

Yealink T19P E2, T41P, T42G, T46G, T48G, T41S, T42S, T46S, T48S, T52S, T54S, T53, T53W, T54W, T57W manual

A. General information

1. Introduction

Welcome!



This manual helps you to optimize the usage of the IP telephone in combination with the PBX. Please use this manual at initial operation. Some features differ from the features described in the manufacturer's documentation.

The following pages describe the Yealink T19P E2, T41P, T42G, T46G, T48G, T41S, T42S, T46S, T48S, T52S, T54S, T53, T53W, T54W, T57W system telephones.

		
Yealink T19P E2	Yealink T41P Yealink T41S	Yealink T42G Yealink T42S
		
Yealink T46G Yealink T46S	Yealink T48G Yealink T48S	Yealink T52S

		
Yealink T54S	Yealink T53	Yealink T53W
		
Yealink T54W	Yealink T57W	Yealink EXP40
		
Yealink EXP50	Yealink EHS36	

2. Used symbols

Type	Icon	Description
Notice		Important information and notices that you have to pay attention to.
Hint		Useful hints that provide additional information.
Action	-	is marked with a dash
Result of an action	⇒	is marked with an arrow
List	•	is marked with a bullet point

B. Security

1. Notes

The device was produced in accordance with the most common security standards. Nevertheless, note the safety guidelines in order to use the device securely. Please note the following safety guidelines to lower risk of burning, electric shocks, and similar risks.

General guidelines

1. Keep the device dry and clean at transport, storage, and usage.
2. Avoid collisions and drops of the device at transport, storage, and usage.
3. Do not open the device case and do not try to repair the device on your own.

Guidelines for usage and operation

1. Check whether the power supply voltage is in accordance with the device's voltage.
2. Pay attention to dry hands before using a cable.
3. Do not spill liquids on the device.

Guidelines for cleaning

1. Disconnect and unplug the device from the power supply before cleaning.
2. Use a soft, dry, antistatic cloth to clean the device.

2. Encryption

You have the option of voice encrypting (SRTP) your telephone calls. You can activate this function for your customer account via the administration portal at any time.



Activation of this function is subject to fees.

- Activate the function on the administration portal.
- Restart all telephones. Restarting may take a few minutes. During a conversation a lock icon on the telephone display indicates encryption is activated.

⇒The active call is now encrypted.

C. Initial Operation

1. Requirements & Information



In order to use this IP telephone with your telephone system you will need a sound broadband connection.



If you only have a single circuit plug available (e. g. in home offices) but would like to access the Internet with your laptop while using the phone, connect the laptop to the circuit plug on the phone.

2. Adding an extension



All telephones you receive are preconfigured and connected to the telephone system.



Find further information on how to install an extension in the administration [portal manual](#).

D. Operation

1. Basic Functions

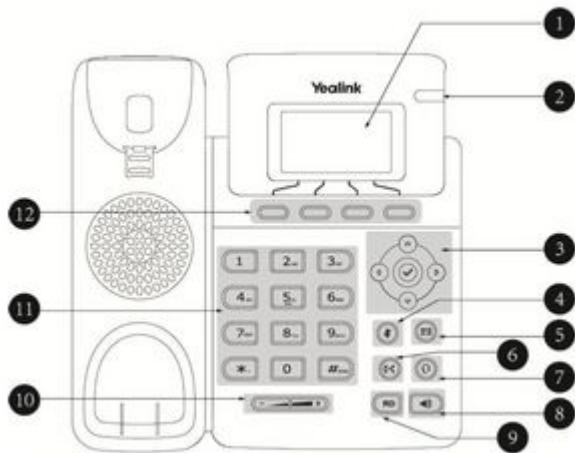
1.1 Overview of Keys

Below you will see an overview over all keys of the respective models.

