

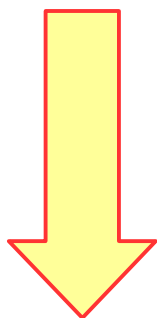
## Panasonic NS-700 Panasonic MobilPhone Softphone Telquest Tech Support

>>> If you use an Iphone, it must be Release 10 or higher. <<<  
KSU must be V6.0 or Higher

**You must purchase at least one of the following Application Keys/Licenses to allow the Panasonic MobilPhone to work Remotely and beyond the 30 day Trial Period:**

### Application Keys for the Softphone

AK Model Name	Description
KX-UCMA001W	Mobile Softphone 1 user Activation Key
KX-UCMA005W	Mobile Softphone 5 users Activation Key
KX-UCMA010W	Mobile Softphone 10 users Activation Key
KX-UCMA025W	Mobile Softphone 25 users Activation Key
KX-UCMA050W	Mobile Softphone 50 users Activation Key



**Note:**

**KX-UCMA Licenses are not installed into the KSU, but are installed into the KMS Server for Mobile Softphone.**

KMS = Key Management Server

**Additionally, you may need to purchase at least one of the following Application Keys to allow the Panasonic Softphone P-SIP Extension to work:**

### Application Keys for the Softphone P-SIP Extension P-SIP = Proprietary SIP Extension

KX-NSM201	1-Channel IP Softphone/IP Proprietary Telephone/ P-SIP Extension Activation Key (1 IPSoftphone/IP PT/ SIP-MLT/P-SIP)
KX-NSM205	5-Channel IP Softphone/IP Proprietary Telephone/ P-SIP Extension Activation Key (5 IPSoftphone/IP PT/ SIP-MLT/P-SIP)
KX-NSM210	10-Channel IP Softphone/IP Proprietary Telephone/ P-SIP Extension Activation Key (10 IPSoftphone/IP PT/SIP-MLT/P-SIP)
KX-NSM220	20-Channel IP Softphone/IP Proprietary Telephone/ P-SIP Extension Activation Key (20 IPSoftphone/IP PT/SIP-MLT/P-SIP)

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

There is a 4 Channel, IP Proprietary Telephone (NT Phone) and P-SIP Extension Activation Key included with your KSU. If you have at least 1 spare, then it can be used for the Panasonic Softphone Extension in the KSU. Not the actual Softphone.

## Create the SIP Extension

>>> Make sure that you have High Speed Internet. DSL may work, but poorly. <<<

The screenshot shows the NS700 Web Maintenance Console interface. The left sidebar contains a navigation menu with categories like Users, PBX Configuration, and UM Configuration. The main area is titled 'Slot' and includes tabs for System Property, Activation Key, IP Phone Registration, VoIP Property, and UM Property. The central display shows a rack of slots with various cards installed. A yellow box highlights a 'Virtual Slot' and a red arrow points to it with the text '1. Mouse Over...'. Below this, a 'Select Shelf' button is highlighted with a red arrow and the text '2. Click Here...'.

