

# **Remote Access to Embedded WEB by NAT Port Forwarding**

(KX-UDS/UDT series)

No. 42-016

September 28 , 2012

Ver.1.0

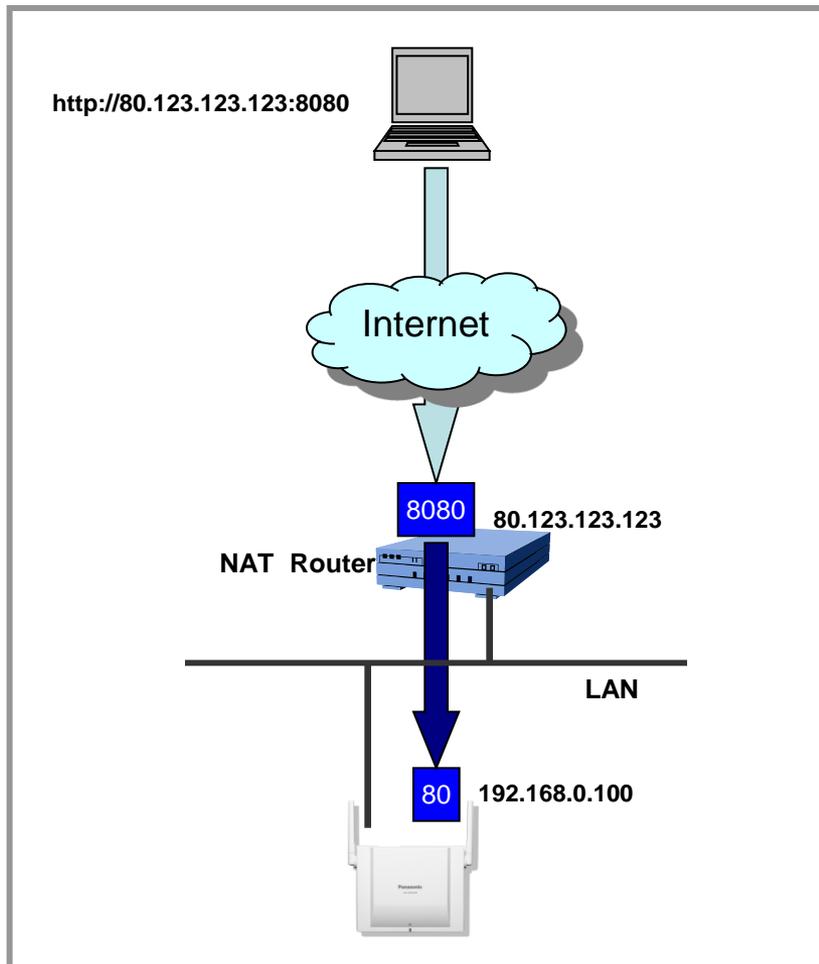
Panasonic Corporation

## Abstract about this document

This document describes about how to access to the WEB interface of phone which is located behind the router with NAT.

## Revision history

Date	Version	Revision	Firmware version
Sep 28, 2012	Ver. 1.0	Initial Release	All versions



**Port forwarding** are well-known technologies for enabling internet remote access to local devices behind NAT router or firewall.

And special setting is required for accessing to the device behind NAT router.

Please refer to the following section for the setting method for Port forwarding to access to device behind NAT router.

1. UDS settings
2. NAT Router settings
3. Remote Access to Embedded WEB

# 1. UDS settings : Confirm IP address and embedded web

1-1. Confirm the IP address of KX-UDS.

Refer to page 7,8.

