

# Supplement for Administrator Guide



**SIP Phone**

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Model No. **KX-HDV100**

Please use this supplement manual together  
with the latest English Administrator Guide.

# 1. Additional Information for Specifying the Server Address

## 1.1 Basic format

Format: <scheme>://<user>:<password>@<host>:<port>/<url-path>/<file name>

- \* The server name (<host>) may be the IP address or the domain.
- \* Maximum length: 384 characters

## 1.2 Macros used with file names

| Macro Format {XXXX} | Macro Expansion                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| {MAC}               | If the URL contains {MAC}, it will be replaced with the device's MAC address in uppercase letters.<br>Example: {MAC} → 0080F0C571EB |
| {mac}               | If the URL contains {mac}, it will be replaced with the device's MAC address in lowercase letters.<br>Example: {mac} → 0080f0c571eb |
| {MODEL}             | If the URL contains {MODEL}, it will be replaced with the device's model name.<br>Example: {MODEL} → KX-HDV100                      |
| {fwver}             | If the URL contains {fwver}, it will be replaced with the device's firmware version.<br>Example: {fwver} → 01.000                   |

### Note

- Macros distinguish between uppercase and lowercase letters.
- Macros not specified above will be treated as strings of characters.

## 1.3 Target WEB Settings/Configuration Parameters

| WEB Setting       | Configuration Parameter    |
|-------------------|----------------------------|
| DHCP Host Name    | DHCP_HOST_NAME             |
| Standard File URL | CFG_STANDARD_FILE_PATH     |
| Product File URL  | CFG_PRODUCT_FILE_PATH      |
| Master File URL   | CFG_MASTER_FILE_PATH       |
| -                 | CFG_ROOT_CERTIFICATE_PATH  |
| -                 | CFG_CLIENT_CERT_PATH       |
| -                 | CFG_PKEY_PATH              |
| Firmware File URL | FIRM_FILE_PATH             |
| HTTP User Agent   | HTTP_USER_AGENT            |
| -                 | LDAP_ROOT_CERT_PATH        |
| -                 | LDAP_CLIENT_CERT_PATH      |
| -                 | LDAP_PKEY_PATH             |
| -                 | LANGUAGE_PATHx             |
| -                 | WEB_LANGUAGE_PATHx         |
| User Agent        | SIP_USER_AGENT             |
| -                 | SIP_TLS_ROOT_CERT_PATH     |
| -                 | SIP_TLS_CLIENT_CERT_PATH   |
| -                 | SIP_TLS_PKEY_PATH          |
| -                 | POWER_ON_DISPLAY_LOGO_PATH |

# 2. Additional Information for Specifying the LDAP Server

Add "ldap://" or "ldaps://" before the LDAP server address.

(Example) LDAP\_SERVER="ldap://141.170.10.178"

# KX-HDV100 Software File Version 02.040 or later

## 1. 4.5.4 VoIP Settings [Line 1]

Change the followings in " [SRTP Mode](#) " on page 117

(Before)

|             |                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• SRTP</li><li>• RTP/SRTP</li></ul> <p><u>Note</u></p> <ul style="list-style-type: none"><li>• When RTP/SRTP is selected, operation is in RTP mode.</li></ul> |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(After)

|             |                                                                                                                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• SRTP</li><li>• RTP/SRTP</li></ul> <p><u>Note</u></p> <ul style="list-style-type: none"><li>• RTP/SRTP: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls.</li></ul> |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 2. 5.3.23 SRTP Settings

Change the followings in " [SRTP\\_CONNECT\\_MODE\\_n](#) " on page 235

(Before)

|             |                                                                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• 0: SRTP</li><li>• 1: RTP/SRTP</li></ul> <p><u>Note</u></p> <ul style="list-style-type: none"><li>• When RTP/SRTP is selected, operation is in RTP mode.</li></ul> |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(After)

|             |                                                                                                                                                                                                                                                                                          |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• 0: SRTP</li><li>• 1: RTP/SRTP</li></ul> <p><u>Note</u></p> <ul style="list-style-type: none"><li>• 0: Use only SRTP for outgoing and incoming calls.</li><li>• 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls.</li></ul> |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 3. 5.3.28 Call Control Settings

Add the following configuration parameter.

