

PCS-XC1

Release Note

Application Ver. 1.33

Rev. 1.0
2018/8/31

Sony Corporation

PCS-XC1 Release Note

Revision History

#	Date of Release	Version	Revision and Comment
1	2014/10/31	1.01	First Release
2	2014/12/08	1.02	Fix issue: Password in Settings/Administrator1 can be stored maximum 3 characters. Change "Speaker" to "Loud Speaker" Add comment into upgrade method using the Web.
3	2015/2/9	1.11	Wireless LAN Support Bug Fix
4	2015/04/06	1.12	Fix black or block-noise video issue on the connection with other vendor equipment. Improve AV asynchronous of recoding and streaming. Fix interfering with GUI after disconnection by unmatched encryption mode.
5	2015/10/16	1.20	USB audio support Unknown IP call support AAC-LD support LETTER service command support New annotation tablet support Improvement of GUI Improvement of connectivity with other vendor
6	2015/11/05	1.21	Fix external command switching HDMI video input
7	2016/03/24	1.22.20	Security improvement Disable ssh login without password
8	2016/06/30	1.30	New functions: 5, Improved functions: 1, Deleted functions: 1, Corrected problems: 4 Deletion of the Restrictions: (Old number) 8.1.4: Switching Drawing / Pointing by a button on Pen Tablet (* Because there is no actual occurrence) Deletion of the Known Issues: (Old number) 9.1.2: Sending operation in the detailed setting of the send setting being enabled and the name input setting at sending being enabled (* Because there is no actual occurrence)

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			Addition of the Known Issues: 10.1.4, 10.1.5 Update to the Known Issues: 10.1.3
9	2017/04/28	1.31	New and changed functions: 4, Improved functions: 2, Corrected problems: 8 Addition of the Known Issues: 11.1.6 Update to the Known Issues: 11.1.5
10	2017/09/29	1.32	New and changed functions: 0, Improved functions: 1, Corrected problems: 10 Update to the Known Issues: 12.1.6
11	2018/08/31	1.33	New and changed functions: 2, Improved functions: 1, Corrected problems: 5 Update to the table in Section “14 Port numbers”

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1 About Version 1.33

When updating from any versions prior to Ver.1.12, be sure to first update to Ver.1.22.20 and then update to this version.

1.1 New functions and changed functions

1.1.1 Increase in the maximum number of characters in the dial address entry

The maximum number of characters that can be entered in the dial address entry field in GUI menu, Web control menu, and external control commands were increased to 128 characters.

1.1.2 Support of the service command to change dial address resolution procedure

In Ver1.31, a DNS server was made to resolve the dial address when it contained @ and did not contain a prefix. From this version, if the service command "ATGK" is registered in the service menu, a gatekeeper resolves the address as in Ver. 1.30 and earlier.

1.2 Improved functions

1.2.1 Security enhancement

The security has been enhanced.

1.3 Corrected problems

1.3.1 Communication link could not be established when LAN mode is 10M FULL

When "LAN Mode" was set to "10Mbps Full Duplex", the negotiation with network equipment such as hub did not work properly and the communication link was not established. This problem was corrected.

[Problem from Ver.1.01]

1.3.2 Transmission of a presentation ended unexpectedly in a few minutes when connecting to a Cisco product

H.239 presentation data transmission ended unexpectedly in a few minutes when connected to some Cisco products. This problem was corrected.

[Problem from Ver.1.01]

1.3.3 Far end camera control was not available from Cisco products

The far end camera control from some Cisco products was not available. This problem was corrected.

[Problem from Ver.1.01]

1.3.4 “name:” prefix was not recognized

The “name:” prefix function in dialing operation was added in Ver1.31 (see 3.1.1), but it was valid only when the prefix was specified with all upper case letters, “NAME:”. This problem was corrected. The "name:" prefix is available even with mixed case of upper case and lower case letters.

[Problem from Ver.1.31]

1.3.5 SIP settings were not activated in Web control menu

When "SIP Server Mode" was set to “Off” in the SIP setup menu, the other settings could not be activated. This problem was corrected.

[Problem from Ver.1.01]

2 About Version 1.32

When updating from any versions prior to Ver.1.12, be sure to first update to Ver.1.22.20 and then update to this version.

2.1 New functions and changed functions

None.

2.2 Improved functions

2.2.1 Improvement of keep-alive function on SIP connection

There was a problem that SIP connection is disconnected in a few minutes when connecting to some SIP server because it cannot accept the message format sent from the server and send the keep-alive packet. This problem was corrected by accepting the message format.

