

Supplement for Administrator Guide



SIP Phone

Model No. **KX-HDV330**

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. Example: {MAC} → 0080F0C571EB
{mac}	If the URL contains {mac}, it will be replaced with the device's MAC address in lowercase letters. Example: {mac} → 0080f0c571eb
{MODEL}	If the URL contains {MODEL}, it will be replaced with the device's model name. Example: {MODEL} → KX-HDV330
{fwver}	If the URL contains {fwver}, it will be replaced with the device's firmware version. 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
–	XMPP_ROOT_CERT_PATH
–	XMPP_CLIENT_CERT_PATH
–	XMPP_PKEY_PATH
–	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-HDV330 Software File Version 01.044 or later

1. 4.4.6 Import Display File

Correct the following description on page 117

(Before)

This screen allows you to specify the file of the wallpaper to import.

(After)

This screen allows you to specify the file of the screen saver to import.

Correct the followings in "4.4.6.1 Import Display File" on page 117

(Before)

Description	Specifies the file of the wallpaper to import.
-------------	--

(After)

Description	Specifies the file of the screen saver to import.
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2. 4.4.7 Wait Time

Correct the following description on page 118

(Before)

This screen allows you to specify the time to wait for the wallpaper to display.

(After)

This screen allows you to specify the time to wait for the screen saver to display.

Correct the followings in "4.4.7.1 Wait Time" on page 118

(Before)

Description	Specifies the time, in seconds, to wait for the wallpaper to display.
-------------	---

(After)

Description	Specifies the time, in seconds, to wait for the screen saver to display.
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3. 4.5.4 VoIP Settings [Line 1]–[Line 12]

Change the followings in "SRTP Mode" on page 136

(Before)

Value Range	· SRTP · RTP/SRTP <u>Note</u> · When RTP/SRTP is selected, operation is in RTP mode.
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(After)

Value Range	· SRTP · RTP/SRTP <u>Note</u> · RTP/SRTP: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls.
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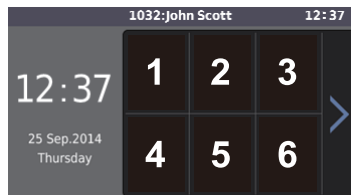
4. 5.3.1 System Settings

Add the following configuration parameter.

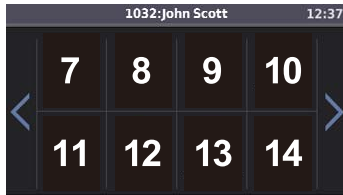
SYS_HOME_MENU_ICONx

Value Format	INTEGER
Description	X=1-20 Specifies an arrangement of the icons on the Home menu.
Value Range	0: Original position 1: None 2: Function 3: Phonebook 4: Call History 5: Voice Message 6: FWD/DND 7: Application 8: Basic Settings 9: System Settings 10: Advanced Settings 11: Line Status 12: Presence 13: Call Center/Call Centre 14: Paging 17: XML shortcut1 18: XML shortcut2 19: XML shortcut3 20: XML shortcut4 21: XML shortcut5 22: XML shortcut6
Default Value	0

Location numbers (x=1-20) of the icons on the Home menu.



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Page 2



Page 3

5. 5.3.10 XML Settings

Add the following configuration parameter.

XMLAPP_URL_FLEX_BUTTONx

Value Format	STRING
Description	x=1-24 Specifies the URL that is accessed when the FFx key is pressed.
Value Range	Max. 256 characters (“&” may also be used)
Default Value	Empty string

SYS_HOME_MENU_XML_NAMEx

Value Format	STRING
Description	x=1-6 Specifies the name of an icon for an XML feature on the Home menu.
Value Range	Max. 24 characters
Default Value	x=1:Application 1 x=2:Application 2 x=3:Application 3 x=4:Application 4 x=5:Application 5 x=6:Application 6