### [VM\\_SUBSCRIBE\\_SPECIFIC\\_n](#)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Parameter Name Example | VM_SUBSCRIBE_SPECIFIC_1                         |
| Value Format           | STRING                                          |
| Description            | Specifies the defined name of a voice mail box. |
| Value Range            | Max. 32 characters                              |
| Default Value          | Empty string                                    |

Add the following configuration parameter.

### [SHARED\\_STOP\\_LINE\\_SEIZE](#)

|               |                                                                                                |
|---------------|------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                        |
| Description   | Specifies whether to stop seizing the line of the Shared Call at the unit side or not.         |
| Value Range   | <ul style="list-style-type: none"><li>• Y: Stop seizing line</li><li>• N: Seize line</li></ul> |
| Default Value | N                                                                                              |

# KX-HDV100 Software File Version 02.067 or later

## 1. 5.3.1 System Settings

Add the following configuration parameter.

### **FWD\_DND\_MENU\_ENABLE**

|               |                                                               |
|---------------|---------------------------------------------------------------|
| Value Format  | BOOLEAN                                                       |
| Description   | Specifies whether the "Fwd/DND" setting is displayed in MENU. |
| Value Range   | *Y: Displayed<br>*N: Not displayed                            |
| Default Value | Y                                                             |

### **BLOCK\_ANONY\_MENU\_ENABLE**

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                               |
| Description   | Specifies whether the "Block Anonymous" setting is displayed in MENU. |
| Value Range   | *Y: Displayed<br>*N: Not displayed                                    |
| Default Value | Y                                                                     |

### **ANONY\_CALL\_MENU\_ENABLE**

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                              |
| Description   | Specifies whether the "Anonymous Call" setting is displayed in MENU. |
| Value Range   | *Y: Displayed<br>*N: Not displayed                                   |
| Default Value | Y                                                                    |

### **TIME\_ZONE\_SET\_ENABLE**

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| Value Format  | BOOLEAN                                                         |
| Description   | Specifies whether the "Time Zone" setting is displayed in MENU. |
| Value Range   | *Y: Displayed<br>*N: Not displayed                              |
| Default Value | N                                                               |

## 2. 5.3.17 NAT Settings

Add the following configuration parameter.

### **EXTERNAL\_RTP\_PORTx**

|               |                                                                        |
|---------------|------------------------------------------------------------------------|
| Value Format  | INTEGER                                                                |
| Description   | x=1-3<br>Specifies the port number of the router in Static NAT status. |
| Value Range   | 0, 1024-59998 (only even ports)<br>0: Disable                          |
| Default Value | 0                                                                      |

### 3. 5.3.18 SIP Settings

Add the following configuration parameter.

#### SIP\_REPLACE\_ENABLE\_n

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| Parameter Name Example | SIP_REPLACE_ENABLE_1                                          |
| Value Format           | BOOLEAN                                                       |
| Description            | Specifies whether to use "Replaces Header".                   |
| Value Range            | •Y: Use "Replaces Header"<br>•N: Do not use "Replaces Header" |
| Default Value          | Y                                                             |

#### SIP\_INC\_INVITE\_RTP\_MODE\_n

|                        |                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Parameter Name Example | SIP_INC_INVITE_RTP_MODE_1                                                                                                  |
| Value Format           | INTEGER                                                                                                                    |
| Description            | Specifies whether to send RTP after receiving a second INVITE.                                                             |
| Value Range            | •0: Start receiving RTP after receiving a second INVITE<br>•1: Start sending/receiving RTP after receiving a second INVITE |
| Default Value          | 0                                                                                                                          |

### 4. 5.3.19 SIP-TLS Settings

Add the following configuration parameter.

#### SIP\_TLS\_RANDOM\_PORT

|               |                                                                                                                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                                                                                                                                              |
| Description   | Specifies whether to assign a random port (ephemeral port) number or a static port number.<br>Note<br>•All lines that use SIP-TLS are defined by this parameter.<br>•UDP/TCP ports are unaffected by this parameter. |
| Value Range   | •Y: Assign a random TLS port number<br>•N: Assign a static TLS port number (Refer to SIP_SRC_PORT_n)                                                                                                                 |
| Default Value | Y                                                                                                                                                                                                                    |

## 5. 5.3.24 VQ Report by PUBLISH

Add the following configuration parameter.