Yealink T19P E2

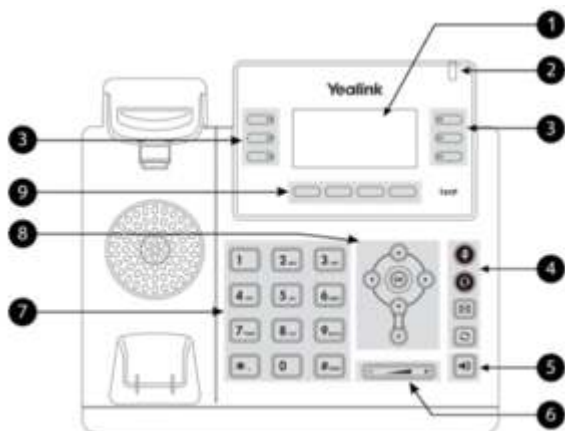
Position	Description
1	LCD display
2	LED call indicator
3	Navigation keys
4	Mute key
5	Voice mail key
6	Transfer key
7	Headset key
8	Speaker key
9	Redialing key
10	Volume keys

11	Alphanumerical key pad
12	Soft keys



Yealink T41P, T42G, T41S, T42S

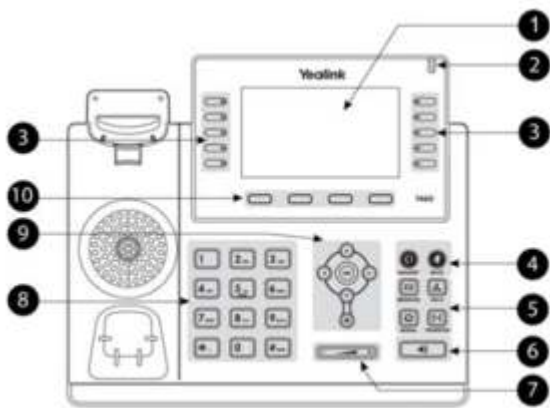
Position	Description
1	2,7" display
2	LED call indicator
3	Freely assignable function keys
4	Headset and mute key, keys for voice mail and redialing
5	Speaker key
6	Volume key
7	Alphanumerical key pad
8	Navigation keys
9	Soft key



Yealink T46G, T46S

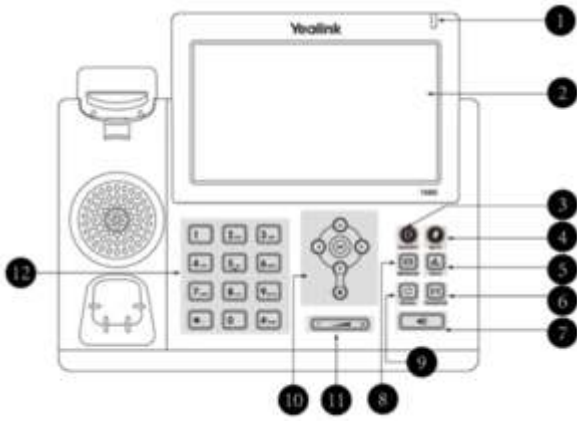
Position	Description
1	4,3" Display

2	LED call indicator
3	Freely assignable function keys
4	Headset and mute key
5	Keys for voice mail, hold, redialing and transfer
6	Speaker key
7	Volume key
8	Alphanumeric key pad
9	Navigation key
10	Soft key



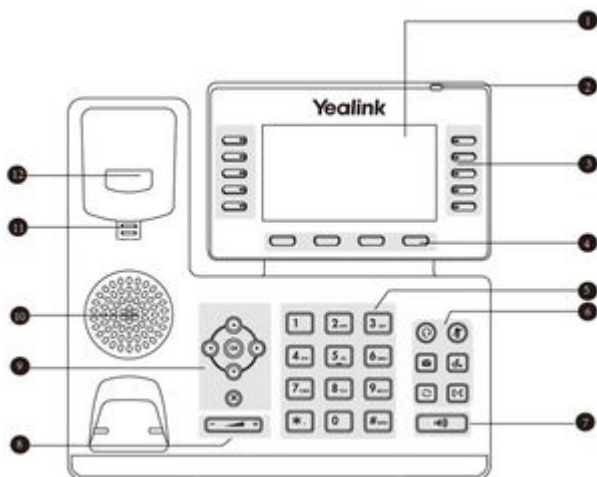
Yealink T48G, T48S

Position	Description
1	LED call indicator
2	7" touchscreen
3	Headset key
4	Mute key
5	Hold key
6	Transfer key
7	Speaker key
8	Voice mail key
9	Redialing key
10	Navigation keys
11	Volume key
12	Alphanumeric key pad