2.3 Corrected problems

2.3.1 Improvement of the speed of camera movement to the preset position

It took time to move the camera to the preset position by changing in version 1.20. This problem was corrected.
[Problem from Ver.1.20]

2.3.2 WDR (View-DR) setting is not available during communication

Even if the WDR (View-DR) setting is saved during communication, the saved setting is not available. This problem was corrected.
[Problem from Ver.1.01]

2.3.3 The microphone input level decreases when the audio input is switched

The input level of the PCS-A1 microphone may decrease when the “Audio input” is switched from “AUX” or “USB” to “MIC”. This problem was corrected.
[Problem from Ver.1.20]

2.3.4 It may freeze when the gatekeeper used is down

It may freeze if the gatekeeper used is down. This problem was corrected.
[Problem from Ver.1.01]

2.3.5 No image may be displayed on the monitor if it cancels an incoming call in standby mode

No image may be displayed on the monitor if it receives an incoming call in standby mode and cancels it shortly afterwards. This problem was corrected.

[Problem from Ver.1.01]

2.3.6 H.239 presentation data cannot be sent if a video mode different from the video mode on the last connection is used

H.239 presentation data cannot be sent if a video mode (H.264/H.263) different from the video mode on the last connection is used (H.264->H.263 or H.263->H.264). This problem was corrected.

[Problem from Ver.1.01]

2.3.7 Presentation data transmission cannot be stopped even after annotation is ended

If annotation is started during H.239 presentation data transmission, the presentation can be stopped only after the annotation is ended in the specification. However, there was a problem that the presentation might not be able to stop even after the annotation was ended, if once the presentation stop operation was executed before the annotation was ended. This problem was corrected.

[Problem from Ver.1.01]

2.3.8 The bitrate of H.239 presentation data transmission decreases to 384kbps when connecting to other vendor's MCU

The bitrate of H.239 presentation data transmission decreases to 384kbps when connecting to some Huawei MCU. This problem was corrected.

[Problem from Ver.1.01]

2.3.9 Incoming call may not be accepted if hanging up after one ring is made twice in standby mode

If hanging up after one ring is made twice in standby mode, it may not enter standby mode and deny subsequent incoming calls. This problem was corrected.

[Problem from Ver.1.01]

2.3.10 The image may seem to be blurred under a network environment with packet loss, if H.239 presentation data is transmitted by H.263

The image may seem to be blurred at the receiving side under a network environment with packet loss, if H.239 presentation data is transmitted by H.263 video mode as a result of connecting to some other vendor's MCU. Added Intra Request function that has some effect on this problem.

[Problem from Ver.1.01]

3 About Version 1.31

This version is Ver.1.31.

When updating from any versions prior to Ver.1.12, be sure to first update to Ver.1.22.20 and then update to this version.

3.1 New functions and changed functions

3.1.1 Modification of the URI dialing specification

The operation specification related to URI dialing was modified as follows.

[Before modification]

Address specification method	Address resolution point
user@example.com	Gatekeeper
h323: user@example.com	DNS server

[After modification]

Address specification method	Address resolution point
user@example.com	DNS server
h323: user@example.com	DNS server
name: user@example.com (addition)	Gatekeeper

Note) “h323:” and “name:” are pre-defined prefixes. Upper case and lower case are not distinguished.

3.1.2 Increase in the maximum number of characters in the Web page entry field

The maximum number of characters that can be entered in the number entry field in the Home menu of the Web page was increased from 32 characters to 39 characters.

3.1.3 Modification of the input level from the USB audio device

The audio level of the microphone of Yamaha YVC-1000 connected via USB and that of microphone PCS-A1 of this unit are made equivalent when the distance between the microphone and the speaker is 0.5 m to 4 m.

The assumed use condition of PCS-A1 is as follows.

- “Adaptive Voice Pickup and Sound” is “Wide and Clear”

3.1.4 Increase in the maximum number of digits for a password

The number of digits that can be entered for a password was increased to 39 digits.

3.2 Improved function

3.2.1 Improvement of connectivity with OKI MCU Visual Nexus

To improve the problem that audio is not output in the meeting with some versions of OKI MCU Visual Nexus ver5.x, it now supports the “VNAUD” service command.

3.2.2 Security enhancement

The security has been enhanced.

3.3 Corrected problems

3.3.1 Pen tablet cannot be used wireless

WACOM pen tablet CTL-490 does not work correctly when used wireless. This problem was corrected.

[Problem from Ver.1.30]

3.3.2 The echo canceller becomes disabled when the audio input is set to “MIC+AUX”

The echo canceller becomes disabled when “Audio Input” is set to “MIC+AUX”. This problem was corrected.

[Problem from Ver.1.01]

3.3.3 It may become inoperable when a PC is connected to HDMI IN (PC)

It may become inoperable when a PC is connected to HDMI IN (PC). This problem was corrected.