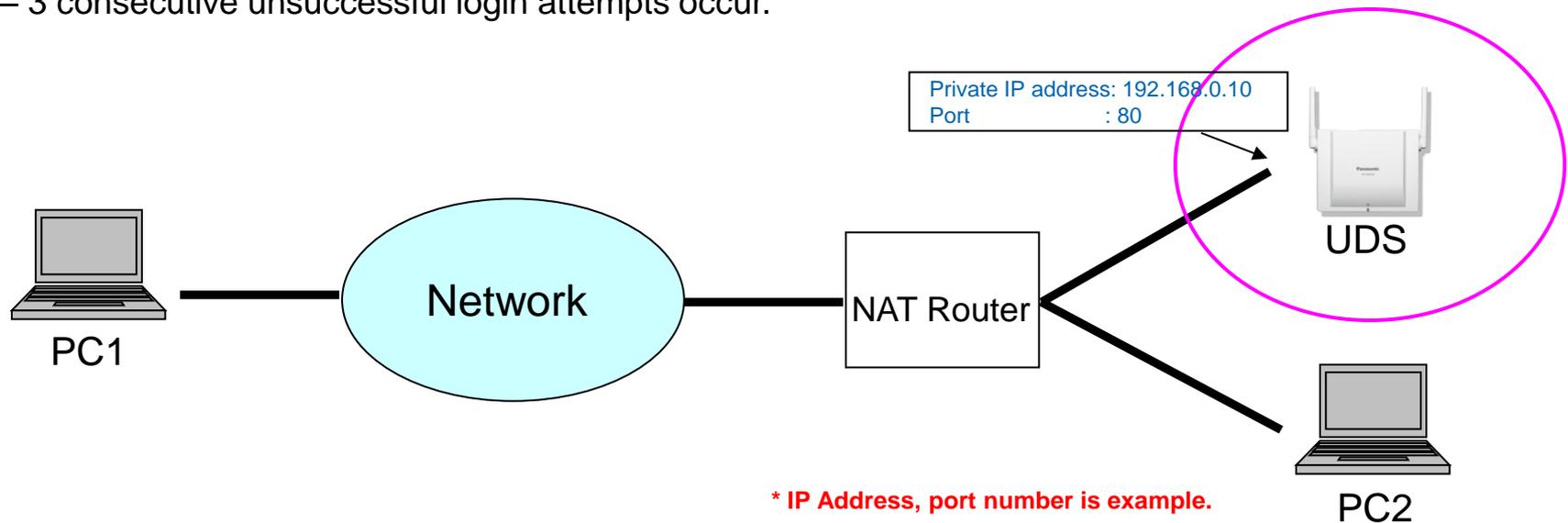
1-2. Embedded Web.

Refer to page 9

## NOTE!

The Web port of the unit will be closed automatically in the following conditions:

- The port close timer configured through the Web user interface expires (default 30 minutes).
- 3 consecutive unsuccessful login attempts occur.