Yealink T52S, T54S, T53, T53W, T54W

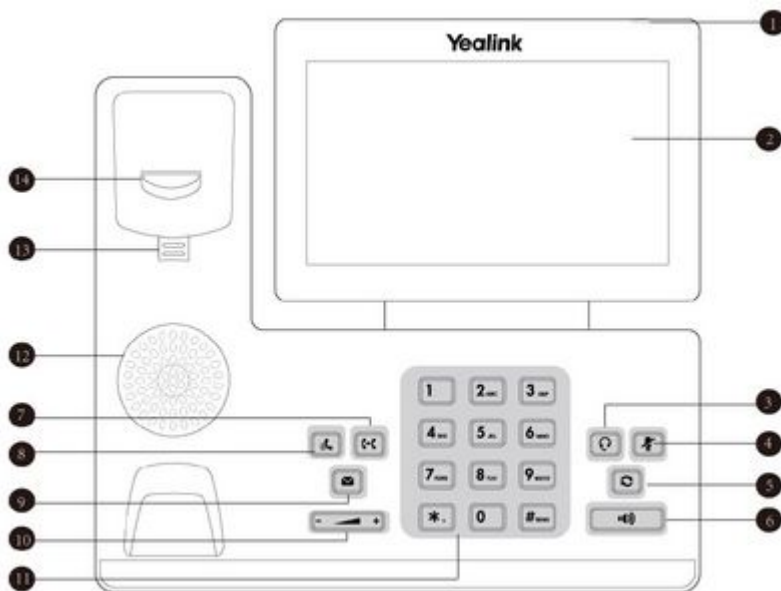
Position	Description
1	LCD display
2	LED call indicator
3	Freely assignable function keys
4	Soft keys
5	Alphanumerical key pad
6	Headset and mute key, keys for voicemail, redialing, hold and call forwarding
7	Speaker key
8	Volume key
9	Navigation keys
10	Speaker
11	Reversible tab
12	Hookswitch



Yealink T57W

Position	Description
1	LED call indicator
2	Touch screen

3	Headset key
4	Mute key
5	Redial key
6	Speakerphone key
7	Transfer key
8	Hold key
9	Voicemail key
10	Volume key
11	Alphanumerical key pad
12	Speaker
13	Reversible tab
14	Hookswitch
15	(on the back side) USB2.0 port















1.2. Keys in Detail

Key	Description
	You can use the navigation keys to steer through the menu. On the initial page: Down: Menu Up: History Left: Telephone settings Right: Directory search
	Adjusts the speaker's and telephone's volume
	Mutes the microphone
	Headset
	Calls voice mail

	Redialing
	Speaker
	Transfer*
	Hold Conversation
* not available for Yealink T41P and T42G	

Yealink T46G, T48G display icons



Keys	Description	Keys	Description
	No network access		Redirect call
	Logged in successfully		Hold call
	Not logged in		Mute microphone
	Logging in		Silent (ringtone)
	Message		Key pad lock
	Do not disturb (DND)		Full mailbox

1.3. Outgoing Call




Entering the extension number is sufficient when performing an internal call. If you choose to perform an external call, you have dial the exchange identification code (e.g. "9" for UK) prior to the external number.

Receiver



- Pick up the receiver.
- Enter the telephone number.
- Confirm your call by pressing  or the **Send** soft key.
- End the conversation by pressing the soft key **End Call**,  or hanging up.

Alternative:




- Enter the telephone number.
- Pick up the receiver.
- End the conversation by pressing the End Call soft key,  or hanging up.

Speaker

Press the speaker key to activate the speaker.




- Dial the telephone number.
- Confirm your call by pressing  or the **Send** soft key.
- End the conversation by pressing the soft key **End Call** or .

Headset

- Activate the headset by pressing the headset key .
- Dial the telephone number.
- Confirm your call by pressing  or the **Send** soft key.
- End the conversation by pressing the soft key **End Call** or .

1.4. Incoming Call

To answer an incoming call, you have the following options:


- Pick up the receiver or press the speaker key  to answer an incoming call. Press the headset key  in order to answer with your headset.
- End the conversation by hanging up, pressing the **End Call** soft key, pressing , or the headset key  (when using the headset).

