

Application Guide

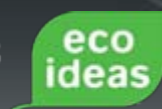
No. 013 (First Edition)

PSNE Technical Support Application Guide

**SIP DOORPHONE
ALFATECH SLIM IPDP
AND NS1000**

Panasonic System Networks Company (UK) Ltd
European Technical Support Centre

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Disclaimer

This solution/product has been confirmed to provide the described level of functionality at the time of testing, however we do not guarantee operation and we are not responsible for changes to Hardware or Software which may affect the suitability of this solution/product.

Up date

Edition	Date of issue	Modification	Note
1 st	12 March. 2012	Original	

The aim of this guide is to support users looking to install a Alfatech SLIM IPDP Doorphone onto an NS1000 as a 3rd party SIP extension.

A UT670 terminal can also be installed onto the NS1000 to allow camera access via web browser.

This guide will take into account that the NS1000 has already been configured and 3rd party SIP Extension activation key has been installed. For details on how to set up an NS1000, please refer to the NS1000 Installation Manual or online training material at <http://www.psn-elearning.com>.

The Alfatech SLIM IPDP Doorphone must also be configured for the same Network according to the user manual provided with the unit.

This guide will show the settings required to add the Doorphone to the NS1000 as a 3rd party extension and register the Doorphone to the NS1000.

Results of Interoperability testing with NS1000

Test#	Tested Feature	Alfatech SLIM IPDP-01C (Antivandal)			Alfatech SLIM IPDP-02C		
		Details	Passed ?	Remarks	Details	Passed ?	Remarks
SIP Credential / Account Support							
1	No. of SIP Accounts Supported	1			1		
2	NS1000 3rd Party Registration		YES			YES	
3	Send DTMF as SIP INFO - UT Series		YES			YES	
4	Send DTMF according to RFC2833 - UT Series		YES			YES	
5	Send DTMF as SIP INFO - NT Series		NO			NO	
6	Send DTMF according to RFC2833 - NT Series		NO			NO	
7	Send DTMF as SIP INFO -SLT		YES			YES	
8	Send DTMF according to RFC2833 - SLT		YES			YES	
Basic Call Support							
9	Make Call from stored number - Day Mode		YES			YES	
10	Make Call from stored number - Night Mode		YES			YES	
11	Make/Receive call - UT Series		YES			YES	
12	Make/Receive call - NT Series		YES			YES	
13	Make/Receive call - SLT		YES	Call was Quiet in SLT handset		YES	Call was Quiet in SLT handset
14	Answer Incoming Call		YES			YES	
15	Hangup Active Call		YES			YES	
16	Call Log		YES	Door Phone Web Portal		YES	Door Phone Web Portal
Features							
17	Door Relay Sensors	2			2		
18	Support for Day / Night mode Relay codes		YES			YES	
19	Internal code from phone configurable	Default 55	YES	2 Digits	Default 55	YES	2 Digits
20	Relay closing time configurable	Default 05 (sec)	YES	2 Digits	Default 05 (sec)	YES	2 Digits
21	Stored numbers in memory / Dial buttons	1	YES		2	YES	
22	Stored numbers Day / Night mode		YES			YES	
Video Support							
23	Video Support using H.263		YES			YES	
24	Video Support using H.264		YES			YES	
25	Support for multiple video sizes		YES			YES	
26	Password protect Video feed		YES			YES	
27	Video supported by UT670	Browser Only	YES * (see note)	No applications to support camera feed*	Browser Only	YES * (see note)	No applications to support camera feed*
28	CA Support (pop-up)		Yes	URL in contact		Yes	URL in contact
Audio Support							
29	Audio Codec Priority 1	G711u			G711u		
30	Audio Codec Priority 2	G711a			G711a		
31	Audio Codec Priority 3	G726-32bit			G726-32bit		
32	Audio Codec Priority 4	GSM			GSM		

Note *

Camera feed only available when URL inserted into web browser.