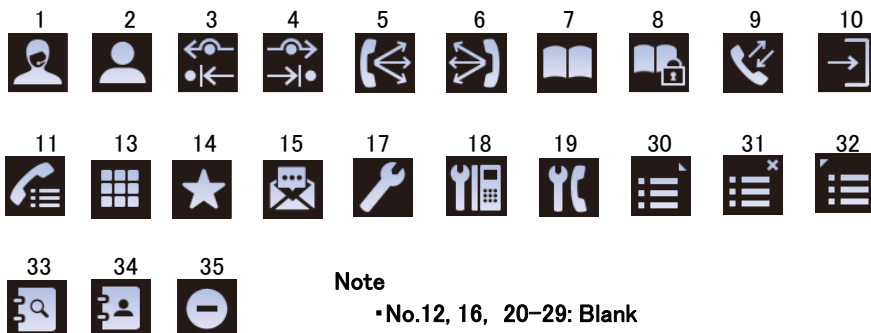
SYS_HOME_MENU_XML_URLx

Value Format	STRING
Description	x=1-6 Specifies the URL that is accessed by an XML feature on the Home menu.
Value Range	Max. 256 characters (“&” may also be used.)
Default Value	Empty string

SYS_HOME_MENU_XML_ICONx

Value Format	INTEGER
Description	x=1-6 Specifies feature of an icon on the Home menu.
Value Range	1 – 35
Default Value	13

Icon Type



Note

•No.12, 16, 20-29: Blank

6. 5.3.11 XSI Settings

Add the following configuration parameter.

XSI_PHONEBOOK_CYCLIC_INTVL

Value Format	INTEGER
Description	Specifies the interval, in minutes, between periodic checks for updates of the Xsi Directory (Phonebook) files. If this parameter is set to "0", the timing is the same as updating the configuration files.
Value Range	0-40320
Default Value	0

XSI_PHONEBOOK_RESYNC_DURATION

Value Format	INTEGER
Description	Specifies the time range, in minutes, during which connected units can access the server. Xsi Directory (Phonebook) files will be downloaded at a random time within this range.
Value Range	0-1439
Default Value	0

BSD_GROUP_ENABLE_n

Parameter Name Example	BSD_GROUP_ENABLE_1, BSD_GROUP_ENABLE_2,...,BSD_GROUP_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to enable or disable the "Group" type for Xsi phonebooks.
Value Range	•Y: Enable •N: Disable
Default Value	N

BSD_GROUPCOM_ENABLE_n

Parameter Name Example	BSD_GROUPCOM_ENABLE_1, BSD_GROUPCOM_ENABLE_2, ...,BSD_GROUPCOM_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to enable or disable the "Group Common" type for Xsi phonebooks.
Value Range	•Y: Enable •N: Disable
Default Value	N

BSD_ENTERPRISE_ENABLE_n

Parameter Name Example	BSD_ENTERPRISE_ENABLE_1, BSD_ENTERPRISE_ENABLE_2, ...,BSD_ENTERPRISE_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to enable or disable the "Enterprise" type for Xsi phonebooks.
Value Range	•Y: Enable •N: Disable
Default Value	N

BSD_ENTERPRISECOM_ENABLE_n

Parameter Name Example	BSD_ENTERPRISECOM_ENABLE_1, BSD_ENTERPRISECOM_ENABLE_2 ,...,BSD_ENTERPRISECOM_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to enable or disable the "Enterprise Common" type for Xsi phonebooks.
Value Range	•Y: Enable •N: Disable
Default Value	N

BSD_PERSONAL_ENABLE_n

Parameter Name Example	BSD_PERSONAL_ENABLE_1, BSD_PERSONAL_ENABLE_2, ...,BSD_PERSONAL_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to enable or disable the "Personal" type for Xsi phonebooks.
Value Range	•Y: Enable •N: Disable
Default Value	N

7. 5.3.27 SRTP Settings

Change the followings in " [SRTP_CONNECT_MODE_n](#) " on page 277

(Before)

Value Range	• 0: SRTP • 1: RTP/SRTP <u>Note</u> • When RTP/SRTP is selected, operation is in RTP mode.
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(After)

Value Range	• 0: SRTP • 1: RTP/SRTP • 2: RTP&SRTP (Panasonic PBX only) <u>Note</u> • 0: Use only SRTP for outgoing and incoming calls. • 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls. • 2: Use RTP or SRTP for both outgoing and incoming calls. 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".
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8. 5.3.31 Flexible Key Settings

Change the followings in " [FLEX_BUTTON_FACILITY_ACTx](#) " on page 288

(Before)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE
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(After)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE, X_PANASONIC_IPTTEL_APPLICATION
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9. 5.3.32 DSS Key Settings

Change the followings in " [DSS_BUTTON_FACILITY_ACTx](#) " on page 290

(Before)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE
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(After)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE, X_PANASONIC_IPTTEL_APPLICATION
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10. 5.3.34 Call Control Settings

Add the following configuration parameter.