1.5. Call Waiting, Toggle & Hold a Call

Call Waiting

The display of the telephone sends out a double knocking sound as soon as a second call comes in during an active conversation.



You have the following options:

- You can take the incoming call by pressing the **Answer** soft key and set the active conversation on **hold**.
- You can reject the incoming call by pressing the soft key **Reject**.
- You can transfer the incoming call without taking it directly. Press the **Transfer** soft key or the transfer key *.



Incoming calls can only knock, if the the Call waiting indication (CWI) for the extension is activated. To enable CWI for your phone, select Call Waiting Indication in the menu under Call Settings.

Hold a Call

- In order to hold an active call, press the **Hold** key or push the Hold button *.
- To take an incoming call during an active conversation, press the **Answer** soft key. To reject an incoming call, press the **Reject** soft key. You can transfer incoming calls directly by pressing the transfer button * or the **Transfer** soft key.

⇒The active conversation is now on hold.



Currently, it is not possible to access the central directory during a call on hold.

Toggle




- To toggle between two callers, press the soft key **Swap**. You can further toggle between the conversations using the navigation keys and confirm your choice by pressing the **Resume** soft key.

⇒The active conversation is put on hold and the caller hears a waiting music.




* available only for T46G and T48G

1.6. Call Transfer

Attended Transfer

- Accept the incoming call by pressing the soft key **Answer**.
- After taking the call, press the **Transfer** soft key or *.
- Now enter the extension number.
- Press .
- Announce the incoming call.
- To transfer the call, press the **Transfer** soft key or *, then you can hang up.




Unattended Transfer

- Press the Transfer soft key or * during an active call.
- Enter the extension number.
- Press .
- Press the **Transfer** soft key or *.
- Hang up.





When you want to perform a transfer during an active conversation follow the next steps:


- Answer the call by pressing the **Answer** soft key.

- Press the **Transfer** soft key or the Transfer button *.
- Choose the line you want to transfer to.
- Confirm with for  an attended transfer. Confirm with the Transfer soft key or the **Transfer** button * for an unattended transfer.

Blind Transfer

- Do not take the incoming call.
- Press the soft key **Transfer** or *.
- Enter the number.
- Press the **Transfer / Send** soft key or *.
- Hang up to finalise the transfer.



When transferring a call that is on hold, you have the option to perform an unattended transfer by pressing the soft key **Transfer**, entering the number and press **Transfer** again. Perform an attended transfer by pressing the soft key **Transfer**, entering the number and pressing the  button.

* Only for T46G and T48G.

1.7. Call Forwarding

You can configure various call forwarding scenarios. For this purpose you can use the call forwarding profiles.

Under the telephone menu you can only edit the default profile (catch all / always) to be found under the call forwarding profiles. You can edit the remaining call forwarding profiles via Ncontrol or via the administration portal. For more information, refer to the [administration portal manual](#) and the [Ncontrol manual](#).

The following call forwarding options are available. You can activate or deactivate call forwardings via the telephone menu's call settings.

Permanent call forwarding (always)

All incoming calls will be forwarded directly to the predefined telephone number.

Forward if busy (busy)

New calls will be forwarded immediately, when coming in during an active call. This call forwarding option functions only, if the **Call Waiting** function is deactivated.

Delayed call forwarding (no answer)

Call forwarding condition: You do not answer the incoming call within a defined time period (timeout). The timeout can be set to 5, 10, 15 or 20 seconds. Where should the incoming call be forwarded after the specified time has elapsed? The caller receives a call waiting signal and is then forwarded to the defined destination.

If unavailable (not registered)

The option functions only if the end device is not registered to the telephone system:

- When the Internet connection fails or there is no LAN connection.

and

- If “call forwarding ...if unavailable” is programmed for a direct extension (e.g. extension 123 - John Doe) and a caller calls the direct dial number for the extension directly, call forwarding applies. If the extension is a member of a queue or a group and the queue or group receives a call, call forwarding for the individual extension no longer applies! In general, the destination should always be an available destination number. I.e., make sure that no voicemail or announcement comes on.



Always depose an available telephone number as target. Ensure that no voice mail or other announcement picks up automatically.



