GETTING STARTED
PANASONIC KX-NS SERIES

Overview

This document is a reference for configuring the Kwebbl SIP trunk into KX-NS Series systems and includes the settings required for incoming Call DDI routing and Outgoing Call CLI presentation.

Codecs

- G.711 A

FAX

- T.38 not supported.

CLI

- No need for P-Asserted-Identity header and P-Preferred-Identity header.

Table of Content

1. Configuring a SIP Trunk

SIP Trunk – Port Property

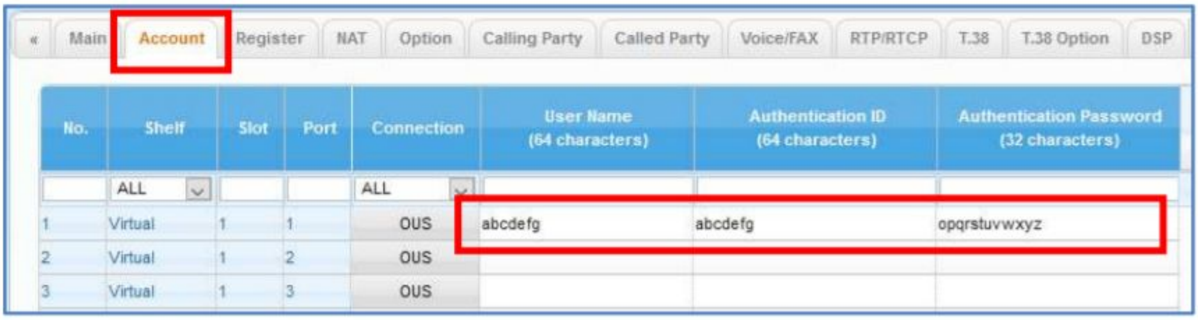
Set the [**V-SIPGW16**] card to [**OUS**] and then select [**Port Property**]

[Main] Tab

1. Channel Attribute: Basic Channel
2. Provider Name: Enter a name – reference only
3. SIP Server Location – Name: 1.trunk.sip.kwebbl.net
4. SIP Server Location – IP Address: Not required
5. SIP Server port Number: Leave at 5060
6. SIP Service Domain: Not required
7. Subscriber Number: Not required

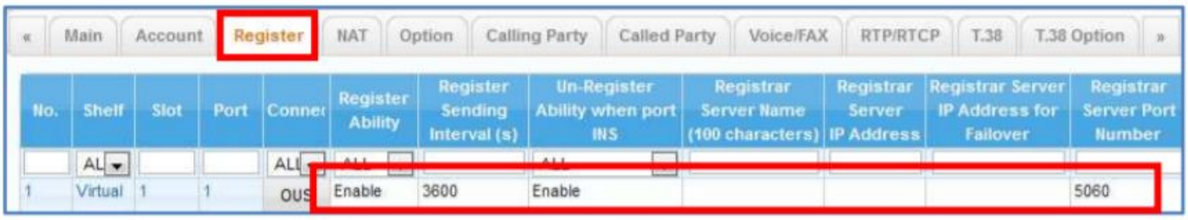
[Account] Tab

1. User name:	Enter the Username (can be found in the panel). (Note this is username without @sip.example.com) For example: Username = abcdefg Enter: abcdefg
2. Authentication ID:	Enter the Authentication ID (can be found in the panel) (Note this is Authentication ID without @sip.example.com) For example: Authentication ID = abcdefg Enter: abcdefg
3. Authentication Password	Enter the password (can be found in the panel) For example: password = opqrstuvwxyz Enter: opqrstuvwxyz



[Register] Tab

1. Register Ability:	Leave enabled
2. Register Interval:	Leave at 3600
3. Un-Register Ability:	Leave enabled
4. Registrar Server – Name:	Not required
5. Registrar Server – IP Address:	Not required
6. Registrar Server port number:	Leave at 5060



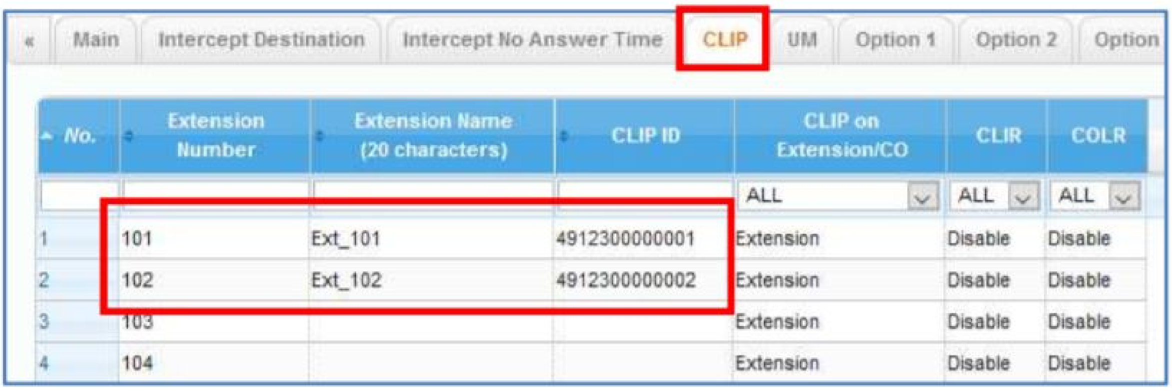
Click [OK] to apply the changes.