**Trunk Slot Card**

LCOT6
PRI23
DPH2

**Extension Slot Card**

MCSLC16
MCSLC8
DLC16
DLC8
DHLC4

**Panasonic KX-NS700 Basic**

4 Trunk/DPH2 6

3 LCOT6 DHLC4 5

1 DLC2 MCSLC4 2

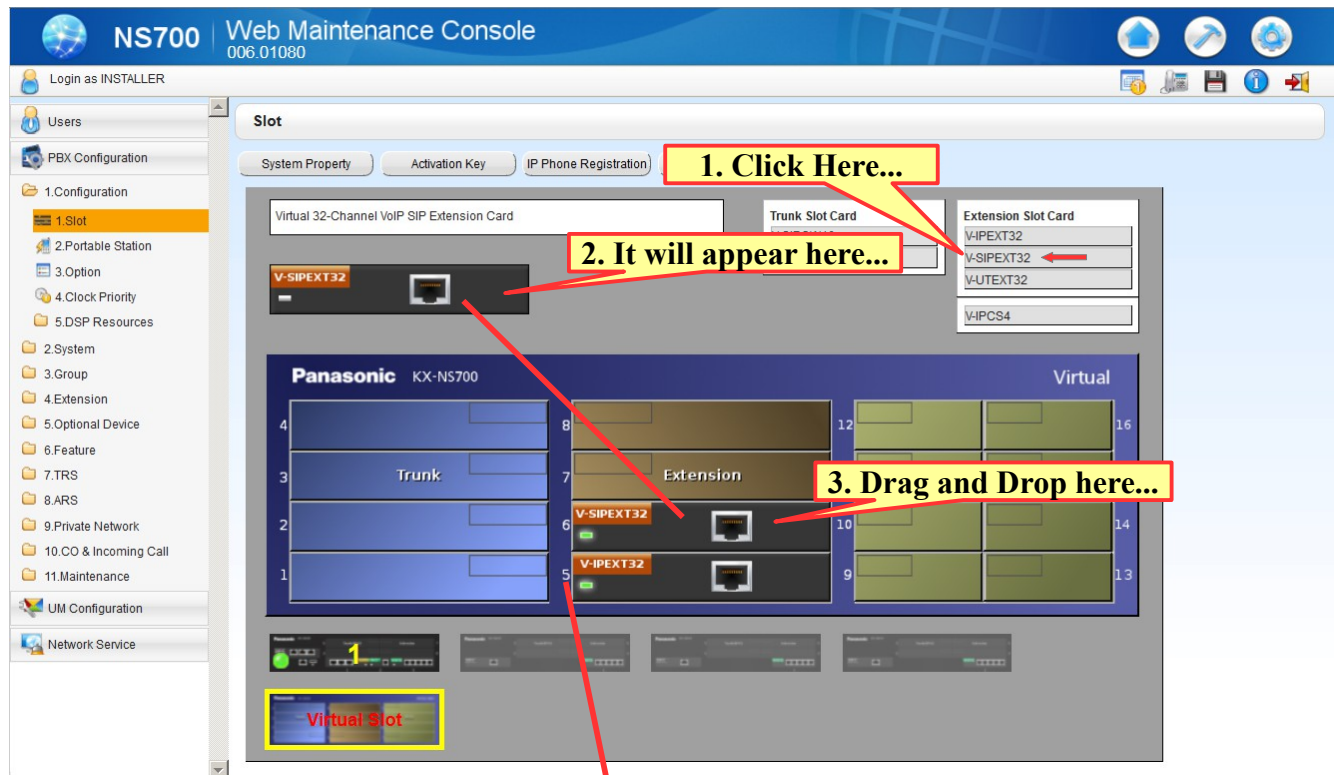
**Virtual Slot**

**1. Mouse Over...**

**Select Shelf**

**2. Click Here...**

## Install a Virtual V-SIPEXT32 Card



### Note:

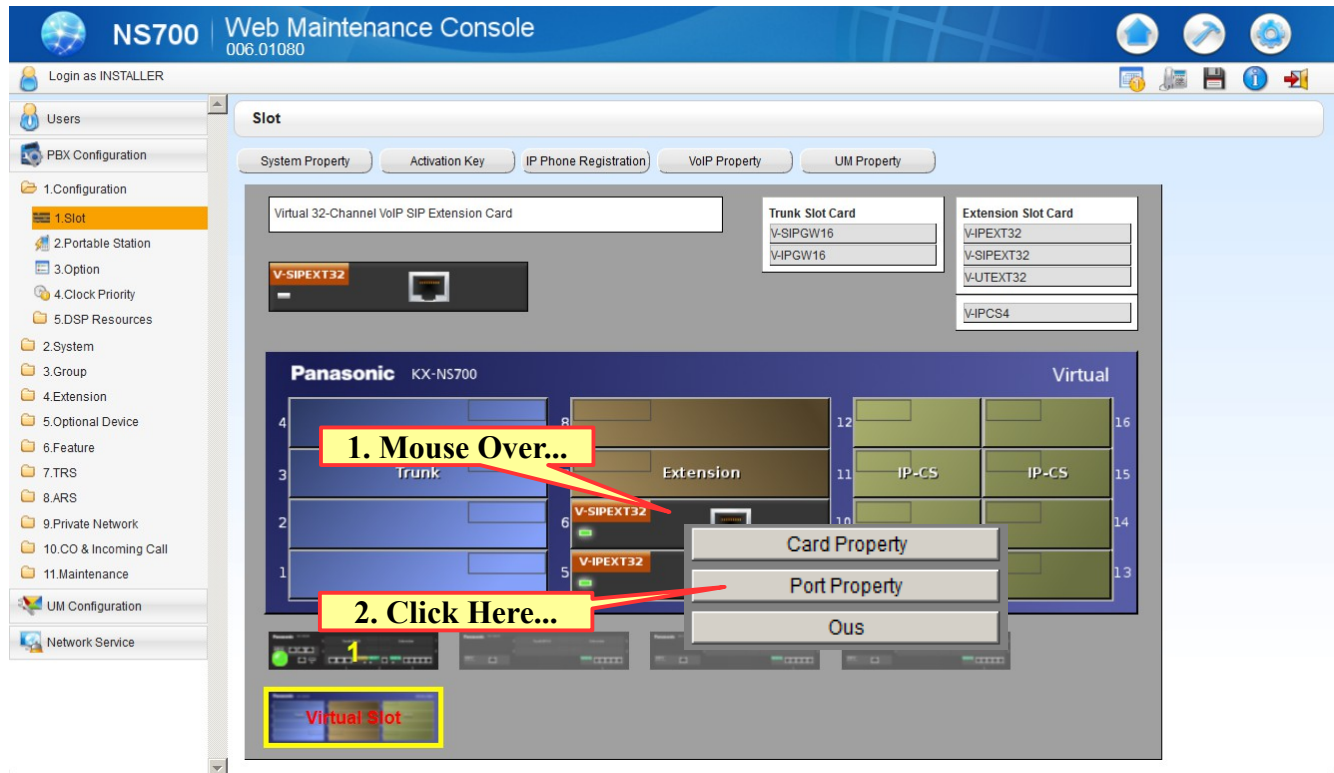
I already have a V-IPEXT32 card in position 5 for some Panasonic NT Type IP phones.

That is why my V-SIPEXT32 card is in Position 6.

You should place your V-SIPEXT32 card in the next available slot.

If you place it in a higher position, it will automatically drop to the correct position.

## Open the Port Properties of the V-SIPEXT32 Card



The screen on Page 5 will appear.

## Select an Extension Number and Assign a Password

1. Set to OUS...

2. Add a Password...

3. Click again...

4. Click here...

5. It will change to Fault...

### Note:

I have selected Extension 153 in the above example.

You can use a different Extension.

