



# Panasonic Configuration Guides

Version 1.0

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## About This Guide

This guide is applicable to Panasonic IP Phone KX-UT113 /KX-UT123 /KX-UT133 /KX-UT136 /KX-UT248/KX-UT670/TGP500/TGP550.

### Please note:

This guide has been tested with Panasonic KX-UT123 with firmware version 01.278. Be aware that different firmware versions may have different web interface formats and functionality.

This guide will configure the IP phone with default configuration. If you are not sure about the configuration of your IP phone, please reset your phone.

### How to Reset Panasonic IP phone:

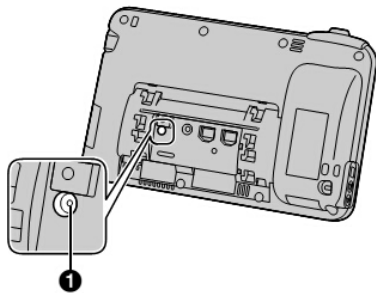
For KX-UT113 /KX-UT123 /KX-UT133 /KX-UT136 /KX-UT248

1. Press **Setting** or **Setup** .
2. Press **[#][1][3][6]**.
3. Press **[▲]** or **[▼]** to select "**Factory Setting**", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select "**Yes**", and then press **[ENTER]**.
5. Press **[▲]** or **[▼]** to select "**Yes**", and then press **[ENTER]**.

Figure 1-1 Reset Panasonic Phone

For KX-UT670

1. After starting the unit, press and hold the **RESET** button (❶) with a pointy object until the screen is cleared.



2. After the unit is restarted and **\*\*Reset Menu\*\*** is displayed, tap the key sheet in the following order:

**Home** → **▼** → **Menu** → **Back** → **Enter**

3. Tap **▼** or **▲** to select the resetting type, and then tap **Enter**.

Figure 1-2 Reset Panasonic Phone

For TGP500/TGP550

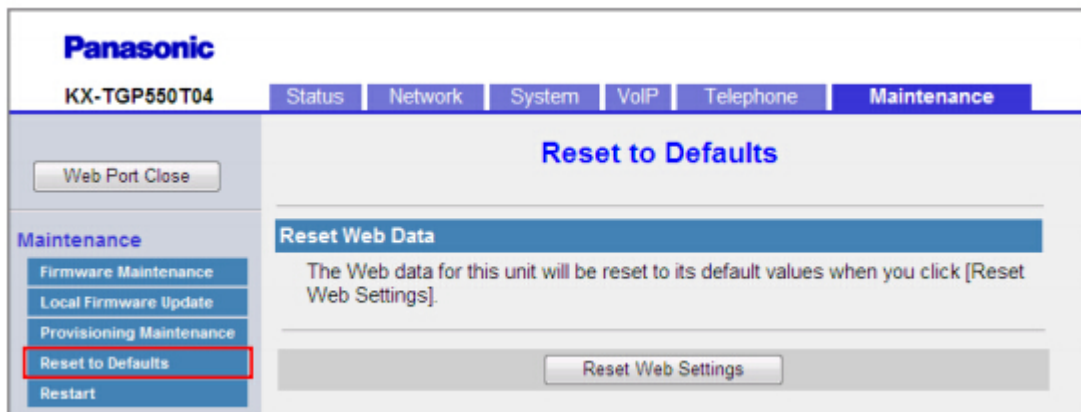


Figure 1-3 Reset Panasonic Phone

For more detailed instructions about how to reset IP phone, please refer to Panasonic IP phone manual.

## Register Panasonic IP phone with MyPBX Manually

1. Start up the phone and identify its IP Address. In this guide, the IP Address of the phone is 192.168.2.153, and IP Address of the MyPBX is

192.168.2.127

1. Press **Setting** or **Setup** .
2. Press **[▲]** or **[▼]** to select "**Information Display**", and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select "**IP Address**".
4. Press **[CANCEL]**.