### VQREPORT\_SEND\_OPT\_CODEC\_ENABLE

|               |                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                                |
| Description   | Specifies whether to enable the sending of VQREPORT (SIP-PUBLISH) when the codec is changed.           |
| Value Range   | •Y: Send VQREPORT when a change of codec is detected<br>•N: Send VQREPORT at the end of a conversation |
| Default Value | N                                                                                                      |

### VQREPORT\_SEND\_OPT\_NW\_CHANGE

|               |                                                                                                                                                                                                                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Format  | INTEGER                                                                                                                                                                                                                                                                                                                                                               |
| Description   | Specifies the number of consecutive times the MOS (Mean Opinion Score) value may fall below the threshold value specified by either ALERT_REPORT_MOSQ_CRITICAL or ALERT_REPORT_MOSQ_WARNING before the phone sends VQREPORT.<br>The ALERT_REPORT_TRIGGER setting determines whether ALERT_REPORT_MOSQ_CRITICAL or ALERT_REPORT_MOSQ_WARNING is used as the threshold. |
| Value Range   | 0-5<br>(The number of consecutive times. 0:Disable)<br><u>Note</u><br>If "2" is specified and the MOS value falls within the threshold 2 consecutive times, VQREPORT is sent.                                                                                                                                                                                         |
| Default Value | 0                                                                                                                                                                                                                                                                                                                                                                     |

## 6. 5.3.25 Telephone Settings

Add the following configuration parameter.

### CNIP\_FROM\_ENABLE

|               |                                                                                                                      |
|---------------|----------------------------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                                              |
| Description   | Specifies whether to use the 'FROM' header or the 'PAI' header in CNIP (Calling Number Identification Presentation). |
| Value Range   | •Y: Use 'FROM' header<br>•N: Use 'PAI' header                                                                        |
| Default Value | N                                                                                                                    |

### IDLE\_DISPLAY\_TYPE

|               |                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------|
| Value Format  | INTEGER                                                                                                                 |
| Description   | Specifies what is shown on the display in standby mode.                                                                 |
| Value Range   | •0:Off<br>•1:Phone Number<br>•2:Phone Number&Name<br>•3:Name<br><u>Note</u><br>"Name" is the display name for the line. |
| Default Value | 3                                                                                                                       |

## 7. 5.3.28 Call Control Settings

Add the following configuration parameter.

### FWD\_SYNCHRO\_FORCE\_DISABLE\_n

|                        |                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------|
| Parameter Name Example | FWD_SYNCHRO_FORCE_DISABLE_1                                                             |
| Value Format           | BOOLEAN                                                                                 |
| Description            | Specifies whether to synchronize the Call Forward settings in FWD_DND_SYNCHRO_ENABLE_n. |
| Value Range            | *Y: Do not synchronize<br>*N: Synchronize                                               |
| Default Value          | N                                                                                       |

### CONF\_SERVER\_HOLD\_ENABLE

|               |                                                                           |
|---------------|---------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                   |
| Description   | Specifies whether to hold the call when connecting an N-party conference. |
| Value Range   | *Y: Hold the call<br>*N: Do not hold the call                             |
| Default Value | N                                                                         |

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## 1. 4.2.2 Network Status

Change the followings in " **Setting Mode** " on page 71.

(Before)

|             |                                                                                           |
|-------------|-------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• Disable</li><li>• LLDP</li><li>• Manual</li></ul> |
|-------------|-------------------------------------------------------------------------------------------|

(After)

|             |                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• Disable</li><li>• LLDP</li><li>• CDP</li><li>• LLDP/CDP</li><li>• Manual</li></ul> |
|-------------|----------------------------------------------------------------------------------------------------------------------------|

## 2. 4.3.2 Ethernet Port Settings

Add the following WEB setting.

### Enable CDP

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Description                  | Selects whether to enable the CDP feature.                         |
| Value Range                  | <ul style="list-style-type: none"><li>• Yes</li><li>• No</li></ul> |
| Default Value                | No                                                                 |
| Configuration File Reference | CDP_ENABLE                                                         |

### Packet Interval

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| Description                  | Specifies the interval, in seconds, between sending CDP frames. |
| Value Range                  | 1-3600                                                          |
| Default Value                | 30                                                              |
| Configuration File Reference | CDP_INTERVAL                                                    |

## 3. 4.6.1 Call Control

Add the following WEB setting.

