Dial** or .

Accepting calls

Using different audio devices


Handset: Pick up the handset.

Headset: Press .

Speakerphone: Press **Answer** or  or .

Automatically accepting calls

The default is **off**. Turning the function on for an identity (admin mode only): on the phone's web interface click **Identities**, select the identity, and click **SIP**. Scroll down to **Auto answer** and click **on** on the on/off toggle switch. With this setting, your phone will automatically accept incoming calls when it is idle.


Calls will be accepted on speakerphone, and you will be alerted acoustically by a single long beep. Press the headset key  if you want calls to go to the headset.

To turn off the acoustic alert, click **Preferences**, then **Audio**. Scroll down to the **Auto Answer** section and click the on/off toggle of **Auto Answer Indication** to **off**.

Active calls

Hold


One call on hold

Press Hold or  to put the ongoing call on hold. Held calls are indicated as follows:

- By the text on the display.
- By the slowly blinking line key.
- By the slowly blinking call indication LED.
- By the double beep when you put a call on hold.

You can now:

- transfer the held call blindly or with prior announcement - see "Transferring calls" on page 25.
- receive and make calls and put other calls on hold.

Pick up the held call by pressing its line key or by pressing  again. If the other party hangs up while on hold, the call is terminated on your phone as well, and the LED indicators are turned off.

Holding multiple calls

The status lines at the top of the display indicate the number of calls on your phone.



Two calls, one active, one on hold.

Two calls, both on hold.

Press **^** / **v** to scroll through the calls. Your input on the phone's keys will affect the call on the display. It can be resumed, terminated, or selected for conference setup.

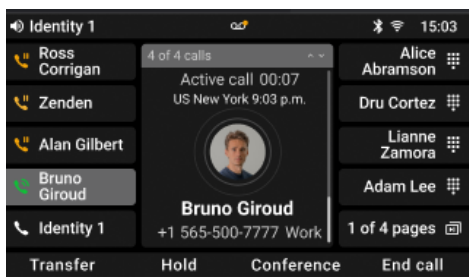
Conference

The maximum number of participants in phone-based conferences is five (you and four others).

Note: This section refers to phone-based conferences. For the number of participants in server-based conferences and how to set up and join them, please check with your network administrator or your VoIP provider.

Initiating a conference

1. With a call on the line, press **Conference**. The call is put on hold.
2. Dial the number and announce the conference
3. Press **Join**.
4. Press **End call** to terminate the conference.



- If you have a SmartLabel key set up to speed dial a number, you can blindly add that party to the conference.
 1. With a call on the line, press **Conference**. The call is put on hold.
 2. Press **Blind conf**.
 3. Press the SmartLabel key to start the conference.
- Putting the conference on hold: press **Hold**. Press **Resume** to restart the conference.
- Press **Details** to open the interactive screen. Use **^** / **v** on the navigation key to select individual participants or the conference. Your input on the phone's keys will affect the highlighted participant or the entire conference.
 - You can mute or remove the highlighted individual participant.
 - You can end or split the highlighted conference.

- Call waiting while in a conference.
 - Press Reject (possible only if maximum number of participants is not exceeded)
 - Press Answer. The conference will be put on hold. Press Add to add the caller to the conference.

Transferring calls

You can transfer connected calls as well as calls ringing on your phone.

- When you have a call on the line, there are two ways to transfer it to a third party:
 - Announcing the call to the third party first, to make sure the call is welcome and will be accepted: attended transfer.
 - Transferring the call unannounced: **blind transfer**. There will be no feedback on whether the third party is available and/or picking up the call.
- When a call is ringing on your phone, you can transfer it to a third party without answering it first (blind transfer only).

Attended transfer

- With a single call on the phone.
 1. Press **Transfer**.
 2. On the **Xfer setup** screen, enter the number manually or select a number from the phone's call lists.
 3. Press **Dial**, putting the active call on hold.
 4. If the third party agrees to accept the call, press **Transfer**. The call is transferred.
 5. If the third does not want to take the call, press **Cancel**, then **Resume** to resume the held call.
- With more than one call. The active call will be transferred. If the active call is not the one you want to transfer, put it on hold, select the other call with **^** / **v** and press **Transfer**.
 1. On the **Xfer setup** screen, enter the number or select a call from the phone's call list.
 2. Press **Dial**.
 3. If the third party agrees to accept the call, press **Transfer**. The call is transferred.
 4. The remaining call on hold or the first of the remaining calls on hold will then appear on-screen.

