

Description

Tech Bulletin 2011-005

IPitomy – Panasonic KX-TGP550T04

Use this guide to configure the Panasonic KX-TGP550T04 8-SIP Line Wireless phone on the IPitomy IP PBX.



Procedure – Login to the KX-TGP550T04 WEB interface

1. Activate the Web user interface. This is necessary every time you program features using a computer. (The Web user interface is deactivated after setting on the computer.) The default setting is “Off”. Note that if you fail to log in, or wait too long the web server will turn itself off and you will have to reenale it.

Handset

- a. {MENU} (centre of joystick)→ {#}{5}{3}{4}
- b. {V}/{^}: Select the desired setting.
- c. {SAVE} →{OFF}

Base Unit

- a. {MENU} (middle soft key) → {#}{5}{3}{4}
 - b. {V}/{^}: Select the desired setting.
 - c. {SAVE} → {EXIT}
2. Obtain IP address from phone:

Handset:

- a. {MENU} (centre of joystick) → {#}{5}{0}{1}
 - b. Base unit (KX-TGP550 only):
 - c. {MENU} (middle soft key) →{#}{5}{0}{1}
3. Log in to web page on phone: <http://<phone ip address>/user: admin password: adminpass>

Procedure – SIP Settings

1. Navigate to VOIP -> SIP Settings -> Line 1
2. Set Registrar Server Address, Proxy Server Address, and Presence Server Address to the PBX IP address.
3. Set phone number and Authentication ID to the extension number.
4. Set Authentication Password to SIP Password for the extension.
5. Navigate to VOIP Sip Settings Sip user agent. This field should be populated with the Mac ID of the device.

The screenshot shows the 'SIP Settings [Line 1]' web interface. The interface is divided into a left sidebar and a main content area. The sidebar has a 'Web Port Close' button at the top, followed by 'VoIP' settings (SIP Settings, Line 1-8) and 'VoIP Settings' (Line 1-8). The main content area is titled 'SIP Settings [Line 1]' and contains several sections: 'Phone Number' (Phone Number: 505), 'SIP Server' (Registrar Server Address: 192.168.1.11, Registrar Server Port: 5060 [1-65535], Proxy Server Address: 192.168.1.11, Proxy Server Port: 5060 [1-65535], Presence Server Address: 192.168.1.11, Presence Server Port: 5060 [1-65535]), 'Outbound Proxy Server' (Outbound Proxy Server Address: 192.168.1.11, Outbound Proxy Server Port: 5060 [1-65535]), 'SIP Service Domain' (Service Domain:), 'SIP Source Port' (Source Port: 5060 [1024-49151]), and 'SIP Authentication' (Authentication ID: 505, Authentication Password: *****). Annotations with arrows point to specific fields: a blue arrow points from 'EXTENSION NUMBER' to the 'Phone Number' field (505); a blue arrow points from 'PBX IP ADDRESS' to the 'Registrar Server Address', 'Proxy Server Address', and 'Presence Server Address' fields (all 192.168.1.11); a blue arrow points from 'PBX IP ADDRESS' to the 'Outbound Proxy Server Address' field (192.168.1.11); a blue arrow points from 'PBX IP ADDRESS' to the 'Authentication ID' field (505); a green arrow points from 'SIP PASSWORD' to the 'Authentication Password' field (*****).

Field	Value	Annotation
Phone Number	505	EXTENSION NUMBER
Registrar Server Address	192.168.1.11	PBX IP ADDRESS
Registrar Server Port	5060 [1-65535]	
Proxy Server Address	192.168.1.11	PBX IP ADDRESS
Proxy Server Port	5060 [1-65535]	
Presence Server Address	192.168.1.11	PBX IP ADDRESS
Presence Server Port	5060 [1-65535]	
Outbound Proxy Server Address	192.168.1.11	PBX IP ADDRESS
Outbound Proxy Server Port	5060 [1-65535]	
Service Domain		
Source Port	5060 [1024-49151]	
Authentication ID	505	PBX IP ADDRESS
Authentication Password	*****	SIP PASSWORD

Procedure – VoIP Settings

1. Navigate to VOIP->VOIP Settings-> Line 1.
2. Set the settings as listed in this screenshot:

KX-TGP550T04

Status | Network | System | **VoIP** | Telephone | Maintenance

VoIP Settings [Line 1]

Web Port Close

VoIP

SIP Settings

- Line 1
- Line 2
- Line 3
- Line 4
- Line 5
- Line 6
- Line 7
- Line 8

VoIP Settings

- Line 1
- Line 2
- Line 3
- Line 4
- Line 5
- Line 6
- Line 7
- Line 8

Quality of Service (QoS)

RTP Packet QoS (DSCP) Best Effort (default) (000 000)

Statistical Information

RTCP Interval 0 seconds [5-65535, 0: Disable]

Jitter Buffer

Maximum Delay 20 [3-50]

Minimum Delay 2 [1-2]

Initial Delay 2 [1-7]

DTMF

DTMF Type ☒ Outband ☐ Inband

Telephone-event Payload Type 101 [96-127]

Call Hold

Supports RFC 2543 (c=0.0.0.0) ☒ Yes ☐ No

CODEC Settings

First CODEC PCMU

Second CODEC G722

Third CODEC G726-32

Fourth CODEC G729A

Fifth CODEC PCMA

Save Cancel

Procedure – VoIP Settings

3. Navigate to Telephone-> Multi Number Settings.

4. The following would be a good default configuration for a single handset with a single SIP account. The defaults should allow things to work without making changes on this page.

Panasonic

KX-TGP550T04 Status Network System VoIP **Telephone** Maintenance

Multi Number Settings

Web Port Close

Telephone

Multi Number Settings

Call Control

- Line 1

- Line 2

- Line 3

- Line 4

- Line 5

- Line 6

- Line 7

- Line 8

Tone Settings

Import Phonebook

Export Phonebook

→ Grouping Handset/Handset selection for receiving calls

Line No.	Phone Number	Handset No.						Base
		1	2	3	4	5	6	
1	505	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

← Handset and Line No. selection for making calls

Handset No.	Line No.								Default
	1	2	3	4	5	6	7	8	
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Base	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1

Save Cancel