[VM_SUBSCRIBE_SPECIFIC_n](#)

Parameter Name Example	VM_SUBSCRIBE_SPECIFIC_1, VM_SUBSCRIBE_SPECIFIC_2, ..., VM_SUBSCRIBE_SPECIFIC_12
Value Format	STRING
Description	Specifies the defined name of a voice mail box.
Value Range	Max. 32 characters
Default Value	Empty string

[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	- Y: Stop seizing line - N: Seize line
Default Value	N

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1. 4.6.1 Call Control

Add the following WEB setting.

Barge in

Description	Specifies the feature number for performing barging in.
Value Range	0–4 digits (0–9, *, #)
Default Value	Not stored.
Configuration File Reference	NUM_PLAN_BARGE_IN

2. 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 •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 •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 •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 •N: Not displayed
Default Value	N

DISPLAY_CALL_KEY_ENABLE

Value Format	BOOLEAN
Description	Specifies whether call information is displayed on Line and BLF program/DSS keys.
Value Range	•Y: Displayed •N: Not displayed
Default Value	N

LCD_SCREEN_TIMEOUT

Value Format	INTEGER
Description	Specifies the length of time before the LCD backlight turns off when the unit is idle.
Value Range	•0: 30sec •1: 1min •2: 5min •3: 10min •4: 30min •5: 60min •6: 120min •7: 180min •8: 300min •9: Always On
Default Value	1

LCD_ACTIVE_LEVEL

Value Format	INTEGER
Description	Specifies the backlight level of the LCD when it is active.
Value Range	0–8
Default Value	8

LCD_INACTIVE_LEVEL

Value Format	INTEGER
Description	Specifies the backlight level of the LCD when it is inactive.
Value Range	•0: Off •1: Low
Default Value	0

DSS_LCD_ACTIVATION

Value Format	INTEGER
Description	Specifies the activation of the backlight of DSS units' LCD.
Value Range	•0: Off •1: On •2: Auto
Default Value	2

DSS_LCD_BACKLIGHT

Value Format	INTEGER
Description	Specifies the backlight level of DSS units' LCD.
Value Range	1–6
Default Value	6

DSS_LCD_CONTRAST

Value Format	INTEGER
Description	Specifies the contrast level of DSS units' LCD.
Value Range	1–6
Default Value	3

3. 5.3.11 XSI Settings

Add the following configuration parameter.

BSD_MULTI_TYPE_ENABLE

Value Format	BOOLEAN
Description	Specifies whether you can select the type of Xsi phonebook.
Value Range	•Y: Enable •N: Disable
Default Value	N

4. 5.3.12 XMPP (UC-ONE) Settings

Add the following configuration parameter.

UC_USERID_CASE_SENSITIVE

Value Format	BOOLEAN
Description	Specifies whether the authentication ID is case-sensitive when accessing the UC server.
Value Range	•Y: Enable •N: Disable
Default Value	N

5. 5.3.21 NAT Settings

Add the following configuration parameter.

EXTERNAL_RTP_PORTx

Value Format	INTEGER
Description	x=1–24 Specifies the port number of the router in Static NAT status.
Value Range	0, 1024–59998 (only even ports) 0: Disable
Default Value	0

6. 5.3.22 SIP Settings

Add the following configuration parameter.

SIP_REPLACE_ENABLE_n

Parameter Name Example	SIP_REPLACE_ENABLE_1, SIP_REPLACE_ENABLE_2,..., SIP_REPLACE_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to use "Replaces Header".
Value Range	•Y: Use "Replaces Header" •N: Do not use "Replaces Header"
Default Value	Y

[SIP_INC_INVITE_RTP_MODE_n](#)

Parameter Name Example	SIP_INC_INVITE_RTP_MODE_1, SIP_INC_INVITE_RTP_MODE_2,..., SIP_INC_INVITE_RTP_MODE_12
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 •1: Start sending/receiving RTP after receiving a second INVITE
Default Value	0

7. 5.3.23 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. Note •All lines that use SIP-TLS are defined by this parameter. •UDP/TCP ports are unaffected by this parameter.
Value Range	•Y: Assign a random TLS port number •N: Assign a static TLS port number (Refer to SIP_SRC_PORT_n)
Default Value	Y

8. 5.3.28 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 •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. 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 (The number of consecutive times. 0:Disable) Note If "2" is specified and the MOS value falls within the threshold 2 consecutive times, VQREPORT is sent.
Default Value	0

9. 5.3.30 Telephone Settings

Add the following configuration parameter.

