

Panasonic KX-NS700 IP-SIP Extension / KX-TGP-500 Telquest Tech Support

This Help Sheet explains how to set up the KX-NS700 KSU to allow a P-SIP Extension to work.

The Panasonic KX-TGP Cordless is considered to be a P-SIP Extension by the KSU.
It is NOT considered to be a 3rd Party SIP Phone even though it uses Open Standards SIP.
(P-SIP Extension = Proprietary SIP Extension)

We assume that you are a qualified Telecom Tech with Panasonic programming experience.

If you are unable to understand this Help Sheet then you will need to bring in a local person that is an experienced, qualified Panasonic technician and has an understanding of IT Networking.

You will need to know the following information before you can proceed.
The Static LAN IP Address of the KSU.

You must also have a P-SIP Extension License for EACH KX-TGP telephone extension.

There are 4 IP Proprietary Telephone/P-SIP Extension License Preinstalled in the KSU.

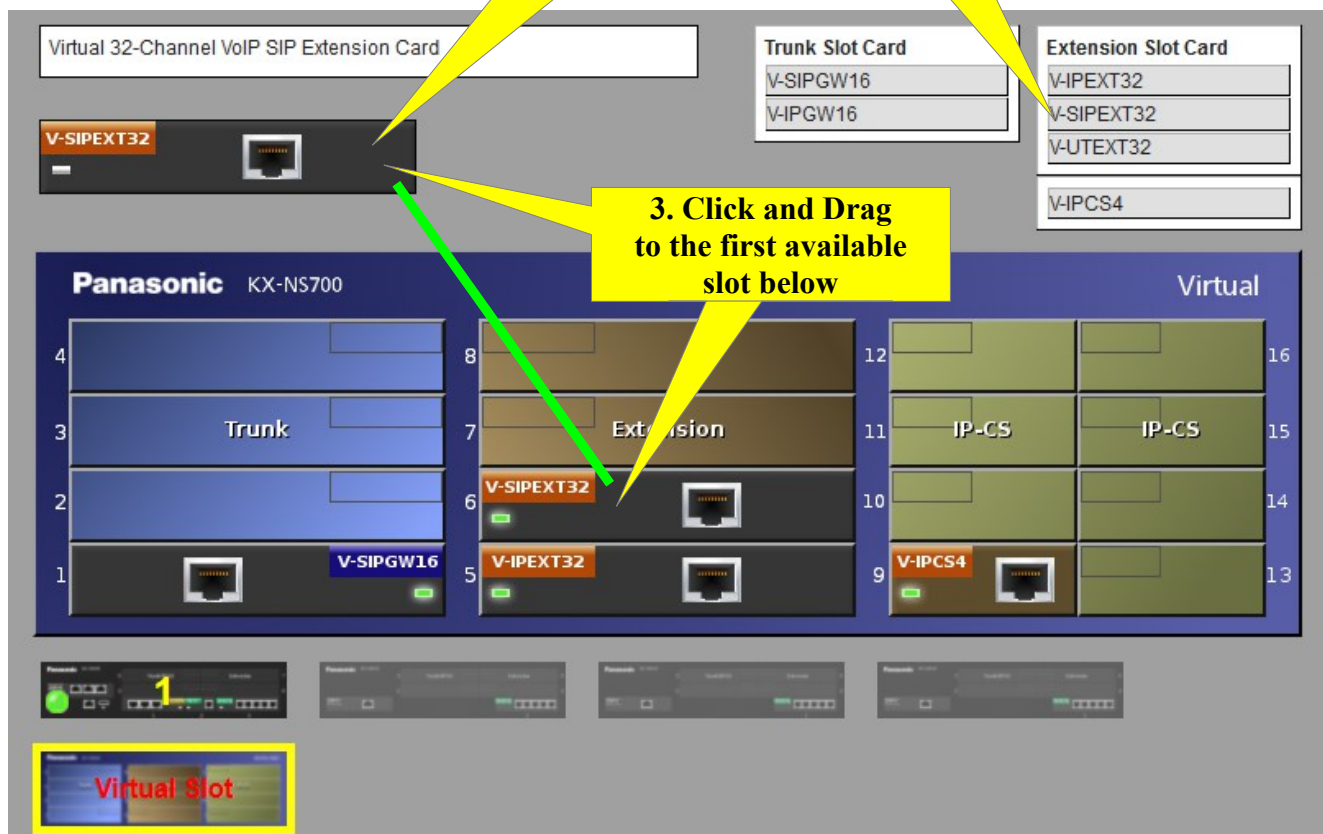
Available Licenses that can be purchased:

Up to 4 ch	Preinstalled
1 ch	KX-NSM501
5 ch	KX-NSM505
10 ch	KX-NSM510
20 ch	KX-NSM520