The Connection shows as a Fault, this is normal at this point.

I used 1234 as the Password, you can use something different.

This is the SIP Registration Password used in the Softphone.

## Set Phone Location and Panasonic SIP Phone Only

**Note:** We are still on the same Programming Screen.

**1. Click here...**

**2. Set like this...**

**3. Set like this...**

**4. Click here...**

No.	Shelf	Slot	Port	Extension Number (SIP Username)	Password	Connection	Phone Location	Panasonic SIP Phone only
1	Virtual	6	1	153	1234	Fault	Local + Remote	Yes (Only)
2	Virtual	6	2	154		Fault	Local	No
3	Virtual	6	3	155		Fault	Local	No
4	Virtual	6	4	156		Fault	Local	No
5	Virtual	6	5	157		Fault	Local	No
6	Virtual	6	6	158		Fault	Local	No
7	Virtual	6	7	159		Fault	Local	No
8	Virtual	6	8	160		Fault	Local	No
9	Virtual	6	9	161		Fault	Local	No
10	Virtual	6	10	162		Fault	Local	No
11	Virtual	6	11	163		Fault	Local	No
12	Virtual	6	12	164		Fault	Local	No
13	Virtual	6	13	165		Fault	Local	No
14	Virtual	6	14	166		Fault	Local	No