WALLPAPER_WAIT_TIME

Value Format	INTEGER
Description	Specifies the time, in seconds, to wait for the screen saver to display.
Value Range	•0 (Do not display the screen saver) •10 •30 •60 •180 •300
Default Value	0
Web User Interface Reference	Wait Time

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 •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 •1 :Phone Number •2: Phone Number and Name •3: Name <u>Note</u> "Name" is the display name for the line.
Default Value	3

NUM_PLAN_BARGE_IN

Value Format	STRING
Description	Specifies the feature number for performing barging in.
Value Range	0–4 digits (0–9, *, #)
Default Value	Empty string
Web User Interface Reference	Barge in

BLF_DISPLAY_OFF_OUTGOING

Value Format	BOOLEAN
Description	Specifies whether to display the phone numbers of BLF keys or PAI after dialing.
Value Range	•Y: Do not display •N: Display the phone numbers
Default Value	N

SPLIT_HOLD_TRNS_ENABLE

Value Format	BOOLEAN
Description	Specifies whether to enable the Call Split feature by pressing the HOLD key while a call is either on transfer hold or conference hold.
Value Range	*Y: Enable the Call Split feature by using the HOLD key *N: Disable
Default Value	N

FWD_SYNCHRO_FORCE_DISABLE_n

Parameter Name Example	FWD_SYNCHRO_FORCE_DISABLE_1, FWD_SYNCHRO_FORCE_DISABLE_2,..., FWD_SYNCHRO_FORCE_DISABLE_12
Value Format	BOOLEAN
Description	Specifies whether to synchronize the Call Forward settings in FWD_DND_SYNCHRO_ENABLE_n.
Value Range	*Y: Do not synchronize *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 *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 74.

(Before)

Value Range	• Disable • LLDP • Manual
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(After)

Value Range	• Disable • LLDP • CDP • LLDP/CDP • Manual
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2. 4.3.2 Ethernet Port Settings

Add the following WEB setting.

Enable CDP

Description	Selects whether to enable the CDP feature.
Value Range	• Yes • No
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.

Group Call Pickup

Description	Specifies the feature number for performing group call pickup.
Value Range	0–4 digits (0–9, *, #)
Default Value	Not stored.
Configuration File Reference	NUM_PLAN_PICKUP_GROUP

Private Hold

Description	Selects whether to enable or disable private hold.
Value Range	• Yes • No
Default Value	No
Configuration File Reference	PRIVATE_HOLD_ENABLE

4. 4.6.4 Flexible Key Settings (No. 1–24)

Change the followings in “Type” on page 149.

(Before)

Value Range	• One Touch Dial • BLF • Line • ACD • Wrap Up • Line Status • Call Forward • Phonebook • Call History • Simultaneous Ring • Hoteling (Hospitality) • Transfer • Blind Transfer • Conference • Directed Call Pickup • Call Park • Call Park Retrieve
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(After)

Value Range	• One Touch Dial • BLF • Line • ACD • Wrap Up • Line Status • Call Forward • Phonebook • Call History • Simultaneous Ring • Hoteling (Hospitality) • Transfer • Blind Transfer • Conference • Directed Call Pickup • Call Park • Call Park Retrieve • Group Call Pickup
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5. 4.6.8 DSS Console

Change the followings in "Type" on page 158.

