

KX-TGP700

Handset/Repeater registration with IPEI

9th September 2020
Rev 1.0



Revision history

Date	Revision	Changes
9 th September 2020	Rev 1.0	Initial release

The repeater KX-A407 is supported TGP700 Ver.1.1 or later

What's IPEI

IPEI (International Portable Equipment Identity) is unique fixed 12 digits number for DECT handset.

IPEI settings in your configuration file enables you :

- **Reduce installation work by pre-defining IPEI to each handset number**

You can specify e.g. TPA68 for handset 1, TPA70 for handset 2 and TPA73 for handset 3 by IPEI settings. Each handset is registered as pre-defined order, regardless of operation order for registration among these handsets.

- **Restrict to be registered unexpected additional handsets**

You can prohibit the end user to register additional handsets whose IPEI is not specified in the configuration file.

- **Assist handset replacement by de-registering existing handset remotely**

You can unregister existing handset and specify new handset's IPEI by provisioning.

As big advantage of TGP700 system, the repeater KX-A407 has IPEI also.
So you can receive the same benefit for the repeater installation.*

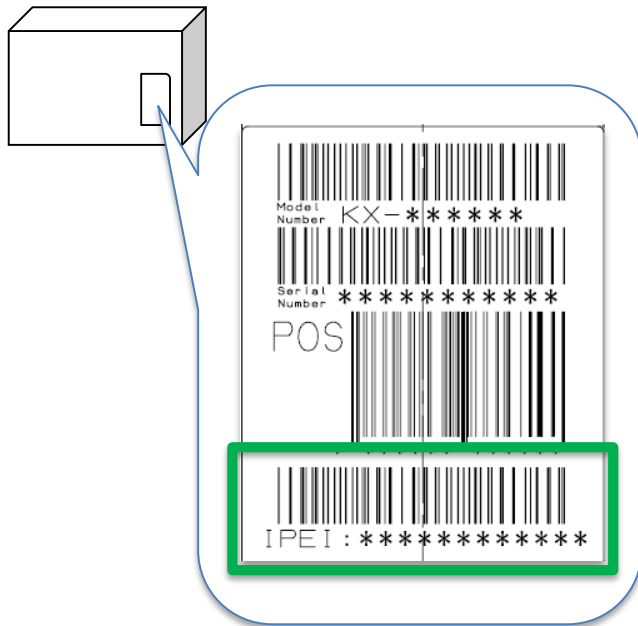
* : KX-A407 is available for TGP700 firmware ver.1.1 or later. ³



How to confirm IPEI

You can confirm IPEI by 3 ways before registering to the base unit :

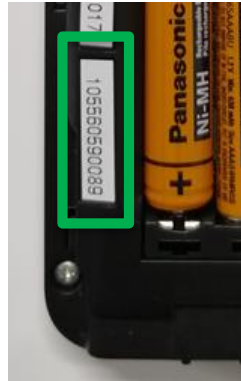
1. Label on the carton box



2. Label on the device

Handset (Beside battery socket)

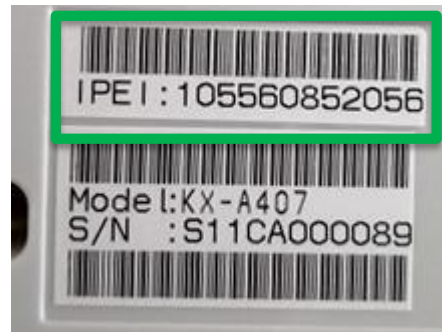
TPA70



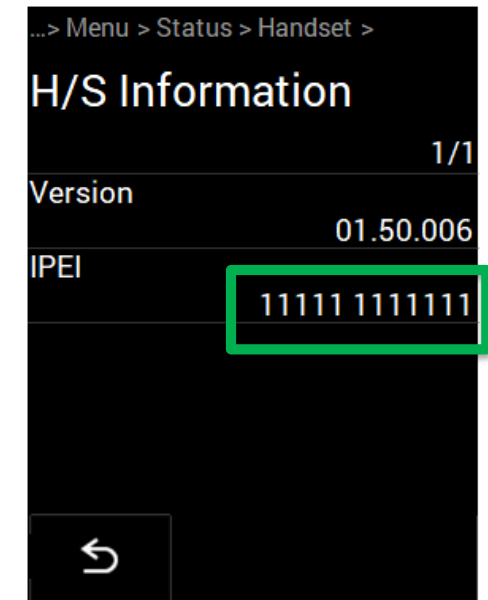
TPA73



Repeater KX-A407 (Rear of the device)