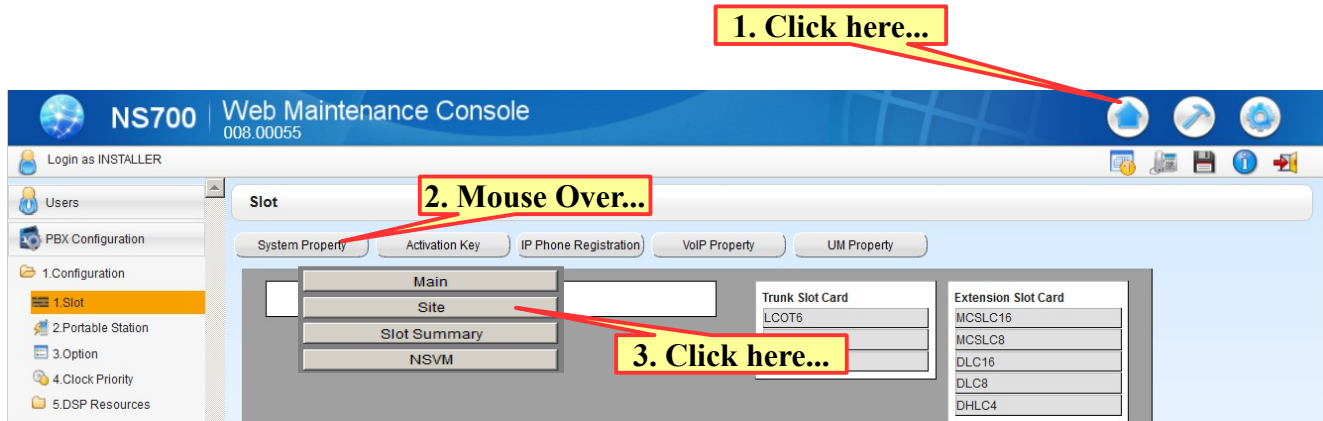
If do not use a VPN between the Softphone and the KSU, you need to Port Forward the following:

**5060 UDP to the LAN IP Address of the KSU**

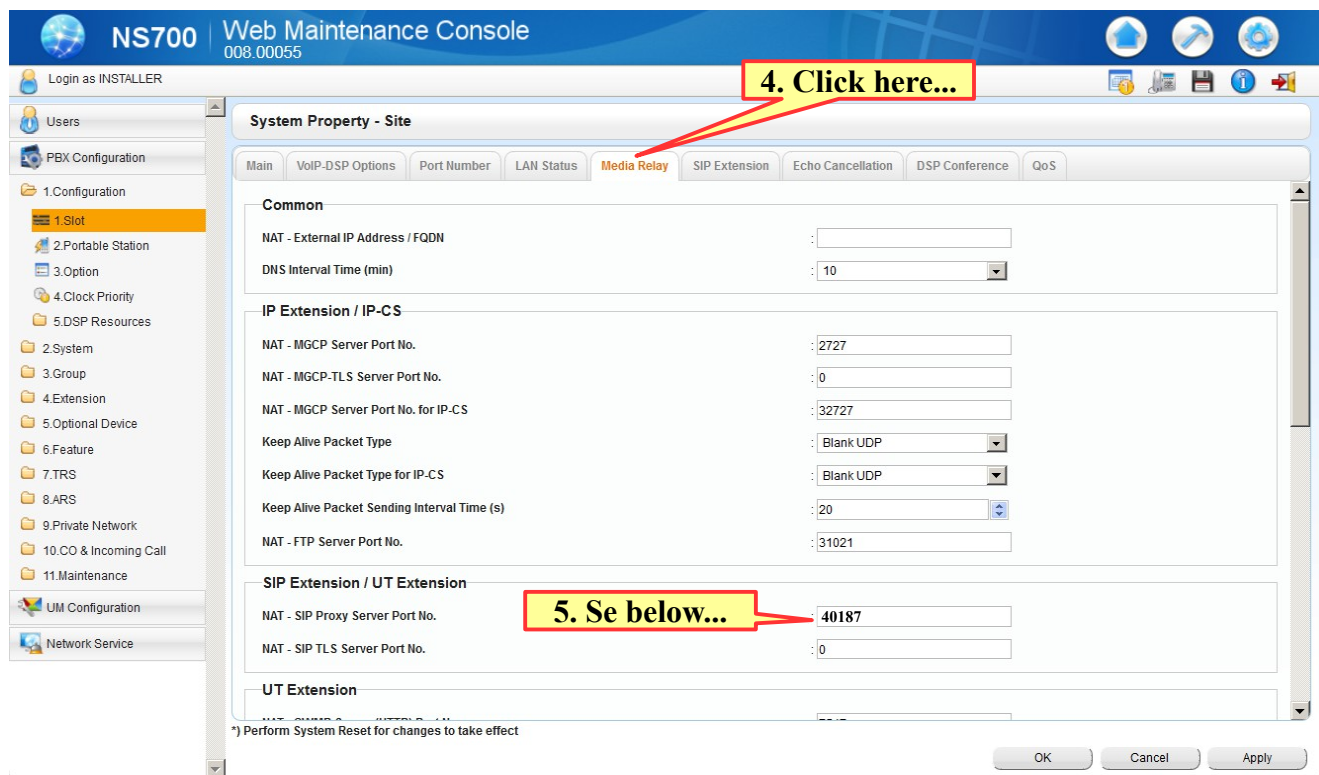
**16000 through 16511 UDP to the LAN IP Address of the DSP Card**



If you can Register OK to the KSU when outside of the LAN but get an error, try this:



This screen will appear:



### Step 5 Info

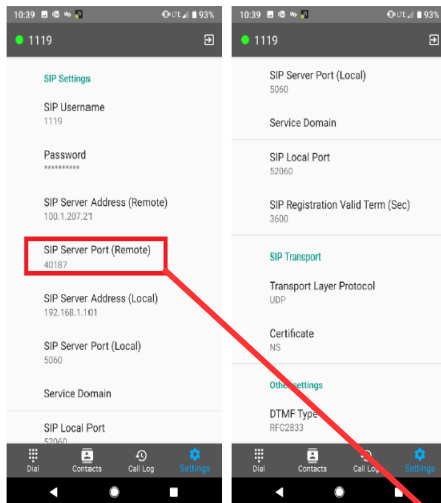
The port used here is up to you.

Panasonic used port 40187 as an example.

Be sure to Open the port that you use (UDP) to the LAN IP Address of the KSU.

## This is programming in the Panasonic MobilPhone

### SIP Settings



#### SIP Username:

This is usually the sip extension and Authentication ID.

#### Password:

This is the password set for the extension in the V-SIPEXT card.

#### SIP Server Address (remote):

This is the global IP address of the MRG function of the PBX.

#### SIP Server Port (remote):

This is the external port set for the SIP Proxy Server of the PBX.

#### SIP Server Address (local):

This is the IP Address of the PBX accessed locally.

#### SIP Server Port (local):

This is the Port using locally for SIP Extensions

#### Service Domain:

This is used ....

#### SIP Local Port:

This is the port used locally on the mobile softphone. It is recommended

SIP Server Port (Remote)  
40187

Here is Panasonic's Official Set Up Link

<https://www.youtube.com/watch?v=F2SAjA3BxMM&t=304s>