When disconnecting the connection between the end device and the telephone system, it can take up to 60 seconds for the call forwarding to work. Once the end device is reconnected to the telephone system, it can take up to 60 seconds for it to register.





Call forwardings can alternatively be activated through * codes:

*10	Activation of the call forwarding profile
*11 + destination	Permanent call forwarding to telephone number
**11	Cancel permanent call forwarding
*12 + destination	If no answer after a specific time, delayed call forward to telephone number
**12	Cancel delayed call forwarding
*13 + destination	If busy, forward to telephone number
**13	Cancel call forwarding if busy
*14 + destination	Call forwarding if unavailable
**14	Cancel call forwarding if unavailable

1.8. Three-Way Calls

Follow these steps to start a conference call:

- Call the first participant.
- Press the **Conference** soft key.
- Dial the second participant's number.
- Press , , the soft key **Send** or **Conference**.
- As soon as the second party answers the call, press the **Conference** soft key once again to start the conversation with both participants.



You can split ongoing conferences to separate calls with the soft key **Split**. Pressing the soft key **Manage** allows you to mute or remove participants.




A conference call with more than three participants is easily established via the administration portal: Please refer to the administration portal manual for more information.

1.9. Do not Disturb (DND)

The Do Not Disturb (DND) function rejects incoming calls automatically. (Incoming calls will be shown as "missed calls").

To activate the DND-mode on your telephone:

- Push the **DND** soft key will enable the DND mode.

Your telephone is in DND mode as soon as the display shows either **DND** or . If the DND mode is activated, the caller will be IMMEDIATELY transferred to the target of the call forwarding "after time".

1.10 Callback

The Completion of Calls on No Reply (CCNR) creates a callback in case a person cannot be reached (e.g. the person is not on its desk or busy) at the moment.



To use this function, the CCNR function has to be enabled in the administration portal and in the phone extension. Click on the CCNR check box under Administration / Profile to activate the function.

Activate a callback

A caller generates automatic connection establishment within the private branch exchange (PBX) to a previously busy party (only internally). If the the other party cannot be reached, the caller can use the callback function.

- In order to activate the function, insert ***5** into your key pad. An acoustic confirmation will finalize the activation.
- As soon as the other party is available again, your end device receives a callback generated by the PBX. As soon as you answer the callback, the PBX sends out a call to the number you tried to reach initially.

Erase Callbacks

- If the callback is no longer needed, all call backs can be erased by entering the ****5** code into the key pad. An acoustic confirmation finalises the erase.


1.11. Voicemail

Initial Set-up

When accessing the voice mail system for the first time, set up your personal voice mail.

- Press the message key on the telephone or dial the extension assigned by the administration portal to access the voice mail menu.
- Then select **"0 Mailbox Options"** to set up your voice mail box.
- Now press **"1"** to record a message in the event you are unavailable.
- Now record your message and press **"#"** to end the recording.
- Press **"1"** to accept the recording, **"2"** to replay the recording, and **"3"** to record a second time.

Access the voice mail

- Press the Message key  or dial ***791** to access the voice mail.
- Enter your extension you saved in the administration portal and your voice mail pin to access the voice mail options.



You can install your personal voice mail announcement for every extension via the administration portal. These files have to be in .mp3 or .wav format.



Send voice mail messages to your email account via the administration portal.



For more detailed information, refer to the voice mail leaflet.

1.12. "Hot Desking"

The basic function of "Hot desking" allows cancelling the registration of existing users and registering new users to your end device. This function is useful when employees frequently change their work station but don't take along their end devices. After completing registration, your

configuration is automatically copied to the new telephone.

Step 1: Cancelling the registration of the current extension

Menu -> Phone settings -> Logoff -> Select

Step 2: Registering the new extension

Login -> Enter the extension number -> Submit -> Enter voice mail PIN -> Submit



Login in and off may take a few moments.

2. Advanced telephone functions

2.1. Overview



You can use various features of the telephone system via the end device as well as via Ncontrol or the administration portal (also refer to the administration portal manual).