[Problem from Ver.1.01]

3.3.4 Access to the Web page may not be possible when some symbols are used in a password

Access to the Web page may not be possible if a password is entered when symbol “”” (double quotation), “\$” (dollar sign), or “`” (back quote) is used to register the Administrator Password, Phone Book Modification Password, Save Settings Password, or Remote Access Password. This problem was corrected.

[Problem from Ver.1.01]

3.3.5 Presentation data cannot be sent when connected to Cisco products

H.239 presentation data cannot be sent depending on the communication bit rate

when connected to some Cisco products. This problem was corrected.

[Problem from Ver.1.01]

3.3.6 The AAC-LD audio codec is not employed when connected to Cisco products

Communication with the MPEG4 AAC-LD audio codec is not possible when connected to some Cisco products. This problem was corrected.

[Problem from Ver.1.01]

3.3.7 The message to the gatekeeper at the time of URI dialing is not correct

The bandwidth setting for the ARQ (Admission Request) and BRQ (Bandwidth Request) messages issued to the gatekeeper at the time of URI dialing is not correct. This problem was corrected.

[Problem from Ver.1.01]

3.3.8 Problem of inquiry to the DNS server at the time of URI dialing

There was a problem in the method to inquire the DNS server at the time of URI dialing, and it could not acquire the correct IP address. This problem was corrected.

[Problem from Ver.1.01]

4 About Version 1.30

This version is Ver. 1.30.

When updating from any versions prior to Ver. 1.12, be sure to first update to Ver. 1.22.20 and then update to this version.

4.1 New functions

4.1.1 Support for the HDMI IN audio input

It is now possible to use the GUI to set to input the audio from the external devices connected to the HDMI IN (PC) terminal. It can also be input by using the Web menu.

The echo canceler is disabled if the audio input is set to "MIC+AUX". For details, refer to "Known Issues 10.1.5".

4.1.2 Addition of the Initialize Setup menu

"Initialize Setup" is added to the Administrator setup menus. This can reset all settings to factory default settings.

4.1.3 Audio Input setting using the function button

If "Audio Input Select" is assigned to a function button on the Remote Commander beforehand, the audio input setting can be switched using the function button during the conference.

The echo canceler is disabled if the audio input is set to "MIC+AUX". For details, refer to "Known Issues 10.1.5".

4.1.4 Recording operation using the function button

If "Recording Execute/Stop" is assigned to a function button on the Remote Commander beforehand, the Execute/Stop operation for recording can be performed during the conference.

4.1.5 Support for new annotation tablets

The following LCD pen tablets are newly supported.

- WACOM DTU-1631C
- WACOM DTH-2242
- WACOM DTK-2241

4.2 Improved function

4.2.1 Improvement in the echo suppression performance

Echo that had been occurring when the position of the microphone or speaker(person) was changed is now reduced. It can be confirmed on the other end of the connected terminal.

4.3 Deleted functions

4.3.1 Deletion of the streaming function

In response to the termination of QuickTime Windows version by Apple, the streaming function using QuickTime was deleted.

4.4 Corrected problems

4.4.1 H.239 video transmission time

During the point-to-point connection or multipoint connection, it may take time for the H.239 video to be displayed when the following models send it. This problem was corrected.

Applicable models: PCS-XG80/XA80/XG55/XA55/XL55/G60

[Problem from Ver. 1. 02]

4.4.2 Some symbols cannot be set for a wireless passphrase

The problem that some symbols could not be set for “Wireless Passphrase” was corrected.

It was confirmed that the following symbols could not be used.

“	\$	&	‘	()	.	/	;	<	>	@	¥	`		Space
---	----	---	---	---	---	---	---	---	---	---	---	---	---	--	-------

[Problem from Ver. 1.11]

4.4.3 The resolution of the H.239 video stays 720p even after installing the HD Upgrade Software

The resolution of the H.239 video stayed 720p (1280 x 720) until “Initialize Setup” was executed even after having installed PCSA-RXC1 HD Upgrade Software. This problem was corrected.

[Problem from Ver. 1.20]

4.4.4 Far/Near cannot be assigned to function buttons F2 to F4 from the Web menu

Far/Near was not displayed as options for the F2 to F4 buttons in the function key setup menu of the Web menu and could not be assigned. This problem was

corrected.

[Problem from Ver. 1.01]

5 About Version 1.22.20

Please be careful about uppercase and lowercase letters of the file name being used for update.

Please confirm the following notes.

5.1 Security improvement

The security has been enhanced.

5.1.1 Disable ssh login without password (Important)

To enhance the security, ssh login without password for external control is disabled.

Note 1:

No password is set in the default setting. After this version or later software is installed, ssh login is not available in the default setting. When ssh connection is used for external control, please set password for ssh before this version or later software is installed.

Note 2:

By restoring to the default settings, password will be deleted. If this version or later software is installed and the setting is restored to the default, please set password for ssh again.