(Before)

Value Range	• One Touch Dial • BLF • Line • ACD • Wrap Up • Line Status • Call Forward • Phonebook • Call History • Simultaneous Ring • Hoteling (Hospitality) • Transfer • Blind Transfer • Conference • Directed Call Pickup • Call Park • Call Park Retrieve
-------------	---

(After)

Value Range	• One Touch Dial • BLF • Line • ACD • Wrap Up • Line Status • Call Forward • Phonebook • Call History • Simultaneous Ring • Hoteling (Hospitality) • Transfer • Blind Transfer • Conference • Directed Call Pickup • Call Park • Call Park Retrieve • Group Call Pickup
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6. 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 [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 '#' •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 •N: Not displayed
Default Value	Y

DELAY_RING_TIME_n

Parameter Name Example	DELAY_RING_TIME_1, DELAY_RING_TIME_2,...,DELAY_RING_TIME_12
Value Format	INTEGER
Description	Specifies the length of time, in seconds, until the unit rings.
Value Range	0–30 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 •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 *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 *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 *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 •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 1: Return to standby mode
Default Value	0

7. 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 •N: Disable
Default Value	N
Web User Interface Reference	Enable CDP

CDP_INTERVAL

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

8. 5.3.10 XML Settings

Add the following configuration parameter.

XML_PHONEBOOK_URL

Value Format	STRING
Description	Specifies the URL to download the XML phonebook file from.
Value Range	Max.256 characters
Default Value	Empty string

XML_PHONEBOOK_CYCLIC_INTVL

Value Format	INTEGER
Description	Specifies the interval, in minutes, between periodic checks for updates to the XML phonebook. If this parameter is set to "0", the timing is the same as that for updating the configuration files.
Value Range	0, 1-40320
Default Value	0

XML_CURSOR_SKIP_ENABLE

Value Format	BOOLEAN
Description	Selects whether to skip displaying the cursor on line 1 (id=1) of the display on the XML menu.
Value Range	•Y: Enable skipping the cursor display on line 1 (id=1) •N: Disable
Default Value	N

XMLAPP_URL_REDIAL_KEY

Value Format	STRING
Description	When the redial key is defined by an XML element, specifies the URL that is accessed when the [REDIAL] key is pressed.
Value Range	Max.256 characters (The ampersand [&] character is available)
Default Value	Empty string

9. 5.3.14 Call Center Settings

Add the following configuration parameter.

UC_HOTELING_MODE

Value Format	INTEGER
Description	Specifies the Flexible Seating mode. This service allows a guest to use the host's device as his own.
Value Range	0: Hoteling not supported 1: Hoteling supported 2: Host 3: Guest
Default Value	0

UC_FLEXIBLESEATING_UNLOCKPIN

Value Format	STRING
Description	Specifies the unlock PIN for Flexible Seating.
Value Range	4–10 digits
Default Value	Empty string

10. 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 •N: Calling
Default Value	N

11. 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 •N: Disable
Default Value	N

12. 5.3.29 uaCSTA Settings

Add the following configuration parameter.

UACSTA_ENABLE_n

Parameter Name Example	UACSTA_ENABLE_1, UACSTA_ENABLE_2, ..., UACSTA_ENABLE_12
Value Format	BOOLEAN
Description	Selects whether to enable or disable the uaCSTA feature.
Value Range	*Y: Enable *N: Disable
Default Value	N

13. 5.3.30 Telephone Settings

Add the following configuration parameter.

NUM_PLAN_PICKUP_GROUP

Value Format	STRING
Description	Specifies the feature number for performing group call pickup.
Value Range	0-4 digits (0-9, *, #)
Default Value	Empty string
Web User Interface Reference	Group Call Pickup

14. 5.3.31 Flexible Key Settings

Change the followings in “ FLEX_BUTTON_FACILITY_ACTx ” on page 288

(Before)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE
-------------	---

(After)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE, X_PANASONIC_IPTTEL_APPLICATION X_PANASONIC_IPTTEL_GROUPPICKUP
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15. 5.3.32 DSS Key Settings

Change the followings in “ DSS_BUTTON_FACILITY_ACTx ” on page 290

(Before)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE
-------------	---

(After)

Value Range	X_PANASONIC_IPTTEL_LINE, X_PANASONIC_IPTTEL_ONETOUCH, X_PANASONIC_IPTTEL_ACD, X_PANASONIC_IPTTEL_WRAPUP, X_PANASONIC_IPTTEL_BLF, X_PANASONIC_IPTTEL_LINESTATUS, X_PANASONIC_IPTTEL_FORWARD, X_PANASONIC_IPTTEL_PHONEBOOK, X_PANASONIC_IPTTEL_CALLLOG, X_PANASONIC_IPTTEL_PARARING, X_PANASONIC_IPTTEL_HOTELING, X_PANASONIC_IPTTEL_TRANSFER, X_PANASONIC_IPTTEL_BLINDTRANSFER, X_PANASONIC_IPTTEL_CONFERENCE, X_PANASONIC_IPTTEL_DIRECTPICKUP, X_PANASONIC_IPTTEL_CALLPARK, X_PANASONIC_IPTTEL_PARKRETRIEVE, X_PANASONIC_IPTTEL_APPLICATION X_PANASONIC_IPTTEL_GROUPPICKUP
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16. 5.3.34 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 •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 •N: Disable
Default Value	Y