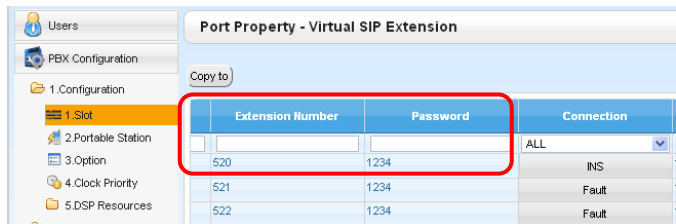
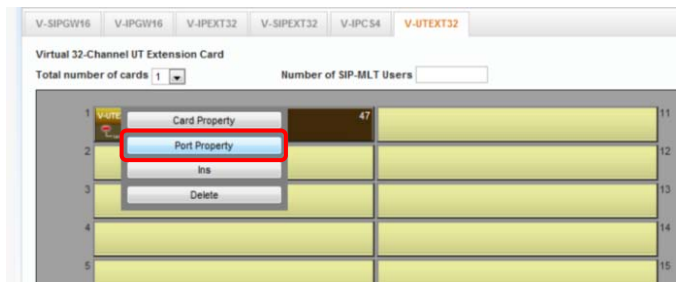
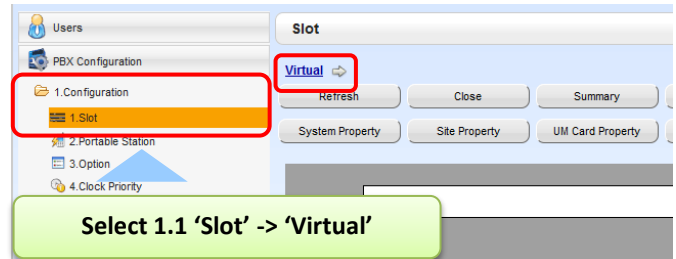
The URL can be added to the UT670 Programmable keys for quick access.

No URL pop-up available.

3rd party application to support Video feed not found.

Creating a 3rd party extension on NS1000

1. As previously mentioned, we will assume that the NS1000 has been pre-configured with network settings and 3rd party SIP Extension activation key installed.
2. Click on Configuration – Slot – Virtual. Install a V-SIPEXT32 card and select the number of cards to 1.
3. Click 'OK' to install the V-SIPEXT32 card. Click on the card and set its status to: 'Out of Service' - OUS.
4. Click on the Card and select 'Port Property'.
5. Set the Ext number of the SIP Doorphone and Password. Click 'Apply', then 'OK'. By Default, the Password is set to '1234'
6. Click on the card and set its status to: 'In Service' - INS.
7. By default, the New extension will be added to User Group 1.
8. Make a note of Extension number, Password, IP Address and SIP Port of NS1000 in preparation for the next section.



1. Log into the Alfatech SLIM IPDP Doorphone web portal as shown in the manual supplied with the unit.

2. Under 'SIP Parameters' menu, add the SIP details of the NS1000:

SIP Proxy Server – IP Address of NS1000

Port – SIP Port of NS1000. Default 5060

SIP Registrar Server – IP Address of NS1000

Port – SIP Port of NS1000. Default 5060

Outbound Proxy – IP Address of NS1000

Port – SIP Port of NS1000. Default 5060

Account Module

Name – Extension number registered in NS1000

Password – Extension Password registered in NS1000

Auth. ID – Extension number registered in NS1000

3. Once the details have been entered, click on Save Changes button. The text below the SIP details should then read 'Registration Successful'.

4. The NS1000 can support both: Send DTMF as SIP INFO and Send DTMF according to RFC2833 options when using a UT series or SLT handset. DTMF is NOT supported when calling a NT series handset.

5. Once registered, move on to the next section, Doorphone Configuration

ALPHD Tech
Night mode

Menu:

- Network setting
- Basic parameters
- **SIP parameters**
- Setting audio
- Setting video
- Relays
- Time parameters
- Memory numbers
- User interface
- Service
- Video
- Help

Language: english [Set]

SIP parameters:

SIP proxy server Address: [xxx.xxx.xxx.xxx]
Port: [5060]

SIP registrar server Address: [xxx.xxx.xxx.xxx]
Port: [5060]

Outbound proxy Address: [xxx.xxx.xxx.xxx]
Port: [5060]

Account module Name: [xxx]
Password: [xxxxxxxxxxxx]
Auth. Id: [xxxxxx]
Expiration [sec]: [600]

Registration successful

Use (180 Ringing):
Use (183 Session progress):
Enable Simmetric RTP:
Send DTMF as SIP INFO:
Send DTMF according to RFC2833:

[default values] [save changes]

To allow the doorphone to call an Extension of the NS1000, the button/buttons on the Doorphone must be pre-programmed. This can be done in the Memory numbers Menu of the Doorphone web portal.

1. Enter the extension number for button 1. Different numbers can be given for both Day and Night modes.
2. Enter the number for buttons 2 – 64, depending on what model doorphone is used.
3. Click the 'Save Changes' button found at the bottom of the page.
4. To make a call from the Doorphone, simply press the button on the front. The programmed extension on the NS1000 will ring.
5. To call the Doorphone from the NS1000, dial the extension number registered for Doorphone. The Doorphone will auto answer the call by default.