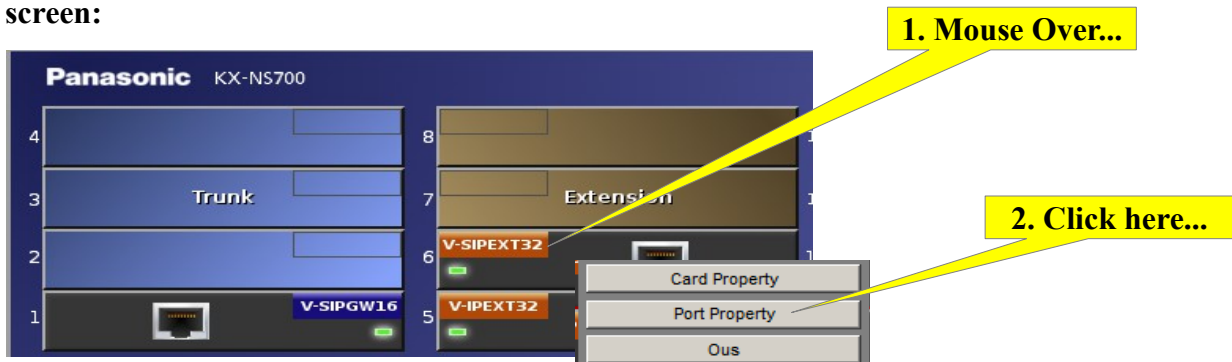
4 P-SIP Extension
Licenses Preinstalled

Activation Key area:

Activated feature	Pre-installed	Activation key	Features in total
IP Trunk (ch)	0	8	8
IP Proprietary Telephone/IP Softphone/ P-SIP Extension (ch)	0	0	0
IP Proprietary Telephone/P-SIP Extension (ch)	4	0	4
SIP Extension (ch)	0	0	0

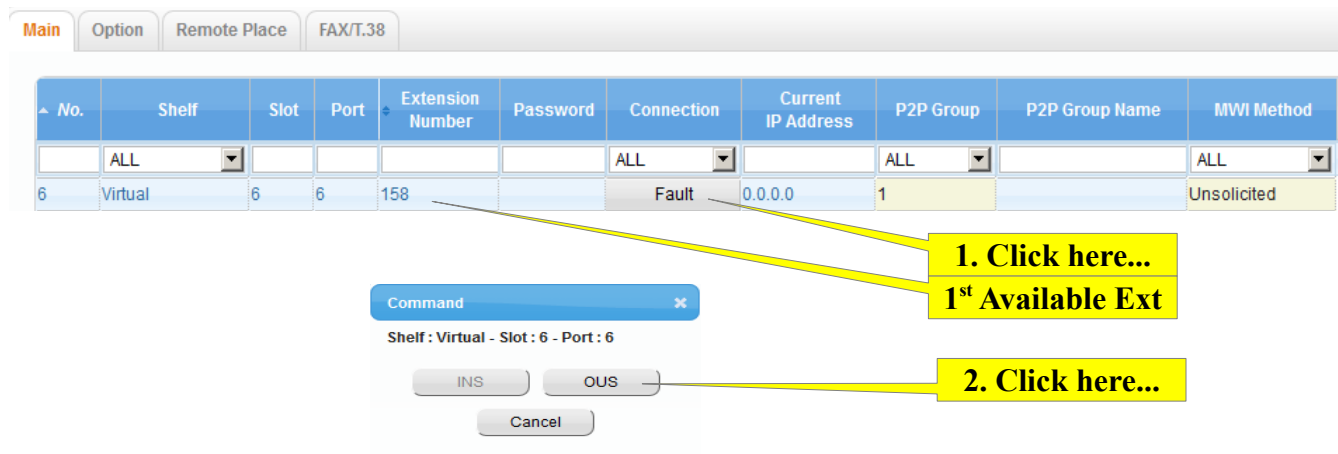


Same screen:

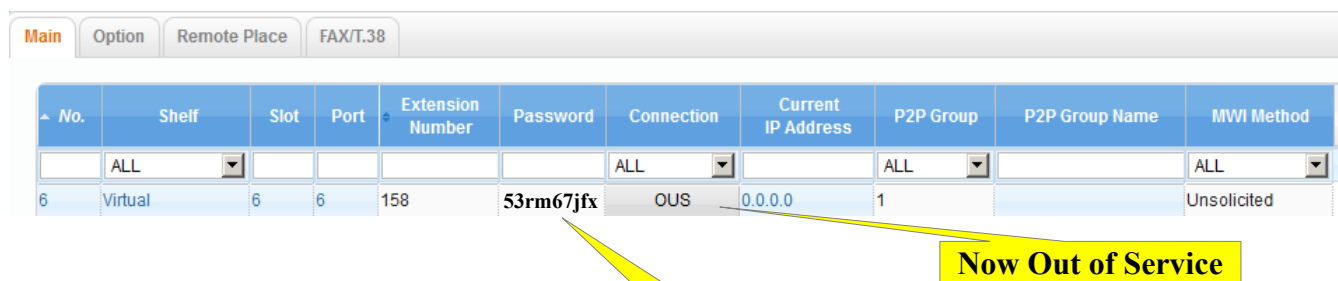


Next screen:

I have cut the screens down to minimize the view.