There are no changes regarding web page access and telnet access for external control.

6 About Version 1.21

This version is Version 1.21.

If updating from earlier than Ver1.12, update to Ver1.12 once, then update to this version again.

6.1 New functions

None.

6.2 Improved functions

None.

6.3 Corrected functions

6.3.1 Inability of changing video input to HDMI by external command

This problem has been fixed.

[Problem from Ver1.20] [Fixed in Ver1.21]

7 About version 1.20

If updating from earlier than Ver1.12, update to Ver1.12 once, then update to Ver1.20 again.

7.1 New functions

7.1.1 USB audio device

A USB audio device (speaker/microphone) can be connected to the USB port. However, there is currently no commercially available USB audio device that the operation performance quality is guaranteed.

Caution: The echo canceller function of this device is disabled when a USB audio device is connected.

7.1.2 Denial of incoming call from unidentified IP

A setting for “Reject unknown call” is added to the “Answer” setting menu. The call from the remote terminal not in the phone book or the private phone book will be denied without displaying the confirmation dialog when this is set to “On”. The shared phone book is not searched. The default is “Off”.

Denied opponent can be confirmed in “Unknown Call” of the “History” menu.

7.1.3 Addition of the address book

A selection of add or replace is added when “Load Phone Book” in the “Service” menu is performed. The previous phone book is erased when replacement is selected. The new phone book is added to the previous phone book when addition is selected. However, the maximum entry of the phone book is 1000, so it cannot be added exceeding that.

7.1.4 Connection of the terminals both under NAT

The terminals both under NAT could not be connected properly when the NAT function was enabled. It is now possible to connect the terminals both under NAT by automatically disabling the NAT function with this version.

However, it is necessary for the remote terminal to support this function.

7.1.5 Support of new annotation tablets

The following tablets are now supported.

- WACOM CTH-490

- WACOM CTL-490

7.1.6 Support of AAC-LD

The audio codec AAC-LD is now supported.

Specification:

- Selected only when connected to a specific third party with H.323.
- It is automatically selected when MPEG4 is enabled as the audio format, and AAC-LC and AAC-LD cannot be individually selected.
- AAC-LC and AAC-LD are not displayed separately in the “Communication Mode Status” screen.
- It is not selected when MCU is activated.

7.1.7 Support of LETTER service command

The “LETTER” service command is now supported. The whole image of the 16:9 video without any cropping is sent to the other party that can only receive the H.264 CIF size by reducing the video to the 4:3 video size when this is in the service command. The sides of the 16:9 video is cropped and sent as 4:3 video when this is not in the service command.

To enable this command, system restart is required after entering the service command.

7.2 Improved functions

7.2.1 Saving the screen layout

It is changed to operate in the previous screen layout when the device is restored after choosing “Standby” with the remote controller, or when restarted after choosing “Power Off” with the remote controller.

[Problem from Ver1.01] [Improved in Ver1.20]

7.2.2 Service command of changing H.239 sending image quality at low rate H.323 connection

The text in presentations can be viewed easier by entering the “H239QD” service command when H.239 is sent in the connection under 512 Kbps.

[Problem from Ver1.01] [Improved in Ver1.20]

7.2.3 Addition of the referrer check ON/OFF menu

The On/Off menu for the referrer check is added to the WEB menu.

The access may become possible when this is turned off when WEB access is not possible in a specific environment.

Caution: Use in the environment where the network security is secure when the referrer checked is turned off.

[Problem from Ver1.01] [Improved in Ver1.20]

7.2.4 Misalignment of audio and video when recording/streaming

Misalignment may occur between the audio and video of the recording/streaming when a new terminal is added or the participating terminal is disconnected in the multi-point connection after executing the recording or streaming. An improvement was made so this misalignment is reduced.

[Problem from Ver1.12] [Improved in Ver1.20]

7.3 Corrected problems

7.3.1 Camera image when H.239 is sent to or received from other conference devices

There was a problem that the sending camera image stops or the receiving camera image is not displayed correctly when the H.239 function is used with PCS-EP or third party devices. This problem has been corrected.

[Problem from Ver1.01] [Corrected in Ver1.20]

7.3.2 Improvement of the received H.239 image quality

The image was displayed blurred by the image not correctly decoded when H.239 in H.263 format is received from Polycom HDX7000. This is now correctly decoded and displayed.

[Problem from Ver1.01] [Corrected in Ver1.20]

7.3.3 The GUI operation was not possible

The GUI became not operable in the following cases.

- When the “TOOLS” button on the remote controller is pressed in the wizard screen
- When the “TOOLS” button on the remote controller is pressed in the “More Options” screen for the “Detailed Dial”.
- When the conference is finished if “Last Number Registration” is “On”.

This problem has been fixed.