3. Phone menu*



ex) TPA70/73
Menu -> Status -> Handset ->
H/S Information

* Not for the repeater

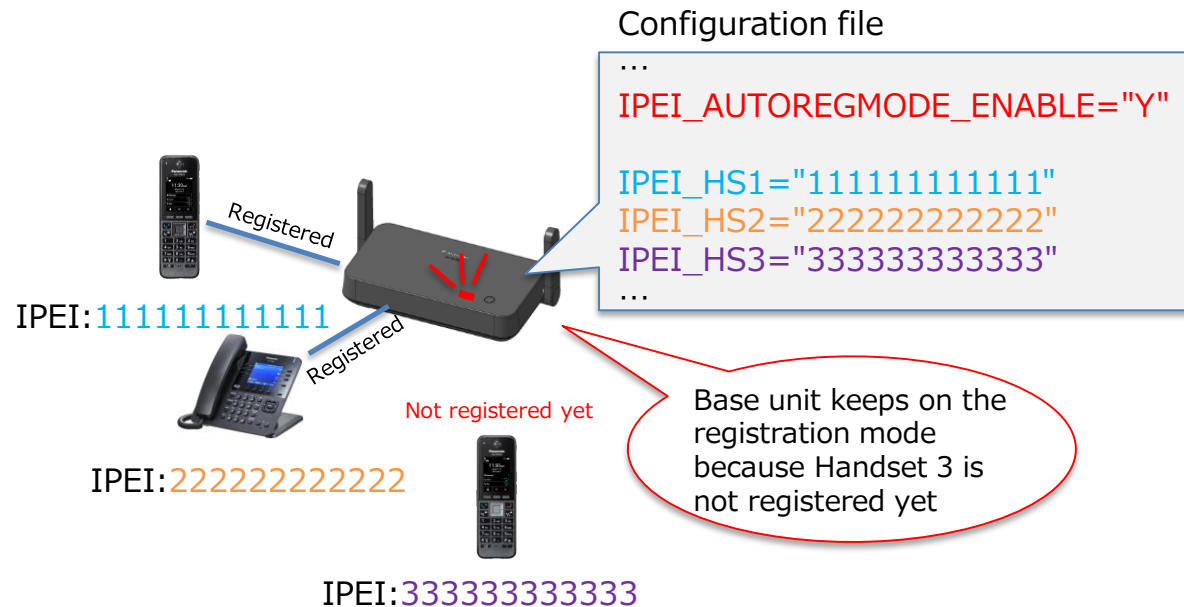
Configuration parameters

Parameter Name	Value Range	Default Value	Description	TGP700	TGP600
IPEI_HSy (y : 1-16 for TGP700 y : 1-8 for TGP600)	12 Digits, Decimal	Empty string	Specifies the handset's IPEI, which is used registering the handset to the base unit.	✓	✓
IPEI_REPEATERx (x : 1-6)	12 Digits, Decimal	Empty string	Specifies the repeater's IPEI, which is used registering the repeater to the base unit.	✓ (Ver.1.1 ~)	
IPEI_AUTOREGMODE_ENABLE	Y: Enable automatically registration N: Disable	N	Specifies whether to perform the HS registration mode automatically after IPEI was set.	✓	✓
IPEI_RESTRICTION_ENABLE	Y: Enable registration limit N: Disable	N	Specifies whether to perform the HS registration limit after IPEI was set. This setting is available only when "IPEI_AUTOREGMODE_ENABLE" is set "Y".	✓	✓
IPEI_CHANGE_HS_ENABLE	Y: Enable changing N: Disable	N	Specifies whether to enable the ability to change handset registration with IPEI. This setting is available only when "IPEI_AUTOREGMODE_ENABLE" is set "Y".	✓	✓

Although IPEI can be specified by configuration file, you always need handset operation in order to register the handset to the base unit.

Behavior of IPEI_AUTOREGMODE_ENABLE="Y"

- Base unit performs the handset registration mode (STATUS indicator : Red slow flashing) automatically until all IPEI specified handsets/repeaters are registered.



Note :

- Although IPEI is specified by configuration file, you always need handset operation in order to register the handset to the base unit.
- You can quit the handset registration mode manually by pressing locator button on the base unit.

- "IPEI_AUTOREGMODE_ENABLE" must be enabled to use "IPEI_CHANGE_HS_ENABLE" and "IPEI_RESTRICTION_ENABLE".
- Handset de-registration by handset operation is restricted when "IPEI_AUTOREGMODE" is enabled.

