TCP Connection behind NAT Router

(KX-UT1xx series/248)

No. 12-015

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Ver.1.1

Panasonic Corporation

Abstract about this document

This document describe about setting of TCP connection behind NAT router.

Revision history

Date	Version	Revision	Firmware version
Jun. 22, 2011	Ver. 1.0	Initial Release	All versions
May 25, 2012	Ver. 1.1	Add description about UT248	All versions

<u>Outline</u>

If you use phone using TCP located behind NAT router, it may required to open port of NAT router for port forwarding otherwise sometimes SIP communication cannot be established.
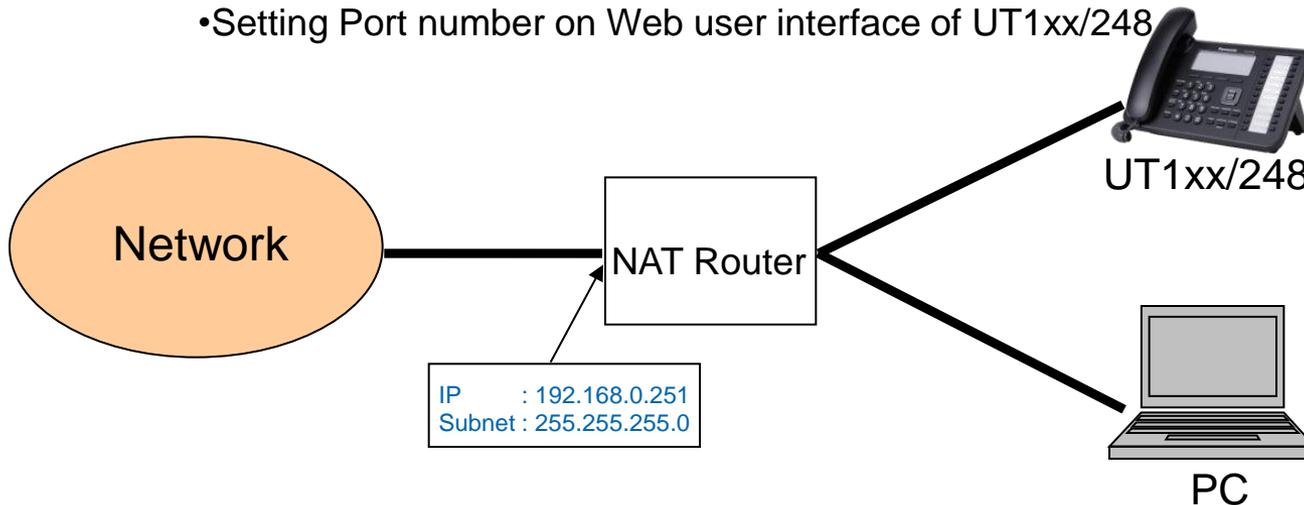
NAT Router settings

Step1: NAT router settings

UT1xx settings

Step2: UT1xx/248 Settings (Static global IP address)