SIGNALING_AUTO_ANS_ENABLE_n

Parameter Name Example	SIGNALING_AUTO_ANS_ENABLE_1, SIGNALING_AUTO_ANS_ENABLE_2,..., SIGNALING_AUTO_ANS_ENABLE_12
Value Format	BOOLEAN
Description	Specifies whether to enable paging mode with "Click to Dial".
Value Range	•Y: Enable •N: Disable
Default Value	Y

17. 5.3.35 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 •N: Disable
Default Value	N

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1. 4.5.4 VoIP Settings [Line 1]–[Line 12]

Change the Value Range in “SRTP Mode” on page 136.

(Before)

Value Range	•SRTP •RTP/SRTP <u>Note</u> • When RTP/SRTP is selected, operation is in RTP mode.
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(After)

Value Range	•0:SRTP •1:RTP/SRTP •2:Panasonic Original •3:SRTP/RTP <u>Note</u> • 0: Use only SRTP for outgoing and incoming calls. • 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls. • 2: Use RTP or SRTP for both outgoing and incoming calls. 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”. • 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.
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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	•Yes •No
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	•Yes •No
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	•Yes •No
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 • 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 • No
Default Value	Yes
Configuration File Reference	NOTIFY_VOICEMAIL_ALARM_ENABLE

3. 4.6.4 Flexible Key Settings (No. 1–24)

Change the Value Range in “ [Parameter](#) ” on page 150.

(Before)

Value Range	Max. 35 characters
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(After)

Value Range	Max. 128 characters
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4. 4.6.8 DSS Console

Change the Value Range in “ [Parameter](#) ” on page 159.

(Before)

Value Range	Max. 35 characters
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(After)

Value Range	Max. 128 characters
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5. 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 • 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. • 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. •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. •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. •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. •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. •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 •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

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. 5.3.19 Network Phonebook (Common)

Add the following configuration parameter.

NW_PHONEBOOK_ADVANCED_SERACH

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

8. 5.3.22 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 •N: Do not send 180
Default Value	N

9. 5.3.27 SRTP Settings

Change the Value Range in " [SRTP_CONNECT_MODE_n](#) " on page 277.

(Before)

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

(After)

Value Range	• 0: SRTP • 1: RTP/SRTP • 2: SRTP & RTP (Panasonic PBX only) • 3: SRTP & RTP (RTP/AVP, a=crypto) <u>Note</u> • 0: Use only SRTP for outgoing and incoming calls. • 1: Use only RTP for outgoing calls, and RTP or SRTP for incoming calls. • 2: Use RTP or SRTP for both outgoing and incoming calls. 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". • 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.
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10. 5.3.30 Telephone Settings

Add the following configuration parameter.

CALLPARK_METHOD

Value Format	INTEGER
Description	Specifies the method for the "Call Park" function.
Value Range	•1: Info message type •2: Refer type
Default Value	2

CALL_PARK_PROG_KEY_MODE

Value Format	INTEGER
Description	Specifies the Call Park operation when it is assigned to a function key.
Value Range	•0: Numbering plan •1: Specified park area with "CALLPARK_METHOD".
Default Value	0

11. 5.3.31 Flexible Button Settings

Change the Value Range in "FLEX_BUTTON_FACILITY_ARGx" on page 289.

(Before)

Value Range	Max. 35 characters
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(After)

Value Range	Max. 128 characters
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12. 5.3.32 DSS Key Settings

Change the Value Range in "DSS_BUTTON_FACILITY_ARGx" on page 291.

(Before)

Value Range	Max. 35 characters
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(After)

Value Range	Max. 128 characters
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1. 4.3.12 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 • 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 N: Disable
Default Value	N

3. 5.3.36 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. 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 N: Random
Default Value	N

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