Figure 1-2 Identify the IP of Panasonic Phone

2. Open the web port of Panasonic phone

1. Press **Setting** or **Setup** .
2. Press **[#][5][3][4]**.
3. Press **[▲]** or **[▼]** to select "On" for "**Embedded web**", and then press **[ENTER]**.

Figure 1-3 Open the Web Port of Panasonic Phone

3. Point your browser to the web interface of the phone: <http://192.168.2.153> and enter the login credentials (default username "admin"; default password "adminpass")

4. We need to set the phone to register with MyPBX. Click "VoIP -> Line 1" tab, and configure as follows:

- 1) In the "Phone Number" & "SIP Server" section:

Phone Number	
Phone Number	<input type="text" value="301"/>
SIP URI	<input type="text"/>
SIP Server	
Registrar Server Address	<input type="text" value="192.168.2.127"/>
Registrar Server Port	<input type="text" value="5060"/> [1-65535]
Proxy Server Address	<input type="text" value="192.168.2.127"/>
Proxy Server Port	<input type="text" value="5060"/> [1-65535]
Presence Server Address	<input type="text"/>
Presence Server Port	<input type="text" value="5060"/> [1-65535]

Figure 1-4 Number &SIP Server

- Phone number: the number of extension.
- Registrar Server Address: the IP address of MyPBX.
- Registrar Server Port: the port number to use for communication with MyPBX. Default value:5060.
- Proxy Server Address: the IP address of MyPBX.

- Registrar Server Port: the default value is 5060.

## 2) Authentication

Outbound Proxy Server	
Outbound Proxy Server Address	<input type="text"/>
Outbound Proxy Server Port	5060 [1-65535]
SIP Service Domain	
Service Domain	<input type="text"/>
SIP Source Port	
Source Port	5060 [1024-49151]
SIP Authentication	
Authentication ID	301
Authentication Password	.....

Figure 1-5 SIP Authentication

- Source Port : the SIP port number for each line must be unique, default value: 5060 (for Line 1) and 5070 (for Line 2).
- Authentication ID:same as the extension's number in general.
- Authentication Password:password of extension.

## 3) Set transport protocol

DNS	
Enable DNS SRV lookup	<input checked="" type="radio"/> Yes <input type="radio"/> No
SRV lookup Prefix for UDP	_sip_udp.
SRV lookup Prefix for TCP	_sip_tcp.
Transport Protocol for SIP	
Transport Protocol	<input checked="" type="radio"/> UDP <input type="radio"/> TCP

Figure 1-6 Transport Protocol

- Transport Protocol : same as the option on extension page

## 4) Others

Timer Settings	
T1 Timer	500 milliseconds
T2 Timer	4 seconds
Timer B	32000 milliseconds [250-64000]
Timer D	5000 milliseconds [0, 250-64000]
Timer F	32000 milliseconds [250-64000]
Timer H	32000 milliseconds [250-64000]
Timer J	5000 milliseconds [0, 250-64000]
Quality of Service (QoS)	
SIP Packet QoS (DSCP)	0 [0-63]
SIP extensions	
Supports 100rel (RFC 3262)	<input type="radio"/> Yes <input checked="" type="radio"/> No
Supports Session Timer (RFC 4028)	0 seconds [60-65535, 0: Disable]
NAT Identity	
Keep Alive Interval	0 seconds [10-300, 0: Disable]
Supports Rport (RFC 3581)	<input type="radio"/> Yes <input checked="" type="radio"/> No
Security	
Enable SSAF (SIP Source Address Filter)	<input type="radio"/> Yes <input checked="" type="radio"/> No

Figure 1-7 Other Settings

- Set these options by default as the figure shows
5. Click the button "Save" and the phone will register with MyPBX. This can be verified via "Status" both of the IP phone and PBX.