[Problem from Ver1.01] [Corrected in Ver1.20]

7.3.4 Displaying of PPPoE Admission Failed

“PPPoE Admission Failed” was wrongly displayed when the password for Administrator 1 was set under the environment using PPPoE.

This problem has been fixed.

[Problem from Ver1.01] [Corrected in Ver1.20]

7.3.5 Operation with some of the HDMI monitor

The following cases have occurred when the device was used connected to some of the HDMI.

- The monitor does not start
- The audio is not output from the monitor
- The video is not correctly output on the monitor

This problem has been fixed.

[Problem from Ver1.01] [Corrected in Ver1.20]

7.3.6 LED when restored from standby

The LED did not illuminate correctly when restored from standby when the network became unavailable during the standby.

This problem has been fixed.

[Problem from Ver1.01] [Corrected in Ver1.20]

7.3.7 “Clear Setup” when the “PCINXGA” service command is used

The “PCINXGA” of the service command is erased after “Clear Setup” in the service menu is executed when the “PCINXGA” service command is set, but the input size from the PC was kept as XGA.

This problem has been fixed so the input side from the PC will not be fixed to XGA.

[Problem from Ver1.11] [Corrected in Ver1.20]

7.3.8 LAN mode when the wireless LAN is used

The “LAN Mode” field in the “Machin status” -> “Peripheral Status” menu is displayed blank when the wireless LAN is used.

This problem has been fixed.

[Limitation from Ver1.11] [Corrected in Ver1.20]

7.3.9 Pass phrase, key information for wireless SSID

The pass phrase and key information for the wireless SSID was lost when the software version update is performed. This problem has been fixed so these are not lost when the version update from an older version or this version is performed.

[Limitation from Ver1.11] [Corrected in Ver1.20]

8 About Ver.1.12

The details are described in this Release Note.

Please be careful about uppercase and lowercase letters of the file name being used for update.

8.1 New functions

None.

8.2 Improved functions

8.2.1 Audio and video asynchronous of recoding and streaming

This issue is improved.

[Problem from Ver1.11] [Improved in Ver1.12]

8.3 Corrected functions

8.3.1 Displaying black video

Black video was displayed on the connection with some other vendor equipment.

This problem has been fixed.

(The problem was confirmed and the fix has been confirmed on Cisco MCU 5300 series)

[Problem from Ver1.11] [Fixed in Ver1.12]

8.3.2 Displaying block noise video

When the presentation was started, block noise video was displayed on the connection with some other vendor equipment.

This problem has been fixed.

(The problem was confirmed and the fix has been confirmed on Cisco MCU 5300 series)

[Problem from Ver1.01] [Fixed in Ver1.12]

8.3.3 Interfering with GUI operation after disconnection by unmatched encryption mode

When new terminal which encryption mode was set to "Encrypt priority" would join to non-encrypted connection, the new connection was rejected by unmatched encryption mode. After that, GUI operation at terminals of existing non-encrypted connection was interfered by high CPU load.

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This problem has been fixed.

[Problem from Ver1.01] [Fixed in Ver1.12]

9 About Ver.1.11

The details are described in this Release Note

9.1 New functions

9.1.1 Wireless LAN Support

With installing wireless option: PCSA-WXC1, wireless LAN function is supported.

9.1.2 Addition of AUTO option into Forward Error Correction (FEC) setting

In wireless environment, using Forward Error Correction (FEC) is recommended.

To be effective this feature, with considering communication with legacy systems, “Auto” option is added in FEC setting.

By adding the AUTO option, the mode of FEC is automatically selected as follows:

Either terminals is FEC OFF:	FEC off
All terminals are FEC ON:	FEC on
Mix of ON and FEC AUTO:	FEC on
All terminals are wired LAN and FEC AUTO:	FEC off
Mix of wired LAN and wireless LAN and all terminals are FEC AUTO	FEC on

Default value of this version is AUTO.

However, even after SW version up being done to this version, in case that the PCS-XC1 has been used with old SW version, FEC setting is inherited from previous value; ON or OFF.

In this case, after updating the software, please change FEC setting to AUTO manually or execute “clear setup through GUI

9.1.3 Addition of function to confirm the Gatekeeper registration status with Web/F

The Gatekeeper registration status can now be confirmed with the information in the Web/F.

9.1.4 Addition of the Gatekeeper registration authentication function

An authentication function by a login name and password when registering to the Gatekeeper is added.

9.2 Improved functions

9.2.1 Improvement of symptom that the presentation picture is displayed small in the reception screen

- The aspect ratio of the image size of the screen that is input to HDMI-IN (PC) of PCS-XC1 sending presentation data*1), communication picture size between the terminals*2), and monitor display image size of the terminal receiving the presentation data were displayed small for the received picture for the following cases. There were following 2 cases to be detailed.