### Private Hold

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Description                  | Selects whether to enable or disable private hold.                 |
| Value Range                  | <ul style="list-style-type: none"><li>• Yes</li><li>• No</li></ul> |
| Default Value                | No                                                                 |
| Configuration File Reference | PRIVATE_HOLD_ENABLE                                                |



#### 4. 5.3.1 System Settings

Add the following configuration parameter.

##### AUTO\_INPUT\_KEY\_TIME

|               |                                                                                                                         |
|---------------|-------------------------------------------------------------------------------------------------------------------------|
| Value Format  | INTEGER                                                                                                                 |
| Description   | Specifies the number of seconds after which the cursor automatically moves to the next position during character input. |
| Value Range   | 0–3<br>[0: off]                                                                                                         |
| Default Value | 0                                                                                                                       |

##### START\_DIAL\_POUND\_KEY

|               |                                                                                             |
|---------------|---------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                     |
| Description   | Specifies whether to send the dialed number when the '#' key is pressed during pre-dialing. |
| Value Range   | •Y: Enable dialing by using '#'<br>•N: Disable                                              |
| Default Value | N                                                                                           |

##### CALL\_SETTINGS\_MENU\_ENABLE

|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                             |
| Description   | Specifies whether the "Call Settings" setting is displayed in MENU. |
| Value Range   | •Y: Displayed<br>•N: Not displayed                                  |
| Default Value | Y                                                                   |

##### DELAY\_RING\_TIME\_n

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| Parameter Name Example | DELAY_RING_TIME_1                                               |
| Value Format           | INTEGER                                                         |
| Description            | Specifies the length of time, in seconds, until the unit rings. |
| Value Range            | 0–30<br>0: Disable                                              |
| Default Value          | 0                                                               |

##### OFF\_HOOK\_MONITOR\_ENABLE

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                               |
| Description   | Specifies whether to enable or disable the Off-hook Monitor function. |
| Value Range   | •Y: Enable Off-hook Monitor<br>•N: Disable                            |
| Default Value | Y                                                                     |

## PRIVATE\_HOLD\_ENABLE

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| Value Format                 | BOOLEAN                                              |
| Description                  | Specifies whether to enable or disable private hold. |
| Value Range                  | *Y: Enable private hold<br>*N: Disable               |
| Default Value                | N                                                    |
| Web User Interface Reference | Private Hold                                         |

## CONF\_OWNER\_OUT\_ENABLE

|               |                                                                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                                                                                                                        |
| Description   | Specifies whether to allow the remaining two parties in a three-party conference to continue the conversation if the conference originator leaves the conference call (Unattended Conference). |
| Value Range   | *Y: Enable Unattended Conference<br>*N: Disable                                                                                                                                                |
| Default Value | N                                                                                                                                                                                              |

## PCAP\_ENABLE

|               |                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                            |
| Description   | Specifies whether to enable or disable packet capturing using the Wireshark utility (PCAP Remote). |
| Value Range   | *Y: Enable PCAP Remote<br>*N: Disable                                                              |
| Default Value | N                                                                                                  |

## PCAP\_REMOTE\_ID

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| Value Format  | STRING                                                                                                     |
| Description   | Specifies the ID of the IP phone whose packets will be captured using the Wireshark utility (PCAP Remote). |
| Value Range   | 1-16 characters                                                                                            |
| Default Value | Empty string                                                                                               |

## PCAP\_REMOTE\_PASS

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Value Format  | STRING                                                                                                           |
| Description   | Specifies the password of the IP phone whose packets will be captured using the Wireshark utility (PCAP Remote). |
| Value Range   | 0, 6-64 characters                                                                                               |
| Default Value | Empty string                                                                                                     |

## PCAP\_REMOTE\_PORT

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| Value Format  | INTEGER                                                                                                    |
| Description   | Specifies the port of the IP phone to use for capturing packets using the Wireshark utility (PCAP Remote). |
| Value Range   | 1-65535                                                                                                    |
| Default Value | 2002                                                                                                       |

### DTMF\_OUT\_ENABLE

|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                             |
| Description   | Specifies whether received outband DTMF signals are output audibly. |
| Value Range   | •Y: Enable audible outband DTMF<br>•N: Disable                      |
| Default Value | Y                                                                   |

### CANCEL\_OPERATION\_MODE

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| Value Format  | INTEGER                                                               |
| Description   | Specifies the operation of the [CANCEL] button when a line is in use. |
| Value Range   | 0: Cancel the current operation<br>1: Return to standby mode          |
| Default Value | 0                                                                     |

## 5. 5.3.3 Ethernet Port Settings

Add the following configuration parameter.