Blind transfer

- **Blind transfer of active call**
 1. With a call on the line, press **Transfer**. The **Xfer setup** screen appears.
 2. Press **Blind xfer**.
 3. Enter the number or select a call from the phone's call list.
 4. Press **Blind xfer**. The display shows the message **Call ended** while the call is ringing on the third party's phone.

- **Blind transfer of call waiting**



1. If you are in a call and want to transfer a call waiting, press **Forward** with the incoming call on the display.
2. On the **Forward call** screen, enter the number or select a call from the phone's call list.
3. Press **Forward**. The display shows the message **Call terminated** while the call is ringing on the third party's phone.

Note: Your active call remains active while you are transferring the ringing call.

- **Blind transfer of ringing call**


1. With a call ringing, press **Forward**.
2. On the **Forward call** screen, enter the number manually or select a number from the phone's call list.
3. Press **Forward**. The display shows the message **Call terminated** while the call is ringing on the third party's phone.

Terminating calls

- When using the handset: place the handset in the cradle or press **End call** or .
- When using speakerphone or a headset: press **End call** or .

Call lists

Four call lists of missed, dialed, received, and all calls are stored on the phone. They contain the number, name (if available), and the time (if the same day) or date of the calls. If the memory allotted to storing the call lists is full, the oldest ones will be overwritten. You can view all calls in the list of all calls, sorted by date and time.

1. Press **Menu**.
2. Select **Applications**.
3. Select **Call history**.
4. Select a list with \wedge / \vee and enter the list with \blacktriangleright or .
5. Select a call with \wedge / \vee .
 - You can dial or delete the call or
 - press More and then Edit dial to edit the number before dialing or add it to your local contacts.

Software update

Manual update

1. Go to <https://service.snom.com/display/wiki/Firmware+Update+Center>, and find the latest firmware version for your phone.
2. Please read the instructions and release notes before downloading the firmware.
3. Right-click the download link in the **Firmware files** table.
4. Open the phone manager and click **Maintenance**.
5. Click **Software update**.
6. Enter the phone number in the text field under **Firmware**.
7. Click **Load**.
8. **DO NOT DISCONNECT THE POWER WHILE THE PHONE IS REBOOTING!**

Auto provisioning

For more information, see our web page <https://service.snom.com/display/wiki/Auto+Provisioning>.

1. Open the phone manager and click **Maintenance**.
2. Click **Provision**.
3. Click the individual settings for their details.
4. When done, click **Apply**.

SRAPS

If you are using Snom's Secure Redirection and Provisioning Service (SRAPS), you can log in to your account via the link in the right lateral of the phone's **Home** page. For more information on SRAPS, see <https://service.snom.com/display/wiki/SRAPS>.

Troubleshooting

Contacting Snom Support

If you are not a Snom partner, please contact your seller or consult our troubleshooting knowledge base at <https://service.snom.com/display/wiki/Troubleshooting+How-to> first. You may find the answer to your question or problem in one of the topics there.

Submitting a ticket

If you are a Snom partner, log in to the Snom Partner Portal at <https://sraps.snom.com/partner> and open a ticket.

Submitting system and settings information

System information

1. Open the phone's web interface > **System Information** page.
2. Copy the text under System Information into the email, if Support has asked you to contact them by email.

Settings information

1. Open the phone's web interface > **Settings** page.
2. Copy the settings list into the email, if Support has asked you to contact them by email.

Traces

Snom Support may ask you to submit a SIP Trace and/or a PCAP Trace to help them analyze your problem.

Performing a SIP Trace

1. Open the Phone Manager and click **Maintenance**.
2. Click **Diagnostic**.
3. Click the **SIP Trace** tab.
4. Click **Clear** to clear the page.
5. Recreate the error to be documented in the trace.
6. Click **Copy**.
7. Submit to Support in whatever form they requested you to use.

Performing a PCAP Trace

1. Open the Phone Manager and click **Maintenance**.
2. Click **Diagnostic**.
3. Click the **PCAP Trace** tab.
4. Click **Start** to start recording network traffic.
5. Click **Stop** to end recording
6. Click **Save** to save the file to your **Download** folder.
7. Submit the file to Support in whatever way they requested you to use.

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