

Tech Bulletin 2011-005

IPitomy – Panasonic KX-TGP550T04

Description

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”.

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.

The screenshot shows the 'SIP Settings [Line 1]' configuration page. The page is divided into several sections, each with a blue header. The left sidebar shows a navigation menu with 'SIP Settings' selected and 'Line 1' highlighted. The main content area contains the following fields:

- Phone Number:** 505 (circled in blue)
- SIP Server:**
 - Registrar Server Address: 192.168.1.11 (circled in yellow)
 - Registrar Server Port: 5060 [1-65535]
 - Proxy Server Address: 192.168.1.11 (circled in yellow)
 - Proxy Server Port: 5060 [1-65535]
 - Presence Server Address: 192.168.1.11 (circled in yellow)
 - Presence Server Port: 5060 [1-65535]
- Outbound Proxy Server:**
 - Outbound Proxy Server Address: 192.168.1.11 (circled in yellow)
 - Outbound Proxy Server Port: 5060 [1-65535]
- SIP Service Domain:** Service Domain (empty)
- SIP Source Port:** Source Port: 5060 [1024-49151]
- SIP Authentication:**
 - Authentication ID: 505 (circled in blue)
 - Authentication Password: ***** (circled in green)

Annotations on the right side of the page point to specific fields:

- EXTENSION NUMBER:** Points to the Phone Number field (505) and the Authentication ID field (505).
- PBX IP ADDRESS:** Points to the Registrar Server Address, Proxy Server Address, Presence Server Address, and Outbound Proxy Server Address fields, all of which contain 192.168.1.11.
- SIP PASSWORD:** Points to the Authentication Password field, which contains a masked 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	<input checked="" type="radio"/> Outband <input type="radio"/> Inband
Telephone-event Payload Type	101 [96-127]
Call Hold	
Supports RFC 2543 (c=0.0.0.0)	<input checked="" type="radio"/> Yes <input type="radio"/> No
CODEC Settings	
First CODEC	PCMU ▾
Second CODEC	G722 ▾
Third CODEC	G726-32 ▾
Fourth CODEC	G729A ▾
Fifth CODEC	PCMA ▾

Save Cancel

Procedure – VoIP Settings

- Navigate to Telephone-> Multi Number Settings.
- 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