### CDP\_ENABLE

|                              |                                              |
|------------------------------|----------------------------------------------|
| Value Format                 | BOOLEAN                                      |
| Description                  | Specifies whether to enable the CDP feature. |
| Value Range                  | •Y: Enable CDP<br>•N: Disable                |
| Default Value                | N                                            |
| Web User Interface Reference | Enable CDP                                   |

### CDP\_INTERVAL

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| Value Format                 | INTEGER                                                         |
| Description                  | Specifies the interval, in seconds, between sending CDP frames. |
| Value Range                  | 1–3600                                                          |
| Default Value                | 30                                                              |
| Web User Interface Reference | Packet Interval                                                 |

## 6. 5.3.9 TR-069 Settings

Add the following configuration parameter.

### TR069\_REGISTERING

|               |                                                                                   |
|---------------|-----------------------------------------------------------------------------------|
| Value Format  | STRING                                                                            |
| Description   | Specifies the line status that TR-069 outputs while the line is being registered. |
| Value Range   | Max.16 characters                                                                 |
| Default Value | Error                                                                             |

### TR069\_REGISTERED

|               |                                                                                  |
|---------------|----------------------------------------------------------------------------------|
| Value Format  | STRING                                                                           |
| Description   | Specifies the line status that TR-069 outputs when the line has been registered. |
| Value Range   | Max.16 characters                                                                |
| Default Value | Registering                                                                      |

## 7. 5.3.22 SIP Settings

Add the following configuration parameter.

### SIP\_183\_TALK\_ENABLE

|               |                                                                                                  |
|---------------|--------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                          |
| Description   | Specifies whether the unit's state is "Talking" or "Calling" when it receives a SIP 183 message. |
| Value Range   | •Y: Talking<br>•N: Calling                                                                       |
| Default Value | N                                                                                                |

## 8. 5.3.27 SRTP Settings

Add the following configuration parameter.

### DISPLAY\_SRTP\_CALL\_ENABLE

|               |                                                                                         |
|---------------|-----------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                 |
| Description   | Selects whether an icon is displayed when the unit is using encrypted call mode (SRTP). |
| Value Range   | •Y: Display an icon for encrypted calls<br>•N: Disable                                  |
| Default Value | N                                                                                       |

## 9. 5.3.28 Call Control Settings

Add the following configuration parameter.

### DIALPLAN\_REPLACE\_LOG\_ENABLE

|               |                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                                                                           |
| Description   | Specifies whether to log the number after it was modified by the Dial Plan or the number as it was input.                                         |
| Value Range   | *Y: Log the number in the outgoing call log after it was modified by the Dial Plan<br>*N: Log the number in the outgoing call log as it was input |
| Default Value | Y                                                                                                                                                 |

### DIALPLAN\_MEMORY\_DIAL\_ENABLE

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                              |
| Description   | Specifies whether to enable Dial Plan processing for memory dialing. |
| Value Range   | *Y: Enable Dial Plan<br>*N: Disable                                  |
| Default Value | Y                                                                    |

## 10. 5.3.29 Logging Settings

Add the following configuration parameter.

### SYSLOG\_OUT\_START

|               |                                                                         |
|---------------|-------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                 |
| Description   | Specifies whether to enable or disable exporting of the Application Log |
| Value Range   | *Y: Enable export to syslog<br>*N: Disable                              |
| Default Value | N                                                                       |

# KX-HDV100 Software File Version 03.000 or later

## 1. 4.5.4 VoIP Settings [Line 1]

Change the Value Range in "SRTP Mode" on page 117.