•Setting Static global address on Web user interface of UT1xx/248.
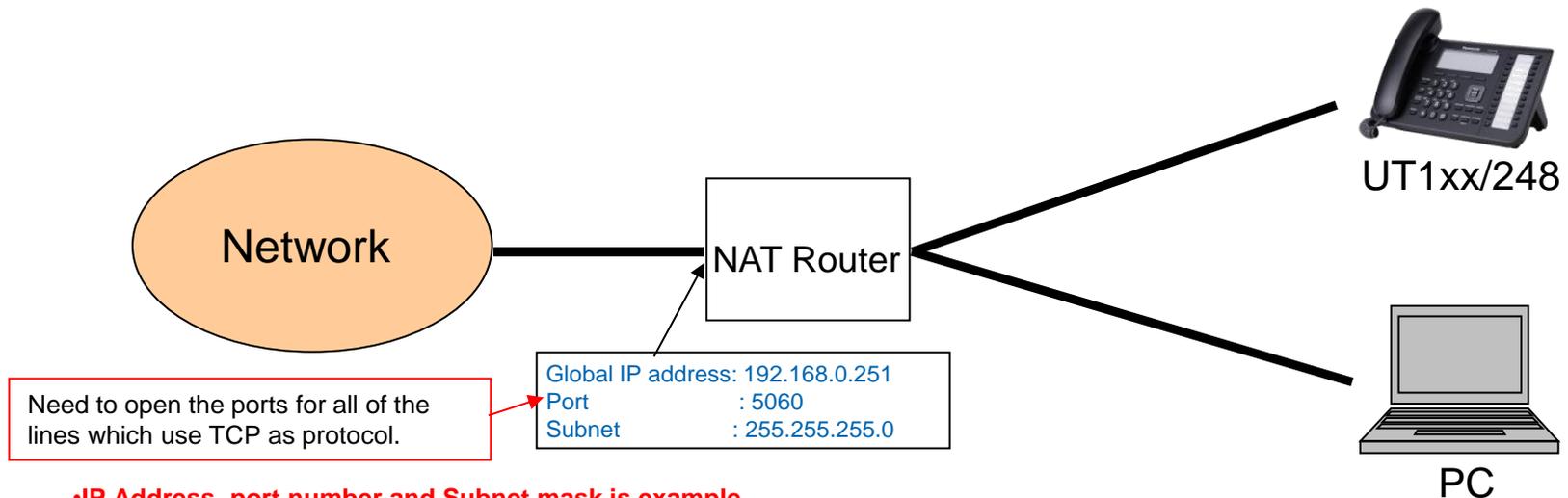
Step3: UT1xx/248 Settings (Port number)

•Setting Port number on Web user interface of UT1xx/248.

UT1xx/248

Network ──── NAT Router

IP   : 192.168.0.251
Subnet : 255.255.255.0

PC

* IP Address and Subnet mask is example.

Step1 NAT Router settings

1. Activate IP Masquerade function of NAT Router

2. Check the global address of NAT Router

3. Open Port of NAT Router connected with network side

Network

NAT Router

UT1xx/248

PC

Global IP address: 192.168.0.251
Port   : 5060
Subnet   : 255.255.255.0

Need to open the ports for all of the
lines which use TCP as protocol.

•**IP Address, port number and Subnet mask is example.**
•**Also, please refer manual of router for how to open port of NAT router.**

Step2 UT1xx/248 settings (Setting Static global address)

Setting Static global address on Web user interface

1. Open Web user interface.

2. Login administrator account.

3. Click [Network] – [static NAPT Settings].

4. Enter "Global IP Address" checked at Step1-2.

5. Select "Yes" to "Enable Global IP Address Usage per Line", you want to use Lines as TCP connection.

6. Click [Save].

Step3 UT1xx/248 settings (Setting Port number)

Setting Port number on Web user interface

1. Click [VoIP].

2. Click [-Line *] selected "Yes" at Step2-5 of previous page.

3. Enter Port number opened at Step1-3 to "SIP Source Port".

4. Click [Save].

THE SETTING WAS COMPLETED!

Access the Web user interface

1. Confirm the IP address of KX-UT1xx/248.

1-1 : [Setting] or [Setup] (Left soft key) → select [Information Display]
→ [Enter] → [Down] (joystick)

1-2 : Confirm the IP address displayed on LCD.

2. Embedded Web.

2-1 : [Setting] or [Setup] (Left soft key) → select [Network setting]
→ [Enter] →select [Embedded web] → [Enter] → select [On] → [Enter]

3. Access the Web user interface.

3-1 : Open your Web browser.

3-2 : Enter your KX-UT1xx/248 URL to Web browser
(http://your KX-UT1xx/248 IP address) .

3-3 : Enter user name (admin) and password (adminpass) and click "OK".

3-4 : The Web user interface window is displayed.
Configure the settings for the unit as desired.