After pressing the Menu key you have the following options:

Call Settings

- **Call waiting indication:** define whether this function should be activated.
- (optional, depending on settings on the administration portal) **Timeout:** set the ringing time.
- (optional, depending on settings on the administration portal) **Intercom:** the intercom function enables speaking directly to a linked extension through the system, without dial tone and ring tone.
- **Caller ID block:** set your entire number to be shown to the party being called, the switchboard number to be displayed or all caller ID information to be blocked.
- **Call forwarding:** activate the function Call forwarding
- **Parallel call:** configure another telephone or your mobile phone to ring in addition to your telephone when a call comes in. You can then answer the call with one of the two telephones.

Call forwarding: profiles

Here you can select your preconfigured call forwarding profiles.

For details, please refer to the Ncontrol manual.

You can edit the default profile directly via your device.

For details, please click [here](#).

Telephone settings

- Automatic redialling
- Suggests number (if necessary, remove function)
- Ring tone
- Define as primary device
- Logoff

Queues

Queues can be enabled or disabled; for set-up see administration portal manual)

2.2. Function Keys & Codes



You can alter the configuration of the freely assignable function keys via ncontrol.nfon.net under Configurations - Function Keys. Alteration is also possible via the administration portal. Long names will be displayed in abbreviation.

Yealink T52S, T54S

You can save up to 12 (T52S) or 16 function keys (T54S) on three levels on your telephone.

Additional function keys can be configured via the EXP50 expansion module.

Yealink T41P, T42G, T46G

You can save up to 15 or 27 function keys (T46G) on three levels on your telephone.

Yealink T48G

You can alter and save up to 29 functions on your display. All keys will be displayed at once when pressing the DSS key on your display. Further freely assignable function keys can be configured via the extension module EXP40 (only available for T46G and T48G).



Extension / telephone number

You can add any extension or telephone number to the busy lamp field.

- You can start a call by pressing the respective busy lamp key. If an internal extension is programmed, you can see whether that extension is currently busy:
 - If the LED next to the key flashes, the party receives a call.
 - If the LED is consistently lit, the party has answered a call and is currently busy.
 - If the LED next to the respective key flashes, you can take the call by pressing the respective key next to the flashing LED.

Intercom

You can add any extension in the PBX system and then use this function key to directly communicate with this extension through the intercom. The other party must have the intercom activated on their device. Intercom refers to a conventional intercom system (similar to walkie-talkies) directly connecting you to the other party's speaker by pressing the assigned function key.

Additional functions via * codes

Entering various codes (as listed on the following page) allows you to additionally program functions such as call transfer to the keys. To do so, simply enter the code with the desired number in the entry field.

Control codes allow direct access to the telephone system's functions. The following codes apply:

Code	Description
**##	Restart devices, only for snom devices!
#+n	Use outside line "n" to call the telephone number ("n" replaces the "0" otherwise required to access an outside line)
*1	Start and end voice recording (if this function is enabled for the extension)
*10+profile number	Activation of the call forwarding profile
*11+TN	Permanent call forwarding to telephone number (TN)
**11	Cancel permanent call forwarding


*12+TN	If not available, forward to telephone number (TN)
**12	Cancel call forwarding if no answer
*13+TN	If busy, forward call to telephone number (TN)
**13	Cancel call forwarding if busy
*14+TN	If not registered, forward to telephone number (TN)
**14	Cancel forward if unregistered
*2+Speed dial	Directly dial the extension/telephone number via speed dial
*3	Pick up the last call ringing in the pick-up groupe
*3+EXT	Pick up call coming in to the extension (EXT)
*490	Activate call waiting
**490	Deactivate call waiting
*5	If busy, automatic callback activated
**5	If busy, automatic callback deactivated
*55	Specify primary device within a premium extension (Premium Package)
*72+n1111	Call skill service n1111
*73+n1111	Call eFax additional costs will occur
*74+n1111	Call time control n1111
*75+n1111	Call group n1111
*76+n1111	Call announcement n1111
*77+n1111	Call queue n1111
*78+n1111	Call conference service n1111
*791	*791 Access voice mail for this extension with password *791158 Access voice mail for extension 158, with the password for 158! *11*791 Transfer your calls to your voice mail *11*791158 Transfer your calls to the voice mail of the extension 158
*792	Access voice mail entering extension number, e.g. for remote enquiry
*80	Activate intercom
**80	Deactivate intercom
*80+NST	Intercom to extension (EXT)
*84+n1111	Become member of the queue with service ID n1111
**84+n1111	Leave queue with service ID n1111
*85	Echo extension
*86	Block caller ID (CLIR)
*860	Show main number as telephone number
**86	Show telephone number incl.direct dial (CLIP)
*87	Subscribe to Skill-set
**87	Unsubscribe to Skill-set
*9+Project Number	Define a project number for outbound calls. (Note: The project number is only valid for the very next outbound call)
Function codes for conference rooms during an active conference.	
**	Help
*2	Activate or deactivate mute.
*3	Express your needs.
*5	Activate or deactivate mute of all participant.