(Before)

|             |                                                                                                                                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• SRTP</li><li>• RTP/SRTP</li></ul> <p><u>Note</u></p> <ul style="list-style-type: none"><li>• When RTP/SRTP is selected, operation is in RTP mode.</li></ul> |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(After)

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | <ul style="list-style-type: none"><li>• 0:SRTP</li><li>• 1:RTP/SRTP</li><li>• 2:Panasonic Original</li><li>• 3:SRTP/RTP</li></ul> <p><u>Note</u></p> <ul style="list-style-type: none"><li>• 0: Use only SRTP for outgoing and incoming calls.</li><li>• 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls.</li><li>• 2: Use RTP or SRTP for both outgoing and incoming calls.<br/>This value is valid only when the unit is connected to a Panasonic PBX. "SRTP_MIX_TRANSFER_ENABLE_n" must also be set to "Y".</li><li>• 3: If you are using "RTP/AVP" and append "a=crypto", and the response message includes "a=crypto", the conversation will be established with SRTP. If "a=crypto" is not included, the conversation will be established with RTP.</li></ul> |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 2. 4.6.1 Call Control

Add the following WEB setting.

### Missed Call Notification – Message

|                              |                                                                          |
|------------------------------|--------------------------------------------------------------------------|
| Description                  | Selects whether to display 'Missed calls' on the screen in standby mode. |
| Value Range                  | <ul style="list-style-type: none"><li>• Yes</li><li>• No</li></ul>       |
| Default Value                | Yes                                                                      |
| Configuration File Reference | NOTIFY_MISSEDCALL_ENABLE                                                 |

### Missed Call Notification – LED

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Description                  | Selects whether the LED is used to indicate a missed call          |
| Value Range                  | <ul style="list-style-type: none"><li>• Yes</li><li>• No</li></ul> |
| Default Value                | Yes                                                                |
| Configuration File Reference | NOTIFY_MISSEDCALL_LED_ENABLE                                       |

### Voice Message Notification – Message

|                              |                                                                       |
|------------------------------|-----------------------------------------------------------------------|
| Description                  | Selects whether to display 'Voice MSG' on the screen in standby mode. |
| Value Range                  | <ul style="list-style-type: none"><li>• Yes</li><li>• No</li></ul>    |
| Default Value                | Yes                                                                   |
| Configuration File Reference | NOTIFY_VOICEMAIL_ENABLE                                               |

### Voice Message Notification – LED

|                              |                                                                  |
|------------------------------|------------------------------------------------------------------|
| Description                  | Selects whether the LED is used to indicate a new voice message. |
| Value Range                  | • Yes<br>• No                                                    |
| Default Value                | Yes                                                              |
| Configuration File Reference | NOTIFY_VOICEMAIL_LED_ENABLE                                      |

### Voice Message Notification – Alarm

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Description                  | Selects whether an alarm sound is used to indicate a new voice message. |
| Value Range                  | • Yes<br>• No                                                           |
| Default Value                | Yes                                                                     |
| Configuration File Reference | NOTIFY_VOICEMAIL_ALARM_ENABLE                                           |

## 3. 5.3.1 System Settings

Add the following configuration parameter.

### NOTIFICATION\_MENU\_ENABLE

|               |                                                                    |
|---------------|--------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                            |
| Description   | Specifies whether to display the notification settings under MENU. |
| Value Range   | • Y: Display the notification settings<br>• N: Do not display      |
| Default Value | Y                                                                  |

### NOTIFY\_MISSEDCALL\_ENABLE

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Value Format                 | BOOLEAN                                                                    |
| Description                  | Specifies whether to display 'Missed calls' on the screen in standby mode. |
| Value Range                  | • Y: Enable displaying 'Missed calls' in standby mode.<br>• N: Disable     |
| Default Value                | Y                                                                          |
| Web User Interface Reference | Missed Call Notification – Message                                         |

### NOTIFY\_VOICEMAIL\_ENABLE

|                              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Value Format                 | BOOLEAN                                                                 |
| Description                  | Specifies whether to display 'Voice MSG' on the screen in standby mode. |
| Value Range                  | • Y: Enable displaying 'Voice MSG' in standby mode.<br>• N: Disable     |
| Default Value                | Y                                                                       |
| Web User Interface Reference | Voice Message Notification – Message                                    |

### **ECO\_MODE\_MENU\_ENABLE**

|               |                                                                        |
|---------------|------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                |
| Description   | Specifies whether the "ECO mode" setting is displayed under MENU.      |
| Value Range   | *Y: Enable displaying the ECO mode function under MENU.<br>*N: Disable |
| Default Value | Y                                                                      |