Memory numbers:		
	Group DAY	Group NIGHT
Button 1:	<input type="text" value="100"/>	<input type="text" value="100"/>
Button 2:	<input type="text"/>	<input type="text"/>

The 'Basic Parameters' tab can be configured to support:

Code for Day/Night mode,
Code for hang up phone 1 / 2,
Automatic/Manual switching to Day/Night mode,
Doorphone Sensors 1 / 2 On/Off.

As previously mentioned DTMF is NOT supported when calling a NT series handset.

The Alfatech SLIM IPDP Doorphone supports Video. The video output settings can be changed from within the Doorphone web portal – Setting Video. These remained as Default when tested with NS1000.

The video can be viewed from within a web browser by entering the IP Address of the doorphone into the browsers address bar.

This can also be viewed from within a UT670 browser. This is explained in the next section

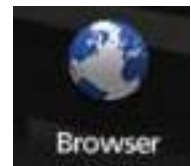
Basic parameters:	
Mode of choice numbers: <input checked="" type="radio"/> Day-Night <input type="radio"/> 2 group of numbers	Prolongation char: <input checked="" type="radio"/> * - star <input type="radio"/> # - hash
Hang up phone: Code for hang up phone 1: <input type="text" value="55"/> Code for hang up phone 2: <input type="text" value="66"/>	Code of switching: Code for switching Day: <input type="text" value="11"/> Code for switching Night: <input type="text" value="10"/>
Switching between Day Night: <input checked="" type="radio"/> Manually <input type="radio"/> Automatic	Mode of keyboard: <input checked="" type="radio"/> Direct choice number (phone) <input type="radio"/> Choice of number from memory
Keyboard to position: <input type="text" value="0"/>	Backlight mode: <input type="radio"/> Off <input checked="" type="radio"/> Auto
Door sensors: <input type="checkbox"/> Sensor 1 <input type="checkbox"/> Sensor 2	

The UT670 support the video feed from the Alfatech SLIM IPDP Doorphone via web browser only. Although numerous applications were tested, none were suitable to support the Motion Jpeg feed of the doorphone. This removes the possibility of video feed 'pop-up' when receiving a call.

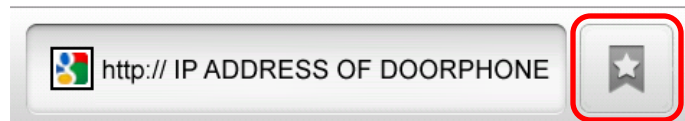


To overcome this, a bookmark or the Doorphone URL can be created within the UT670 and added to the Flexible Keys.

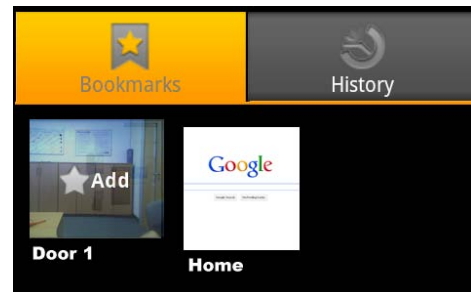
1. On UT670 press 'Home' button to show the Main screen. Click on the Browser Icon to launch the web browser.



2. Add the IP Address of the Doorphone to the address bar. The video feed from the doorphone will be displayed in the browser.

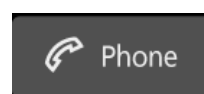


3. Press the Bookmark Icon located to the right of the address bar.



4. When the bookmark manager loads, click the Add to bookmarks button located on the left of the screen.

5. Click on the Phone icon to button the Phone application, then click on the Flexible Keys button to expand the control box.



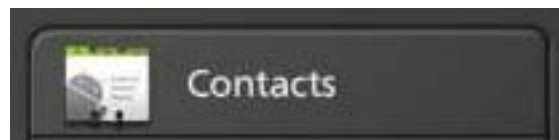
6. Press the Menu button and select 'Start Flexible Button Configuration Mode'. Select an empty button and choose 'Bookmark' from the pop-up.



7. Select the saved bookmark for the Doorphone.

Adding Doorphone to Contacts

1. On the Phone screen, click on Contacts button.
2. Select Add + to create new contact.
3. Enter Extension number of Doorphone and Name as Doorphone 1. Save the contact.



When a call comes into UT670 from Contact 'Doorphone 1', press the Doorphone Bookmark to launch browser and view video feed.