Use cases of IPEI settings (1/3)

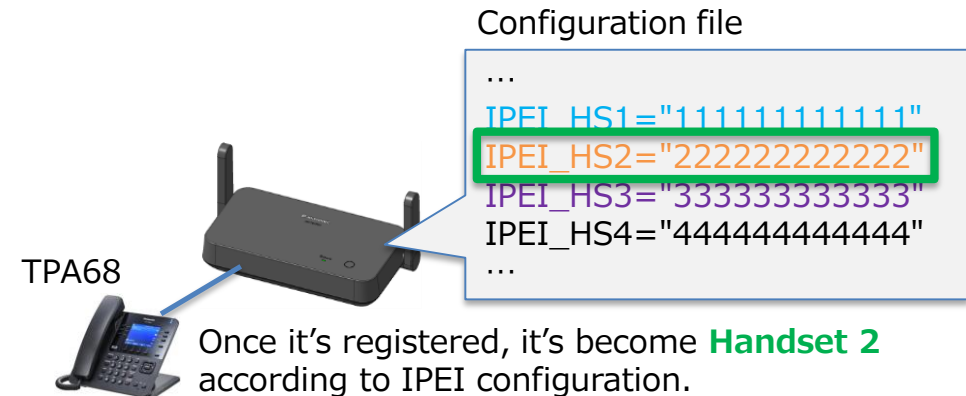
1. Specify the handset number of each device beforehand

Customer needs varieties of handsets.
Handset 1 must be TPA73, Handset 2 must be TPA68, Handset 3 must be TPA70, Handset 4 must be...
I need to mind the order of the registration...



Installer

"IPEI_HSy" setting can help!



IPEI: 222222222222

By specifying IPEI of each handset in your configuration file, each device will become the defined handset number when you register the handset. You don't need to mind the order of the registration operation and you can operate the registration for all handsets at the same time.

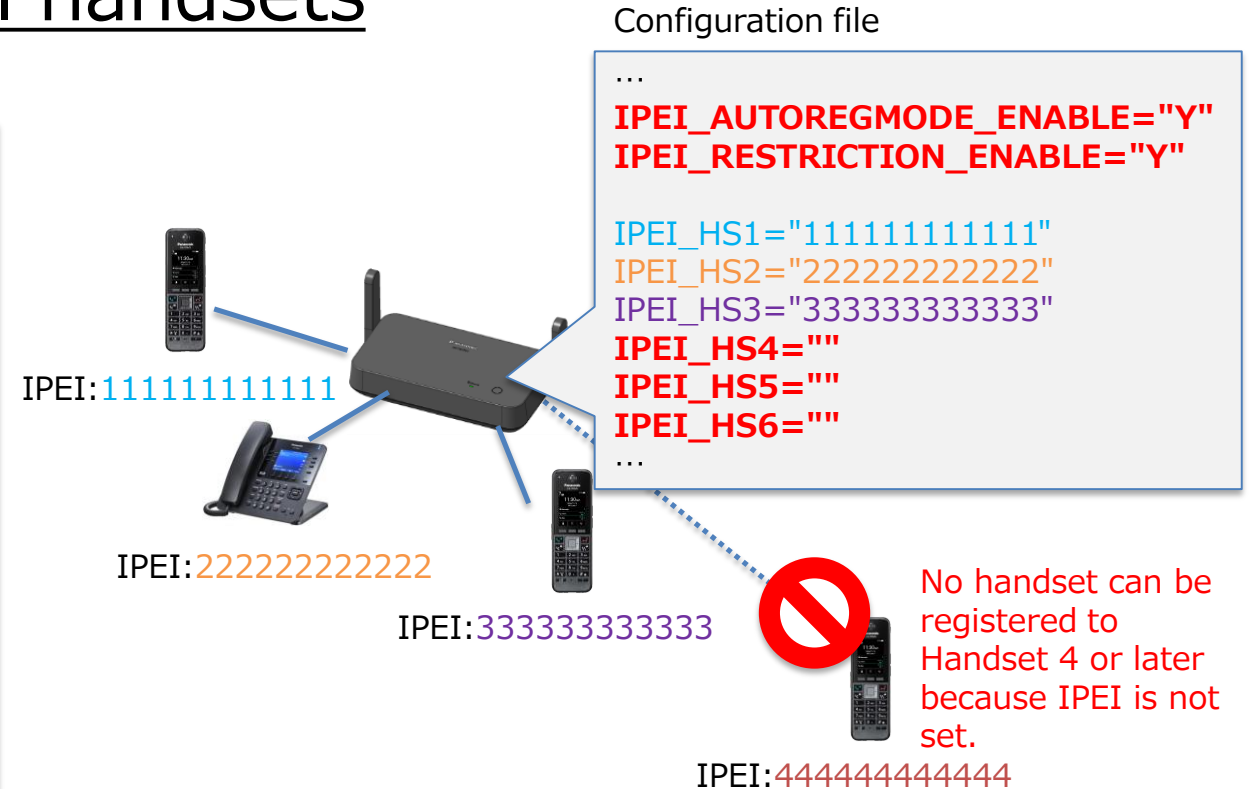
2. Restrict to register additional handsets

Based on a contract, the number of the users of this customer is 3.
Additional handsets must be prohibited to be registered.