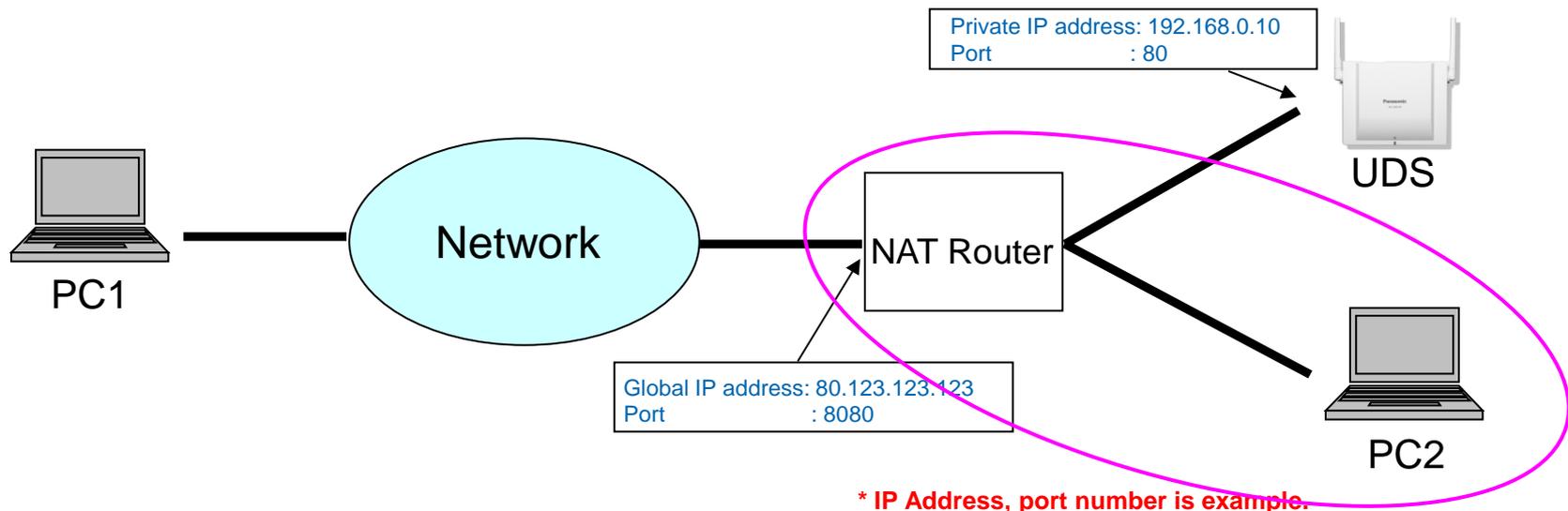


## 2. NAT Router settings for port forwarding

- 2-1. Access to the WEB user interface of NAT router by PC2.
- 2-2. Check the global IP address
- 2-3. Open "Port Forwarding (example)" page
- 2-4. Set the open WAN port number and select protocol (TCP,UDP)
- 2-5. Set the IP address (confirmed by 1-1) and port number (80) of UDS.

For details about the settings, see the manual of NAT router.

\*If you want to access all CSs, you need to register IP address of all CSs to NAT router.



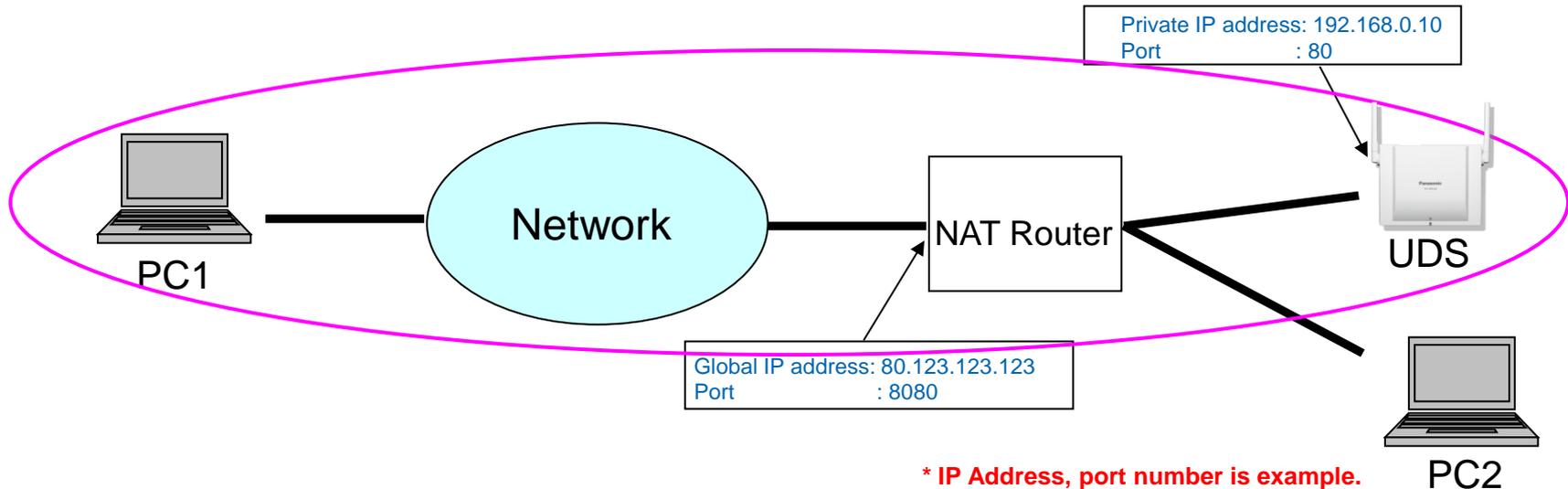
# 3. Remote Access to Embedded WEB from outside of NAT router

Operations of PC1.