Case 1) *1) 16:9 *2) 4:3 *3) 16:9

Case 2) *1) 4:3 *2) 16:9 *3) 4:3

This symptom is avoided by automatically changing the communication picture size between the terminals*2) for the corresponding cases.

- Depend on PC's output resolution setting, black regions at the 4 edges of the picture source is occasionally added and it is input to PCS-XC1 through HDMI-IN (PC) port. To avoid this phenomenon, a service command "PCINXGA" is newly supported. By using this command, resolution of picture from PC can be limited to XGA. After inputting "PCINXGA" into service command column (or deleting "PCINXGA" from service command column), PCS-XC1 shutdowns automatically. Then, by power on, the setting is enabled.

*) Model the operation was confirmed

VAIO VPCZ21ADZ, SVP1321ADZBI, VPCSP2ADZ, VPCZ13ADZ

Note)

In adding/deleting "PCINXGA", please do not connect cables into HDMI-IN (PC) port.

[Problem from Ver.1.01] [Improved in Ver1.11]

9.2.2 Adjusted the terminal name display position

The display position of the terminal name when the screen is split is adjusted so the terminal name will not overlap too much with the location image of each split screen.

[Problem from Ver.1.01] [Improved in Ver1.11]

9.2.3 Correction of character display

The following 3 points were corrected related to character display.

Korean Part of the guidance displayed at the bottom of the Operation menu may not be displayed correctly.

Swedish The character å was not displayed correctly.

German There was an error in the description in the option for the machine information.

This problem has been fixed.

[Problem from Ver.1.01] [Improved in Ver1.11]

9.2.4 Support of new Russian time zone

Russian time zone changes as of October 26, 2014 have been implemented. In setting Time Zone of Clock Set, some names of time zone and some values of UTC offset have been changed.

[Problem from Ver.1.01] [Improved in Ver1.11]

9.3 Corrected problems

9.3.1 H.239 function with PCS-RS (recording server)

Depending on the combination of PC's output screen size, the connection with PCS-RS was terminated and no H.239 video was recorded.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

9.3.2 Upload the setting file with small size from Web I/F

Uploading the setting file of 16K bytes or less makes illegal configuration.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

9.3.3 Web browser screen refresh (F5) during SW version up with Web I/F

In SW version up with Web I/F, if user execute web browser screen refresh (such as pressing F5 function key), it causes version up failure and reboot fails occurs.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

9.3.4 Cancel on Select Language menu in Wizard

At Select Language menu in Wizard, cancel causes GUI disappearance.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

9.3.5 Camera position after resuming from standby

After resuming from standby, camera position is occasionally different from previous position.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

9.3.6 Connection with PCS-EP

With the connection with the PCS-EP, PCS-XC1 may not correctly receive video when the presentation sent from PCS-EP is received.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

9.3.7 Operation not possible during conference

The operation may not be possible due to the video data not being able to be sent when communication is performed under a network environment with big packet loss and big transmission delay.

This problem has been fixed.

[Problem from Ver.1.01] [Corrected in Ver1.11]

10 About Ver.1.02

The details are described in this Release Note

10.1 Corrected problems

10.1.1 Password for Settings/Administrator 1

Even though a password character string with 4 or more characters were set into the password setting for the Administrator 1, it is stored maximum 3 characters after Power-Off/On.

This problem was corrected in Ver1.02.

[Problem from Ver.1.01] [Corrected in Ver1.02]

11 About Ver. 1.01

The first release of PCS-XC1.

The details are described in this Release Note

12 Restrictions:

12.1 Restriction Items:

12.1.1 Echo regarding distance between monitor(loud speaker) and mic:

The microphone should be put at a certain distance from the monitor/loud speakers by parameter of the "Adaptive Voice Pickup and Sound" menu.

Close and Natural: More than 1.5 meters

Balance: More than 2.5 meters

Wide and Clear: More than 4.0 meters

[Restriction from Ver1.01]

12.1.2 Echo regarding environment:

If echo returns frequently, execution of the following external commands is recommended:

audio delay-calib-start

audio and delay-calib-stop

By executing the above calibration commands, audio delay of monitor and usage environment is measured and echo cancelling is improved.

Note: After the above calibration commands being executed, if some environment is changed, such as changing monitor, monitor settings, change rooms, re-execution of the calibration commands are required.

[Restriction from Ver1.01]

12.1.3 Displayed size of presentation material:

In connecting PC with HDMI IN(PC), we recommend setting your computer's resolution to 1920×1080. The "Presentation" screen may appear small when using other resolutions.

[Restriction from Ver1.01]

12.1.4 The transparency setting with custom bitmap

The transparency setting of the GUI cannot be enabled when using a custom bitmap for the background.