KX-UT123X		Status	Network	System	VoIP	Telephone	Maintenance												
Web Port Close		<b>VoIP Status</b>						Refresh											
Status		<table border="1"> <thead> <tr> <th colspan="3">VoIP Status</th> </tr> <tr> <th>Line No.</th> <th>Phone Number</th> <th>VoIP Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>301</td> <td>Registered</td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> </tbody> </table>						VoIP Status			Line No.	Phone Number	VoIP Status	1	301	Registered	2		
VoIP Status																			
Line No.	Phone Number	VoIP Status																	
1	301	Registered																	
2																			
Version Information																			
Network Status																			
VoIP Status																			

Figure 1-8 VoIP Status on IP phone

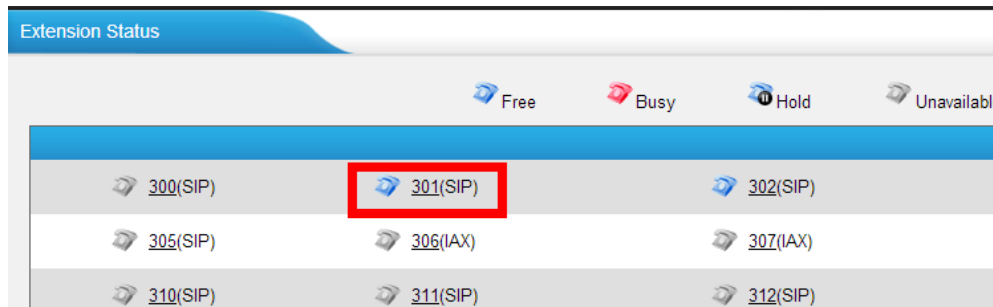


Figure 1-8 Extension Status on MyPBX

## Provisioning for MyPBX

### 1. Verify Firmware Installed on Your Phone

Verify the firmware version currently installed on the "Status" page.

### 2. Plug Phone into the network

Plug your Panasonic IP phone into your LAN. (The Phone must be on the same LAN as that of MyPBX's IP address).

### 3. Approve Phone and Assign an Extension

To do provisioning with Panasonic IP phones, you need to set MyPBX as the only



working DHCP server

**Step1.** Disable DHCP Server on your local network.

E.g. Disable DHCP Server on Linksys Router.

The screenshot shows the Linksys Basic Setup interface. The 'Local DHCP Server' option is highlighted with a red box and is currently set to 'Disable'. The interface includes sections for Internet Setup, Network Setup, and Basic Setup. The Local DHCP Server section includes fields for Start IP Address (192.168.1.100), Number of Address (50), DHCP Address Range (192.168.1.100 to 192.168.1.149), Client Lease Time (0 minutes), and Static DNS 1, 2, and 3 (all set to 0.0.0.0). The WINS field is also set to 0.0.0.0. The 'Save Settings' and 'Cancel Changes' buttons are visible at the bottom.

Figure 2-1 Disable DHCP Server on Linksys Router

**Step2.** Make sure DHCP is enabled on Panasonic IP phone. The default setting of DHCP for IP Phone is "Automatic", so you can skip this step and go to next step.

If the DHCP is disabled, please follow steps below to enable it.

1. Press **Setting** or **Setup**.
2. Press **[▲]** or **[▼]** to select **"Network Settings"**, and then press **[ENTER]**.
3. Press **[▲]** or **[▼]** to select **"Network"**, and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select **"DHCP"**, and then press **[ENTER]**.
5. Press **[▲]** or **[▼]** to select **"Automatic"** for DNS, and then press **[ENTER]**.
  - Select **"Manual"** to enter the addresses for DNS1 (primary DNS server) and, if necessary, DNS2 (secondary DNS server) manually, and then press **[ENTER]**.
6. Press **[CANCEL]**.