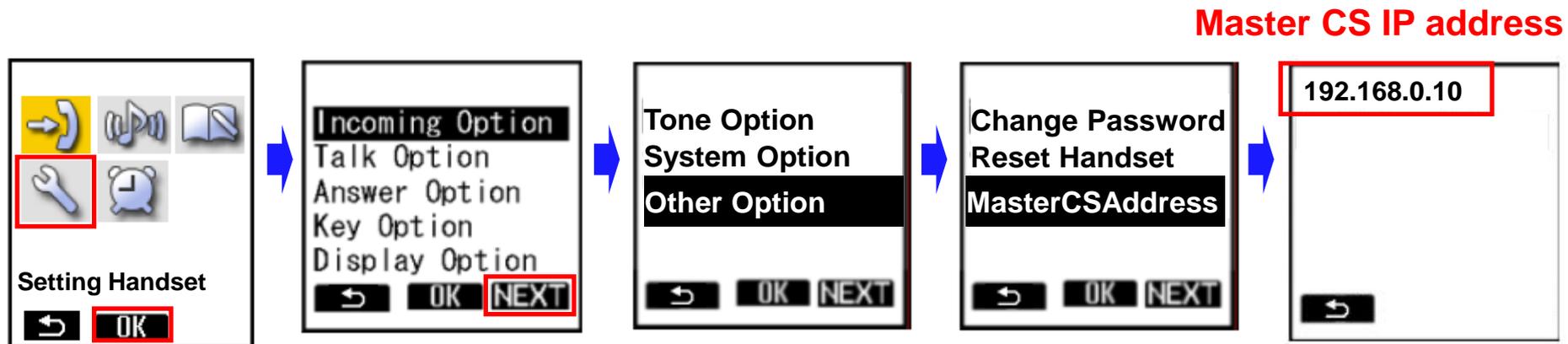
- 1 : Open your Web browser.
- 2 : Enter NAT router URL (global IP address) and port number to Web browser (http://NAT\_router\_URL:port number) .

Then the authentication screen of UDS is opened.

- 3 : Enter user name (admin) and password (adminpass) and click "OK".
- 4 : The Web user interface window is displayed.  
Configure the settings for the unit as desired.



# Appendix : How to confirm IP Address of Super Master CS



1. Turn on the PS.
2. Press [Menu] or the [CENTER] navigation key.
3. Select **"Setting Handset"** and then press [OK].
4. Press [NEXT].
5. Select **"Other Option"** and then press [OK].
6. Select **"MasterCSAddress"** and the press [OK].
  - Display the Master CS IP address.