[Restriction from Ver1.01]

12.1.5 Communication mode setting

In the communication mode setting, do not set the video mode to H.264 only. When a terminal with the video mode set to H.263 only and a terminal set to H.264 only

are connected, video cannot be sent or received between the connected terminals since there is no common video mode between them.

[Restriction from Ver1.01]

12.1.6 Connection with the PCS-XG80 (1080 mode)

The video cannot be smoothly decoded, when PCS-XC1 connects with PCS-XG80 (1080 mode), the video mode is H.264, and the resolution is 1080p. When connecting with the PCS-XG80, use the Standard mode on the PCS-XG80S.

[Restriction from Ver1.01]

12.1.7 Output of the voice of the opponent

A sound effect noticing the completion of connection is issued when the connection is completed. The voice of the opponent will be output on either side from approximately 1 second before this sound effect is issued.

[Restriction from Ver1.01]

12.1.8 Recording

There is a limitation of time for single recording. Single recording is saved as one file on the USB memory. The maximum size of this file is 2 GBytes.

The recording stops automatically when a single recording exceeds 2 GBytes or if there is not enough free space on the USB memory.

[Restriction from Ver1.01]

12.1.9 IPv4 / IPv6

Either IPv4 or IPv6 can be set and used as the Internet protocol.

Simultaneous usage of IPv4 and IPv6 is not supported.

[Restriction from Ver1.01]

12.1.10 When using the Web function

The Web function is a function to change the control and settings on the PCS-XC1 by accessing the PCS-XC1 from the Web browser (Internet Explorer) on the PC. Internet Explorer is a product of Microsoft. Use version 7.0 or later.

[Restriction from Ver1.01]

12.1.11 Passphrase and Key Information for wireless SSID

Passphrase or Key for the last connected SSID is stored in PCS-XC1 and user can

use the stored SSID without inputting Passphrase or Key.

In case that the last connection is WEP/WPS, PCS-XC1 stores only the last one key.

In case that the last connection is WPA/WPA2, PCS-XC1 stores the latest multiple passphrases; WPA/WPA2 passphrases within the latest six connected SSID's.

However, after SW version up, the passphrases and keys disappear. Therefore, after SW version up, please input passphrase or key for target SSID.

[Restriction from Ver1.11] [Corrected in Ver1.20]

12.1.12 Wireless LAN

In Wireless LAN being selected at Line I/F->Network connection menu, when PCS-XC1 is launched without USB Wireless LAN Module IFU-WLM3, Wired LAN works for user convenience. However, this setting is not appropriate and some functions do not work, such as PPPoE, IPv6.

In case of using Wired LAN, Wired LAN should be selected. To select Wired LAN, the following two methods are available:

- 1) Launch PCS-XC1 with USB Wireless LAN Module IFU-WLM3, then select Wired LAN at Line I/F->Network connection menu.
- 2) Select Wired LAN at Line I/F->Network Connection menu of Web U/I.

[Restriction from Ver1.11]

12.1.13 Pin Code method of WPS

In executing Pin code method of WPS, after pressing "Generate" button at WPS window, execute connect from Access Point. In this case, please do not press "WPS" button on PCS-XC1 GUI. "WPS" causes push method and it does not work for pin-code method.

PCS-XC1 supports pin code method with code generated by PCS-XC1. PCS-XC1 does not support pin code method with code generated by access point.

[Restriction from Ver1.11]

12.1.14 LAN mode of Peripheral Status for Wireless LAN

In Wireless LAN being selected, LAN mode of Peripheral Status menu is blank.

[Restriction from Ver1.11][Corrected in Ver1.20]

12.1.15 SSID list in Wireless Security Menu

If SSID of expected access point is not shown in SSID list in Wireless Security

Menu, press “Refresh” button again. By retrying “Refresh” a couple of times, SSID list is updated continuously.

[Restriction from Ver1.11]

12.1.16 AMX device discovery is not supported for Wireless LAN

In Wireless LAN being selected, AMX device discovery is not supported. Please select Wired LAN in using AMX device discovery.

[Restriction from Ver1.11]

12.1.17 Network routing check for Wireless LAN

In Wireless LAN being selected, by executing Network Routing Check in Machine Status, Gateway result is shown NG. It does not affect actual usage.

[Restriction from Ver1.11]

12.1.18 Clear setup in using PCINXGA

In case of using PCINXGA service command, if user executes Clear Setup at service menu, PCINXGA disappears from service menu. However, resolution from PC is still fixed to XGA.

To recover from this case, put PCINXGA at service menu, reboot firstly, and delete PCINXGA from service menu, reboot, again.

[Restriction from Ver1.11][Corrected in Ver1.20]

12.1.19 Multiple PCS-XC1's connected with one access point

In case that multiple PCS-XC1's are connected with one common access point and communicate between these PCS-XC1's, it occasionally causes packet loss or delay.