2. Outgoing Call CLI

Go to [Calling Party] Tab
From Header – User Part: PBX-CLIP

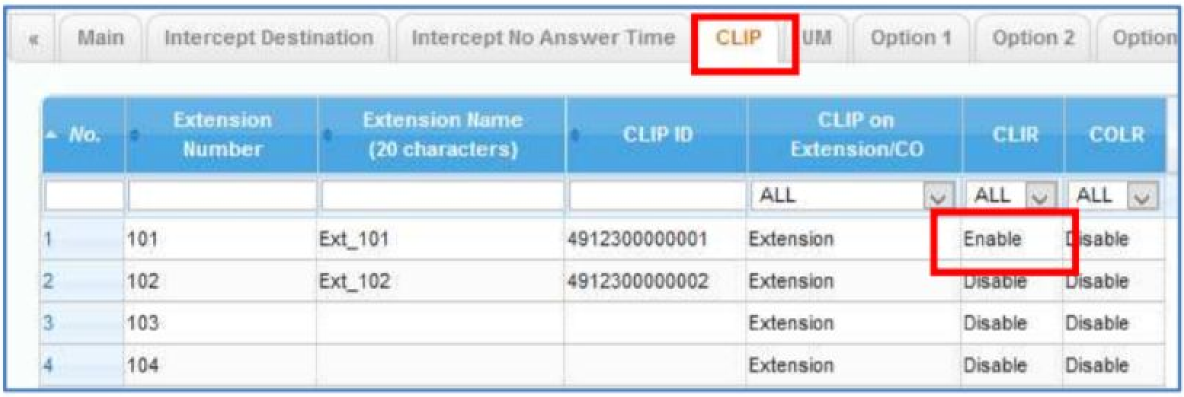
Click [OK] and then set the [V-SIPGW16] card back to [INS].

Go to [4.Extension] – [1.Wired Extension] – [1.Extension Settings] and select [CLIP] tab Enter a valid CLI number for each required extension in the CLIP ID field and then Click [OK]



3. CLIR Outgoing call (Anonymous)

Go to [4.Extension] - [1.Wired Extension] - [1.Extension Settings] and select [CLIP] tab Under CLIR: select Enable and Click [OK].



« | Main | Intercept Destination | Intercept No Answer Time | CLIP | UM | Option 1 | Option 2 | Option

No.	Extension Number	Extension Name (20 characters)	CLIP ID	CLIP on Extension/CO	CLIR	COLR
				ALL	ALL	ALL
1	101	Ext_101	4912300000001	Extension	Enable	Disable
2	102	Ext_102	4912300000002	Extension	Disable	Disable
3	103			Extension	Disable	Disable
4	104			Extension	Disable	Disable

4. Incoming Call Routing

Go to **[CO & Incoming call]** and select **[3.DDI /DID Table]**

1. DDI/DID Number: Enter the DDI number in the format (as below) Example: 4912300000001 (DDI Number) Enter: 4912300000001 (DDI Number)

2. DDI/DID Name: Determined by the installer (optional setting)

3. DDI/DID Destination: Determined by the installer (extension number, group etc)

ID	DDI / DID Number (32 digits)	DDI / DID Name (20 characters)	DDI / DID Destination - Day	DDI / DID Destination - Lunch	DDI / DID Destination - Break	DDI / DID Destination - Night
1	4912300000001	Sales	101	101	101	101
2	4912300000002	Service	102	102	102	102
3						

5. Appendix

UDP hole punching for keeping Port Forwarding

If Kwebbl's **Keep Alive message** (e.g. OPTIONS/BLANK UDP packets) is not effect to keep port forwarding for external router, configure the **BLANK UDP** to enable as keep-alive message on the PBX shelf property.

Set the **[V-SIPGW16]** card to **[OUS]** and then select **[Shelf Property]**

NAT - Keep Alive Packet Sending Ability: Enable
NAT - Keep Alive Packet Sending Interval(s): leave at 20

Note: It is desirable shorter than expire time of router port forwarding.

Click **[OK]** and Select **[INS]** on the **[V-SIPGW16]** card to bring the SIP trunk ports into service.

IMPORTANT!

To secure the PBX from illegal attacks, please restrict the above port forwarding ports to only be accessible from the Kwebbl source IP addresses.