

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: Phone Number, SIP Server, Outbound Proxy Server, SIP Service Domain, SIP Source Port, and SIP Authentication. Annotations with arrows 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', and 'Presence Server Address' fields, all of which contain '192.168.1.11'.
- SIP PASSWORD**: Points to the 'Authentication Password' field, which contains '*****'.

The 'SIP Server' section includes fields for 'Registrar Server Port' and 'Proxy Server Port', both set to '5060' with a range of '[1-65535]'. The 'Outbound Proxy Server' section includes 'Outbound Proxy Server Address' (192.168.1.11) and 'Outbound Proxy Server Port' (5060 [1-65535]). The 'SIP Source Port' section includes 'Source Port' (5060 [1024-49151]).

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