*6	Lock the conference.
1) nnnn is the four digit Service ID with leading zeros (0). For example, in a callgroup, IVR, eFax, etc. This means: is the Service ID "1", "0001" must be entered when entering the function code.	

3. IP Address

3.1. How Do I Find the Telephone's IP Address?







You need your phone's IP address for example for configuration of the CTI client.

- Press  in the idle screen to have your IP address, MAC address and firmware displayed.
- The IP address of the T57W can be found by pressing "MUTE" and then "Status".

D. Where Do you find help regarding your telephone system?

You can use various sources for help concerning your issues. Please use them in the order suggested here:

NFON AG	Machtlfinger Str. 7 81379 München Tel.: + 49 89 45 3000 www.nfon.com
nfon.com	At nfon.com under Service you can find an overview of all documentation, downloads, blogs and portals as well as help pages and further information. For any feedback to documentation, please contact redaktion(at)nfon(dot)com
portal.nfon.com	The home page of the service site contains various links to manuals, brief instructions, software downloads and templates. Please read these manuals thoroughly. They help you get the most out of your telephone system.
support.nfon.com	The NFON AG support website contains detailed FAQs with valuable information pertaining to your telephone system. You can always check the status of your support inquiries and respond to further inquiries.

<p>Support hotline for existing customers</p>	<p>If neither the manuals nor the FAQs or other contents of the support website provide a solution, you can open a support ticket by phone. Our support staff is available Monday to Friday from 8:00 am to 6:00 pm at +44 20 3740 6740 for UK and +49 800 63 66 555 for Germany.</p> <p>If neither the manuals nor the FAQs or other contents of the support website provide a solution, you can open a support ticket by phone. Our support staff is available Monday to Friday from 8:00 am to 6:00 pm at +44 20 3740 6740 for UK and +49 800 63 66 555 for Germany.</p> <p>Please include at least the following items with your inquiry:</p> <ul style="list-style-type: none"> • Your customer number, your name and a telephone number • A full description of the malfunction, error or question about operation • Specify the affected system component (e.g. for end devices the MAC address) • Specify when this incident occurred and the frequency • Please also specify which other support sources you have used thus far <p>Outside our business hours, a central technical support hotline takes your request, opens the respective ticket and in emergency cases, alerts the on-call service.</p> <p>Operating and set-up support may be subject to a fee of up to 120.- € per hour depending on the respective contract terms. In this connection, services are billed by the minute.</p>
<p>Support hotline for test customers</p>	<p>Test customers are routed to a service hotline tailored to their specific needs. Our staff for this hotline is available Monday to Friday from 9 am to 5 pm at +44 20 3740 6740 for UK and +49 89 45 300 553 for Germany. Unfortunately, we are unable to provide support for test customers outside of these business hours.</p>
	<p>Support for German customers: portal.nfon.com ~ support.nfon.com ~ +49 800 63 66 555</p>
	<p>Support for customers in the UK: portal.nfon.com ~ support.nfon.com ~ Hotline +44 20 3740 6740</p>
	<p>Support for customers in Austria: portal.nfon.com ~ support.nfon.com ~ Hotline +43 2742 7 55 66-555</p>
	<p>Support for customers in France: portal.nfon.com ~ support.nfon.com ~ Hotline +33 01 88 45 38 00</p>
	<p>Support for customers in Italy: portal.nfon.com ~ support.nfon.com ~ Hotline +39 02 99749 920</p>
	<p>Support for customers in the Netherlands: portal.nfon.com ~ support.nfon.com ~ Hotline +31 88 938 2444</p>