### **NOTIFY\_MISSEDCALL\_LED\_ENABLE**

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| Value Format                 | BOOLEAN                                                     |
| Description                  | Specifies whether the LED is used to indicate a missed call |
| Value Range                  | *Y: Enable LED indication for a missed call.<br>*N: Disable |
| Default Value                | Y                                                           |
| Web User Interface Reference | Missed Call Notification – LED                              |

### **NOTIFY\_VOICEMAIL\_LED\_ENABLE**

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| Value Format                 | BOOLEAN                                                     |
| Description                  | Specifies whether the LED is used to indicate a missed call |
| Value Range                  | *Y: Enable LED indication for a missed call.<br>*N: Disable |
| Default Value                | Y                                                           |
| Web User Interface Reference | Voice Message Notification – LED                            |

### **NOTIFY\_VOICEMAIL\_ALARM\_ENABLE**

|                              |                                                                    |
|------------------------------|--------------------------------------------------------------------|
| Value Format                 | BOOLEAN                                                            |
| Description                  | Specifies whether the LED is used to indicate a new voice message. |
| Value Range                  | *Y: Enable LED indication for voice messages.<br>*N: Disable       |
| Default Value                | Y                                                                  |
| Web User Interface Reference | Voice Message Notification – Alarm                                 |

### **NOTIFICATION\_ALARM\_TYPE**

|               |                                                                                              |
|---------------|----------------------------------------------------------------------------------------------|
| Value Format  | INTEGER                                                                                      |
| Description   | Specifies whether a voice mail alarm notification is used only the first time or every time. |
| Value Range   | *0: First time only<br>*1: Every time                                                        |
| Default Value | 0                                                                                            |

### **BOOTLOG\_SERVER\_URI**

|               |                                              |
|---------------|----------------------------------------------|
| Value Format  | STRING                                       |
| Description   | Specifies the URI for a boot logging server. |
| Value Range   | Max. 256 characters                          |
| Default Value | Empty string                                 |



#### 4. 5.3.16 Network Phonebook (Common)

Add the following configuration parameter.

##### NW\_PHONEBOOK\_ADVANCED\_SEARCH

|               |                                                                          |
|---------------|--------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                  |
| Description   | Specifies whether to perform a narrowing search with the LDAP phonebook. |
| Value Range   | •Y: Enable<br>•N: Disable                                                |
| Default Value | N                                                                        |

#### 5. 5.3.19 SIP Settings

Add the following configuration parameter.

##### SEND\_180\_ALERT\_ENABLE

|               |                                                |
|---------------|------------------------------------------------|
| Value Format  | BOOLEAN                                        |
| Description   | Specifies whether to send 180 before an alert. |
| Value Range   | •Y: Send 180<br>•N: Do not send 180            |
| Default Value | N                                              |

#### 6. 5.3.24 SRTP Settings

Change the Value Range in "SRTP\_CONNECT\_MODE\_n" on page 235.

(Before)

|             |                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | • 0: SRTP<br>• 1: RTP/SRTP<br><br><u>Note</u><br>• 0: Use only SRTP for outgoing and incoming calls.<br>• 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls. |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(After)

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value Range | • 0: SRTP<br>• 1: RTP/SRTP<br>• 2: SRTP & RTP (Panasonic PBX only)<br>• 3: SRTP & RTP (RTP/AVP, a=crypto)<br><br><u>Note</u><br>• 0: Use only SRTP for outgoing and incoming calls.<br>• 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls.<br>• 2: Use RTP or SRTP for both outgoing and incoming calls.<br>This value is valid only when the unit is connected to a Panasonic PBX.<br>"SRTP_MIX_TRANSFER_ENABLE_n" must also be set to "Y".<br>• 3: If you are using "RTP/AVP" and append "a=crypto", and the response message includes "a=crypto", the conversation will be established with SRTP. If "a=crypto" is not included, the conversation will be established with RTP. |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# KX-HDV100 Software File Version 03.100 or later

## 1. 4.3.7 TWAMP Settings

Add the TWAMP Settings to the [Network] tab of Web User Interface Programming.

Add the following web settings to the TWAMP settings.