Figure 2-2 Enable DHCP on Panasonic phone

**Step3.** Enable DHCP Server on MyPBX.

Login MyPBX web interface, System -> DHCP Server -> Enable DHCP Server

**DHCP is running**

Enable

Router :


Subnet Mask :

Primary DNS :

Secondary DNS :

Allow IP Address From:

To:

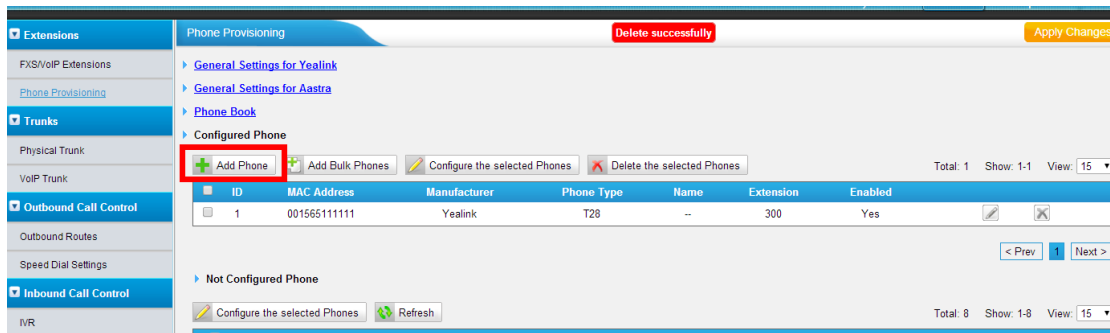
TFTP Server  :

NTP Server:

Figure 2-3 Enable DHCP Server on MyPBX

**Step4.** Configure phones on MyPBX Auto-Provision page.

- 1) Login MyPBX web interface, Basic->Extensions->Phone Provisioning->Add Phone.



The screenshot shows the 'Phone Provisioning' page in the MyPBX web interface. A red box highlights the 'Add Phone' button. The page includes a navigation sidebar on the left with categories like 'Extensions', 'Trunks', 'Outbound Call Control', and 'Inbound Call Control'. The main content area shows a table of 'Configured Phone' with columns for ID, MAC Address, Manufacturer, Phone Type, Name, Extension, and Enabled. A single phone is listed with ID 1, MAC Address 001565111111, Manufacturer Yealink, Phone Type T28, Name --, Extension 300, and Enabled Yes. Below the table are navigation buttons for '< Prev', '1', and 'Next >'. There is also a section for 'Not Configured Phone' with a 'Refresh' button.

Figure 2-3 Phone Provisioning

- 2) Fill in the phone detail message on the pop-up windows.  
Input IP Phone's MAC address, Name, Manufacturer, Phone type, Line, Extension and so on for the phone.  
In this case, Panasonic KX-UT123 IP phone's MAC address is 0080f005BF96

The screenshot shows a web-based configuration interface for adding a Panasonic phone. The window title is "Add Phone". It has two tabs: "General" (selected) and "Codecs". In the "General" tab, the following settings are visible:

- Enabled: Yes
- MAC Address: 0080f005bf96
- Name: simeon
- Manufacturer: Panasonic
- Phone Type: UT123

Below these fields is a section labeled "Line" containing two entries:

- Line1: Extension: 303
- Line2: Extension: 304

At the bottom of the window are two buttons: "Save" (with a green checkmark icon) and "Cancel" (with a red X icon).

Figure 2-4 Add Panasonic Phone

**Step4.** Save the settings and reset the IP phone manually to make configuration take effect.

1. Press **Setting** or **Setup** .
2. Press **#[1][3][6]**.
3. Press **[▲]** or **[▼]** to select "**Factory Setting**", and then press **[ENTER]**.
4. Press **[▲]** or **[▼]** to select "**Yes**", and then press **[ENTER]**.
5. Press **[▲]** or **[▼]** to select "**Yes**", and then press **[ENTER]**.

Figure 2-5 Reset Panasonic Phone

**Step5.** Done.

<End>