Service Provider

"IPEI_RESTRICTION_ENABLE"
setting can help!



By specifying IPEI of each handset and enabling "IPEI_AUTOREGMODE_ENABLE" and "IPEI_RESTRICTION_ENABLE" in your configuration file, The additional handset whose IPEI is not specified in the configuration file cannot be registered. The base unit rejects the unknown handset registration.

3. De-register the handset remotely to assist handset replacement

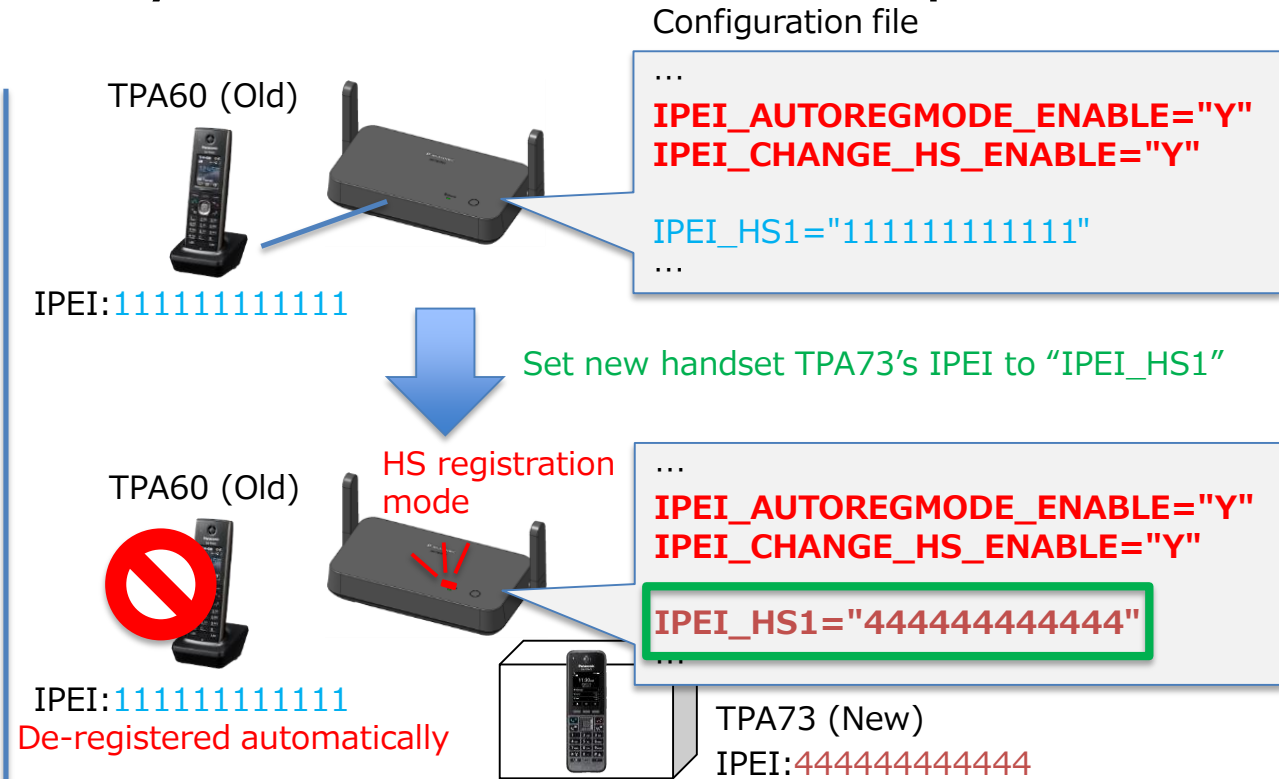
Customer wants to replace TPA60 to new model TPA73.

Can customer do de-register TPA60 and register TPA73 by himself? Or installer has to go to the customer site ...?



Service Provider

"IPEI_CHANGE_HS_ENABLE"
setting can help!



By specifying IPEI of new handset and enabling "IPEI_AUTOREGMODE_ENABLE" and "IPEI_CHANGE_HS_ENABLE" in your configuration file, the old handset is de-registered automatically and what the customer needs to do for the replacement is just to operate the handset registration for new one.