

# Provisioning using HTTPS protocol

(KX-UT670)

No. 22-010

Dec 22 , 2011

Ver.1.0

Panasonic Corporation

## Abstract about this document

This document describe about provisioning using HTTPS protocol.

## Revision history

Date	Version	Revision	Firmware version
Dec 22, 2011	Ver. 1.0	Initial Release	All versions

# Behavior

Configuration file name and certificate file name are example.



UT670



File server



https server

## STEP1

Set the parameter "Master File URL" through WEB user interface (Refer to Page 4)

Success!

(Refer to Page5)

MasterConfig.cfg



```
HTTP_SSL_VERIFY="2"  
CFG_ROOT_CERTIFICATE_PATH="xxxxxx/Certificate.crt"  
CFG_STANDARD_FILE_PATH="https://xxxxxx/Config{MAC}.cfg"
```

## STEP2

UT670 automatically download the certificate file "Certificate.crt" from File server. "Certificate.crt" is specified by "MasterConfig.cfg"

UT670 automatically reboot ,  
When UT670 download the  
certificate file.

Certificate.crt



## STEP3

UT670 automatically download the configuration file "Config{MAC}.cfg" from https server. "Config{MAC}.cfg" is specified by "MasterConfig.cfg"

Config{MAC}.cfg



# WEB User Interface setting

\*Configuration file name is example.

The screenshot shows the 'Provisioning Maintenance' configuration page for a KX-UT670NE device. The page has a navigation bar with tabs for 'Status', 'Network', 'System', 'VoIP', 'Telephone', and 'Maintenance'. The 'Maintenance' tab is selected. On the left, there is a sidebar with options: 'Firmware Maintenance', 'Provisioning Maintenance', 'Reset to Defaults', and 'Restart'. The 'Provisioning Maintenance' option is selected. The main content area contains the following settings:

Provisioning Maintenance	
Enable Provisioning	<input checked="" type="radio"/> Yes <input type="radio"/> No
Standard File URL	<input type="text"/>
Product File URL	<input type="text"/>
Master File URL	<input type="text" value="xxxxxx/MasterConfig.cfg"/>
Cyclic Auto Resync	<input type="radio"/> Yes <input checked="" type="radio"/> No
Resync Interval	<input type="text" value="10080"/> minute(s) [1-40320]
Header Value for Resync Event	<input type="text" value="check-sync"/>

At the bottom of the form, there are 'Save' and 'Cancel' buttons.

1. Enter the IP address into a PC's Web Browser.  
(Refer to final page "How to access Web User Interface")
2. Login as "Administrator".
3. Move to [Maintenance] – [Provisioning Maintenance] screen.
4. Enter the file path in "Master File URL"
5. Click [Save].

# Configuration file setting

```
# PCC Standard Format File # DO NOT CHANGE THIS LINE

HTTP_SSL_VERIFY="2"
CFG_ROOT_CERTIFICATE_PATH="xxxxxx/Certificate.crt
CFG_STANDARD_FILE_PATH="https://xxxxxx/Config{MAC}.cfg"
```

1. Please make a configuration file that sets the above settings.
2. Apply Configuration file into UT670

## Meaning of HTTP\_SSL\_VERIFY

<b>Value Format</b>	Integer
<b>Description</b>	Specifies whether to enable the verification of the root certificate.
<b>Value Range</b>	<ul style="list-style-type: none"><li>• 0 (No verification of root certificate)</li><li>• 1 (Simple verification of root certificate)</li><li>• 2 (Precise verification of root certificate)</li></ul> <p><b>Note</b></p> <ul style="list-style-type: none"><li>• If set to "0", the verification of the root certificate is disabled.</li><li>• If set to "1", the verification of the root certificate is enabled. In this case, the validity of the certificate's date, certificate's chain, and the confirmation of the root certificate will be verified.</li><li>• If set to "2", precise certificate verification is enabled. In this case, the validity of the server name will be verified in addition to the items verified when "1" is set.</li><li>• If the unit has not obtained the current time, verification will not be performed irrelevant of this setting. In order to perform verification it is necessary to first set up the NTP server.</li></ul>
<b>Default Value</b>	0

# How to access Web user interface

## 1. Confirm the IP address of KX-UT670.

1-1 : [Menu] ( Upper left of sheet key) →[Settings] → [About phone] → [Status]

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

## 2. Embedded Web.

2-1 : [Menu] ( Upper left of sheet key) →[Settings] → [Network]  
→[Embedded web] →select [On]

## 3. Access the Web user interface.

3-1 : Open your Web browser.

3-2 : Enter your KX-UT670 URL to Web browser  
(<http://your KX-UT670 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.