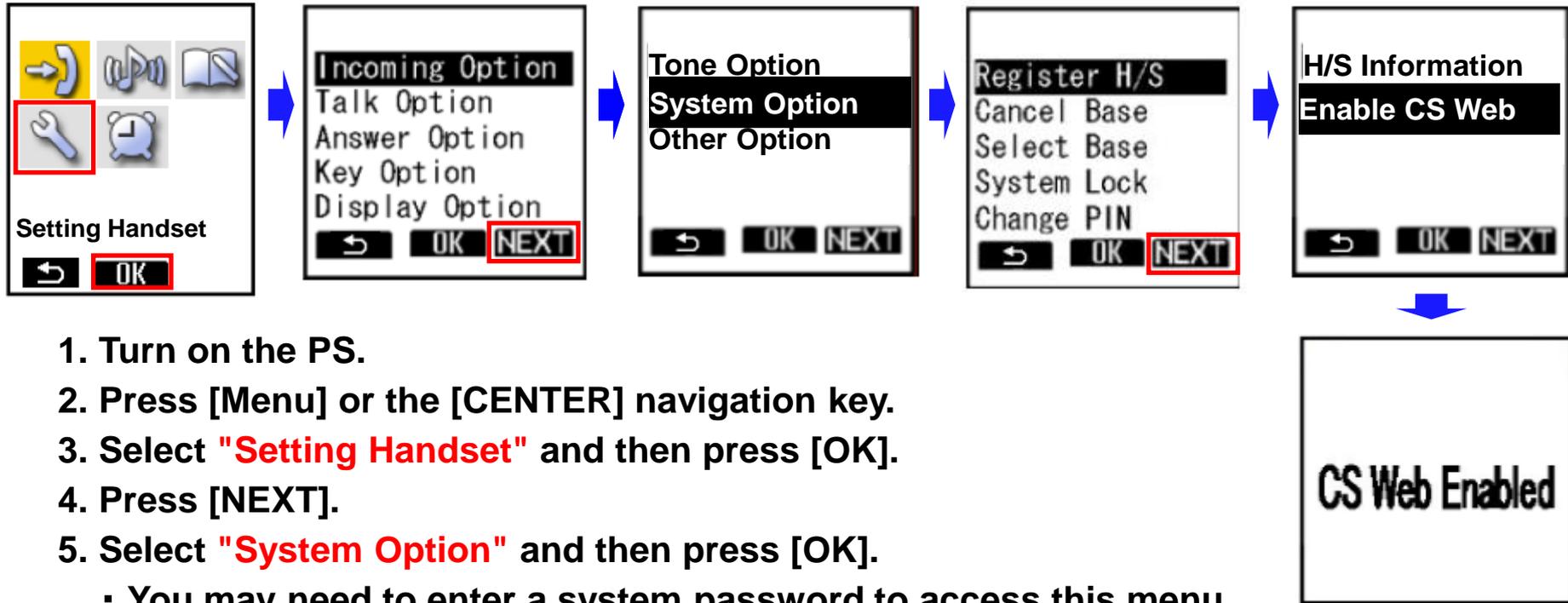
# Appendix : How to confirm IP Address of CS (except Super Master CS)

The screenshot displays the web interface for a SIP CS KX-UDS124CE. The top navigation bar includes tabs for Status, Network, System, VoIP, Telephone, and Maintenance. The 'Network' tab is selected. On the left, a 'System' menu is visible, with 'CS Management' highlighted. The main content area is titled 'CS Management' and contains sections for 'CS Registration' and 'CS Registered List'. In the 'CS Registration' section, the 'Air Sync Group' dropdown is set to '1'. Below this, there are buttons for 'Start CS Registration', 'Stop CS Registration', and 'Delete CS Registration'. The 'CS Registered List' section shows a table with the following data:

No.	Index	CS Name CS ID	MAC Address IP Address	CS Class	Remote Login
1	1	CS1 0018E6E900	00.80.F0.E9.76.46 192.168.1.100	Master	
<input type="checkbox"/>	2	CS2 01973040A0	00.80.F0.E9.73.76 192.168.1.96	Slave	Login
<input type="checkbox"/>	3	CS3 0018E5FD00	00.80.F0.D7.55.CC 192.168.1.91	Slave	Login
	4				
	5				

1. Log in to the Super Master CS.
2. In the [System] tab, select [CS Management].
3. Select the Air Sync Group.
4. List of registered CS is displayed.  
Please check IP address.

# Appendix : How to Open the CS Web port



1. Turn on the PS.
2. Press [Menu] or the [CENTER] navigation key.
3. Select **"Setting Handset"** and then press [OK].
4. Press [NEXT].
5. Select **"System Option"** and then press [OK].
  - You may need to enter a system password to access this menu.
6. Press [NEXT] to display the second screen, select **"Enable CS Web"**, and then press [OK].
7. When the operation is complete, "CS Web Enabled" is displayed.