[Restriction from Ver1.11]

13 Known Issues

13.1 Known Issue Items:

13.1.1 GUI in creating/editing the phonebook

The GUI screen may flicker when creating/editing the phonebook.

[Problem from Ver1.01]

13.1.2 Non-synchronization of the audio and the video of the recording or the streaming

Apart from the modified problem at Ver1.12, another asynchronous problem between Audio and Video at Recording or Streaming may happen when the PCS-XC1 joins a multipoint connection. In order to avoid this problem, please follow the usage shown below.

When Recording/Streaming starts after a new location joins or an existing participant escapes at a multipoint connection, Audio and Video may not be synchronized at replay of this Recording or Streaming data even at the endpoint side. Please stop the Recording/Streaming then restart it to recover synchronization.

[Problem from Ver1.12]

13.1.3 Changed home background image is reflected after turning power off and on

Changed home background image to picture file or to original video input is reflected after turning power off and on.

[Problem from Ver.1.20] [Corrected in Ver1.30]

13.1.4 H.239 video transmission time

During the point-to-point connection or multipoint connection, it may take time for the H.239 video to be displayed when the following models send it.

Applicable models: PCS-XG80/XA80/XG55/XA55/XL55/G60

[Problem from Ver. 1. 02] [Corrected in Ver1.30]

13.1.5 Echo canceler when “MIC+AUX” is set for audio input

If the audio input is set to “MIC+AUX” using the Audio setup menu or the function key function during communication, the echo canceler function is disabled even when “Echo Canceler” is set to “On”. To enable the echo canceler function, first set “Echo Canceler” in the Audio setup menu to “Off”, and then set it back to “On”.

The same is true when using the Web function.

This is a problem that has existed since the “MIC+AUX” setting by the external control command was supported in Ver. 1.01.

[Problem from Ver.1.01] [Corrected in Ver.1.31]

13.1.6 The echo canceller does not operate when switched to a microphone from a USB audio device

The echo canceller may not operate correctly even if it is enabled when the setting to use a USB audio device is switched to the setting to use a microphone.

Restart the main unit if the echo canceller does not operate after a while.

[Problem from Ver.1.20] [Corrected in Ver.1.32]

14 Port numbers

The port numbers used except for video conference protocols are listed below.

Signal	Port number	Type
Telnet	23	TCP
Telnet	50000	TCP
SSH	22	TCP
Web	80	TCP
DHCP	68	UDP
NTP	123	UDP
SNMP	161	UDP
AMX Device Discovery	239.255.250.250 : 9131	UDP multicast

15 Upgrade Method

15.1 Precaution for upgrading

Take note on the following point when performing upgrade.

- Perform upgrade at a location with an excellent power supply condition. Upgrade is not performed correctly when a power outage, etc., occurs during the upgrade, which may cause the system to be unable to boot.
- Perform upgrade with Wired LAN. Since Wireless LAN is less stable than Wired LAN, upgrade occasionally fails and causes launch failure.
- Please be careful about uppercase and lowercase letters of the file name being used for update.

15.2 Upgrading method using the USB memory

Upgrading procedure with the USB memory

Upgrade in the following procedure.

1. Prepare a USB memory (512 MByte or larger).
 © File to be used: **[Dolphin_c_13300.upd]**
 Please be careful about uppercase and lowercase letters of the file name.
2. Copy the above file to the root directory of the USB memory.
3. Insert the USB memory to the main unit and turn the power on.
4. The application boots and the progress screen is displayed.
5. It automatically reboots once the upgrade is completed.
6. Once the home screen is displayed after rebooting, confirm that the host version is **1.33.00**.

15.3 Upgrading method using the Web

Upgrading procedure with the Web

Upgrade in the following procedure.

1. Start the Web browser and log in to the main unit.
2. Select the “Setup” tab.
3. Click on the “Version Up” button at the bottom left of the browser.
4. The Version Up screen is displayed, so specify the file to browse.

© File to be used: **[Dolphin_c_13300.upd]**

Please be careful about uppercase and lowercase letters of the file name.

5. Once the file is specified, click on the “Upload” button.
6. Once the file transfer started, “File Uploading ...” is displayed.

In file's uploading, please do not execute “refresh page” of Web browser.

7. Once the file transfer is completed, "Uploading upgrade files to PCS-XC1 has been completed. You may shut down your browser. Installation procedures for PCS-XC1 start soon. Never power off the unit during installation. After the completion of installation, PCS-XC1 restarts automatically." is displayed, and the upgrade progress screen is displayed on the main unit.
8. It automatically reboots once the upgrade is completed.
9. Once the home screen is displayed after rebooting, confirm that the host version is **1.33.00**.