### Enable TWAMP

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| Description                  | Selects whether to enable the TWAMP server function. |
| Value Range                  | * Yes<br>* No                                        |
| Default Value                | No                                                   |
| Configuration File Reference | TWAMP_ENABLE                                         |

### Control Port

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Description                  | Specifies the port for the TWAMP control session. |
| Value Range                  | 1-65535                                           |
| Default Value                | 862                                               |
| Configuration File Reference | TWAMP_CONTROL_PORT                                |

### Test Port

|                              |                                                |
|------------------------------|------------------------------------------------|
| Description                  | Specifies the port for the TWAMP test session. |
| Value Range                  | 1-65535                                        |
| Default Value                | 9000                                           |
| Configuration File Reference | TWAMP_TEST_PORT                                |

### Wait Time for Control

|                              |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| Description                  | Specifies the time, in seconds, for the TWAMP server to wait for incoming packets for maintaining the session. |
| Value Range                  | 1-65535                                                                                                        |
| Default Value                | 900                                                                                                            |
| Configuration File Reference | TWAMP_SERVER_WAIT_TIME                                                                                         |

### Wait Time for Reflector

|                              |                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Description                  | Specifies the time, in seconds, for the TWAMP reflector to wait for incoming packets for maintaining the session. |
| Value Range                  | 1-65535                                                                                                           |
| Default Value                | 900                                                                                                               |
| Configuration File Reference | TWAMP_REFLECTOR_WAIT_TIME                                                                                         |

## 2. 5.3.1 System Settings

Add the following configuration parameter.

### DISPLAY\_DIVERSION\_ENABLE

|               |                                                                                                  |
|---------------|--------------------------------------------------------------------------------------------------|
| Value Format  | BOOLEAN                                                                                          |
| Description   | Specifies whether the "Diversion" call information is displayed when receiving an incoming call. |
| Value Range   | Y: Enable displaying the "Diversion" information<br>N: Disable                                   |
| Default Value | N                                                                                                |

## 3. 5.3.30 TWAMP Settings

Add the TWAMP Settings to Configuration File Programming.

Add the following configuration parameter to the TWAMP settings.

### TWAMP\_ENABLE

|                              |                                                        |
|------------------------------|--------------------------------------------------------|
| Value Format                 | BOOLEAN                                                |
| Description                  | Specifies whether to enable the TWAMP server function. |
| Value Range                  | Y: Enable the TWAMP server function.<br>N: Disable     |
| Default Value                | N                                                      |
| Web User Interface Reference | Enable TWAMP                                           |

### TWAMP\_CONTROL\_PORT

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Value Format                 | INTEGER                                           |
| Description                  | Specifies the port for the TWAMP control session. |
| Value Range                  | 1-65535                                           |
| Default Value                | 862                                               |
| Web User Interface Reference | Control Port                                      |

### TWAMP\_TEST\_PORT

|                              |                                                |
|------------------------------|------------------------------------------------|
| Value Format                 | INTEGER                                        |
| Description                  | Specifies the port for the TWAMP test session. |
| Value Range                  | 1-65535                                        |
| Default Value                | 9000                                           |
| Web User Interface Reference | Test Port                                      |

### TWAMP\_SERVER\_WAIT\_TIME

|                              |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| Value Format                 | INTEGER                                                                                                        |
| Description                  | Specifies the time, in seconds, for the TWAMP server to wait for incoming packets for maintaining the session. |
| Value Range                  | 1-65535                                                                                                        |
| Default Value                | 900                                                                                                            |
| Web User Interface Reference | Wait Time for Control                                                                                          |

## TWAMP\_REFLECTOR\_WAIT\_TIME

|                              |                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Value Format                 | INTEGER                                                                                                           |
| Description                  | Specifies the time, in seconds, for the TWAMP reflector to wait for incoming packets for maintaining the session. |
| Value Range                  | 1-65535                                                                                                           |
| Default Value                | 900                                                                                                               |
| Web User Interface Reference | Wait Time for Reflector                                                                                           |

## TWAMP\_PADDING\_ZERO

|               |                                                          |
|---------------|----------------------------------------------------------|
| Value Format  | BOOLEAN                                                  |
| Description   | Specifies the packet padding for the TWAMP test session. |
| Value Range   | Y: All zeros<br>N: Random                                |
| Default Value | N                                                        |

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