

Operation of tiptel IP 284/286 at tiptel.com and tiptel.comPact telephone systems

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1. Introduction

With telephone systems tiptel.comPact 42/82 IP 8 and tiptel.com 410/411/810/811 with tiptel VoIP-CP 4/8 or tiptel VoIP-CP 8/16 module any IP telephones with SIP standard may be used as extensions.

IP telephones tiptel IP 284 or tiptel IP 286, however, can even be used as system telephones. Those telephones can be equipped with up to two key modules type tiptel KM 38 or tiptel KD 39.

This supplementary manual is about the set-up of these telephones as system telephones.

2. Update of the telephone system

The firmware version must be 7.3.3 or higher. You can check the version in the web configuration interface under "Settings" in the upper navigation and then in the left hand navigation "Advanced mode" -> "Service". Is it below 7.3.3 please carry out an update.

3. Preparation of the IP telephone

tiptel IP 284/286 must have firmware version 6 or higher. Please check the version via Menu -> Status at the telephone. The second and third digit describe the main version which must be higher than 60. If this is below 60 just disconnect your telephone from mains for a moment. When re-starting the telephone will automatically download the latest firmware from the update server. In order to be able to do so the telephone must be connected to the network and have internet access.

There may be no accounts active in the telephone. Check this in the web configuration under "Account" and set accounts which are active to inactive.

4. Setting up the telephone system

Go to "Ports" in the upper navigation in the web interface and then in the left hand navigation go to "SIP (VoIP) -> Settings".

SIP client ports	
Local SIP port	5062
Local RTP port for port forwarding:	5004
Please program a port forwarding (virtual server) for the following UDP ports:5004 - 5035	
Proxy ports	
SIP Pproxy address	192.168.34.100 : 5060

Make sure that you have set port 5062 as local SIP port and port 5060 as SIP-Proxy-Address.

Then in the upper navigation go to "Subscriber" and then in the left hand navigation go to "Subscriber -> Administrator".

For the new IP telephone create a new subscriber or edit an already existing subscriber.

Subscriber

Selection of subscriber	80 - tiptel-IP-286 Delete
Name	tiptel-IP-286
Phone number	80
Brief description	IP-phone
Voice box no.	None
Password	*****

In section "Subscriber" the internal telephone number and the password for the subscriber must be set. Both can be chosen freely. For connecting an IP telephone a password is mandatory.

Extensions allocated to subscriber

internal analogue ports	Internal ISDN ports
<input type="checkbox"/> Analogue port 1 (main board) <input type="checkbox"/> Analogue port 2 (main board) <input type="checkbox"/> Analogue port 3 (main board) <input type="checkbox"/> Analogue port 4 (main board) <input type="checkbox"/> Analogue port 5 (main board) <input type="checkbox"/> Analogue port 6 (main board) <input type="checkbox"/> Analogue port 7 (main board) <input type="checkbox"/> Analogue port 8 (main board)	<input type="checkbox"/> S0 port 2 (main board)
SIP proxy port	
<input checked="" type="checkbox"/> Port 18 (SIP module) (192.168.34.100 : 5060)	

In section "Extensions allocated to subscriber" select the port under "SIP proxy port".

All other subscriber configuration is carried out as per the telephone systems manual and is identical to the configuration of analogue or ISDN telephones.

5. Setting up the IP telephone

At the IP telephone enter the code matching the desired language in the below tabel and then confirm this code by pressing OK.

Code	Display language	Web interface language
#*0049#	German	German
#*0033#	French	French
#*0036#	Dutch	Dutch

Then the telephone will download an already existing configuration for use as system telephone with tiptel.com or tiptel.comPact systems from the Tiptel server.

Once the download has been completed the telephone will initialize and start the wizard for setting up an account.

Here please enter following:

Authentif.: Telephone number subscriber
 Account: Telephone number subscriber
 Password: Password subscriber
 SIP server: IP address of telephone system
 Proxy server: blank

and then confirm with "Save".

Now, the telephone has set up an account and is available as extension of the tiptel.com or tiptel.comPact telephone system.

Display messages as well as the web interface have automatically been set to the correct language. However, you may change these languages after the telephone's basic configuration either at the telephone or by using the web interface.

6. Setting up system functions

In the web interface go to "Subscriber" in the upper navigation and then in the left hand navigation go to "Subscriber -> System Telephone" and then select the subscriber entry of the IP telephone.

System telephone

Selection of subscriber	80 - tiptel-IP-286
Select system phone	IP 284 / IP 286
Select functional keys	Telephone
Functional keys for users shown	List of internal subscribers
copy	

Under "Selection System Telephone" select "IP 284 / IP 286".

Under "Selection Function keys" you can chose among macro key assignment at the IP telephone o rat the optional key modules.

Key	Function	Settings
1	Internal target	50 - Analog50
2	Internal target	20 - ISDN20
3	Call forwarding busy	20 - ISDN20
4	Voice box message status	80 - this subscriber
5	Voice box on/off	80 - this subscriber

The assignment of macro keys is identical to the assignment with system telephones tiptel 83 System or tiptel 85 System.