Same screen:



Be security aware.
Do not use 1234 or anything simple.
Use something like
27jw947x or 53rm67jfx

1. Add a password.
This will be the SIP Password
used for SIP Registration
AKA: SIP Authentication

Same screen:

1. Click here...

Main Option Remote Place FAX/T.38										
No.	Shelf	Slot	Port	Extension Number	Password	Connection	Current IP Address	P2P Group	P2P Group Name	MWI Method
	ALL					ALL		ALL		ALL
6	Virtual	6	6	158	53rm67jfx	OUS	0.0.0.0	1		Unsolicited

Next screen:

1. Click here...

Main Option Remote Place FAX/T.38							
No.	Shelf	Slot	Port	Extension Number	Password	Connection	Phone Location
	ALL					ALL	ALL
6	Virtual	6	6	158	53rm67jfx	OUS	Local
7	Virtual	6	7	159		Fault	Local
8	Virtual	6	8	160		Fault	

2. Select Local

Same screen:

Main Option Remote Place FAX/T.38							
No.	Shelf	Slot	Port	Extension Number	Password	Connection	Phone Location
	ALL					ALL	ALL
6	Virtual	6	6	158	53rm67jfx	OUS	Local

It will look like this when done...

View 1-20 of 32

OK Cancel Apply

3. Click here...

Same screen:

Main Option Remote Place FAX/T.38							
▲ No.	Shelf	Slot	Port	Extension Number	Password	Connection	Phone Location
	ALL					ALL	ALL
6	Virtual	6	6	158	53rm67jfx	OUS	Local

4. Click here...

5. Click here...

Command

Shelf : Virtual - Slot : 6 - Port : 6

INS

OUS

Cancel

Same screen:

▲ No.	Shelf	Slot	Port	Extension Number	Password	Connection	Phone Location
	ALL					ALL	ALL
6	Virtual	6	6	158	53rm67jfx	Fault	Local

This completes the programming to establish a P-SIP Extension and its password.

The Connection shows Fault since a phone has not Registered yet.

Accessing the KXTGP-500 Web Browser

The KXTGP – 500 Web Browser is disabled by default.

To allow access to the Web Browser:

Press the Menu button IN

Dial #534 (POUND 534)

You will see “Embedded Web” in the LCD

Select ON

Press the Menu button IN

How to find the KXTGP – 500 IP Address

Press the Menu button IN

Dial #501 (POUND 501)

You will see “IP Address” in the LCD

The IP Address is just below it

Browser Default Logon Info:

Logon: admin

Password: adminpass

The Web Browser for the KX-TGP 500 will stay open for 30 minutes.

If you lose programming connectivity to the KX-TGP 500, then use Page 6 again.

When the LED on the KX-TGP 500 base unit is Steady Green, then the Extension you programmed is Registered.

You should be able to dial and ring between the KX-TGP 500 and the NS700 KSU.

If the LED on the KX-TGP 500 is Flashing Orange, then it is not Registered and you need to go over all your settings.

Programming the KX-TPG 500

Panasonic
KX-TGP500B04

1. Click here...

2. Click here...

3. Enter Extension Number

4. Enter KSU LAN IP Address

5. Enter 15060

6. Enter KSU LAN IP Address

7. Enter 15060

8. Enter KSU LAN IP Address

9. Enter Extension Number

10. Enter Password See Page 3

11. Click here...

Web Port Close

VoIP

SIP Settings [Line 1]

Phone Number

Phone Number: 158

Line ID:

SIP Server

Registrar Server Address: 192.168.111.201

Registrar Server Port: 15060 [1-65535]

Proxy Server Address:

Proxy Server Port: 5060 [1-65535]

Presence Server Address:

Presence Server Port: 5060 [1-65535]

Outbound Proxy Server

Outbound Proxy Server Address: 192.168.111.201

Outbound Proxy Server Port: 15060 [1-65535]

SIP Service Domain

Service Domain: 192.168.111.201

SIP Source Port

Source Port: 5060 [1024-4915]

SIP Authentication

Authentication ID: 158

Authentication Password:

Save Cancel