

## Release Notes for PCS-TL50 – V2.42 Software

Release version 2.42 has been issued to only provide fixes to the PCS-TL50 terminal; these fixes can be found later within this document under 'Improved Functions Ver2.42' & 'Fixes & resolved issues Ver2.42' sections.

### Contents

- **New Functions**
- **Improved Functions (Ver2.42 & 2.41)**
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These release notes provide essential information for the latest software version available for the Sony PCS-TL50 that can be found at [ftp.sony-europe.com/](http://ftp.sony-europe.com/)

New software is made available to maintain and enhance the product(s) and their lifetime within our portfolio, it is always recommended to utilise the most recent version of software available for any product to ensure full performance and reliability is maintained at all times.





## Videoconferencing

### **PCS-TL50 Version 2.41 – New Functions**

#### **Added compatibility over NAT/firewall (H.460)**

Support was added for H.460.18 and H.460.19. Therefore, PCS can be used over NAT/firewall through a traversal server. When using this function, changes may be required for the firewall settings. Check the network environment and test the operations before use.

At the time of release (June 2007), operations have only been verified over the following traversal server: Tandberg Border Controller from Tandberg.

#### **Added Shared Phone Book function (H.350)**

The conventional PCS unit has a private phone book for managing data that is saved to a MemoryStick. An additional shared phone book function has been added. With this function, multiple PCS units can use the same phone book. The shared phone book can be sent to any PCS unit on the network, but the entries cannot be copied, registered, changed, or deleted from the PCS. Furthermore, data from the phone book is deleted from the PCS when it is turned off.

The shared phone book does not support multi-point connections with different types of circuits.

At the time of release (June 2007), operations have only been verified using the following as the shared phone book server: iView from Radvision.

The system uses a directory server or H.350/LDAP server as the shared phone book server, so the PCS can use phone book data on networks that conform with H.350/LDAP.

#### **Added display of terminal name on split-screen during a multipoint conference**

When child terminals are displayed on split-screen display (4-split, 6-split) during a multipoint connection, the name of the terminal now appears when the terminal is connected. Even when PCSTL50 is used as the MCU, terminal name information from each point in the conference is sent to each of the connected child terminals.

#### **Added new service command to change the size of the DTMF dialog box**

When using the DTMF function, a dialog box displayed a message that DTMF was being used. However, this dialog box was large and sometimes interfered with the display of the remote image. Therefore, a service command has been added to change the dialog box into a small icon. The service command is named "DTMF".



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### PCS-TL50 Version 2.42 – Improved Functions

#### **Improved E.164 Service Menu**

When using [Service command ENUM] Gatekeeper, the E.164 number is now displayed as the remote terminal name instead of the incoming E.164 alias number.

### PCS-TL50 Version 2.41 – Improved Functions

#### **Improved the error status relating to the IP network in the launcher display**

The error and registration status for SIP, Gatekeeper, UPnP, DHCP, and PPPoE are displayed on the launcher menu. If registration is successful and the IP network can be used without errors, the status is not displayed.

The following indicates the displayed information. (Multiple messages are not displayed at once. The following information shows the messages in the order of lowest priority to highest priority displays. The lowest information about PPPoE status is displayed first.)

<b>Displayed message</b>	<b>Status</b>
SIP : Registration Requested	Registering to the SIP server
SIP : Registration Failed	Failed to register to the SIP server
Gatekeeper: Registration Requested	Requesting registration to Gatekeeper
Gatekeeper: Registration Failed	Failed to register to Gatekeeper
DHCP: Assigning	Acquiring IP address from DHCP server
DHCP: Assignment Failed	Failed to acquire IP address from DHCP server
UPnP: Registration Requested	Registering UPnP
UPnP: Registration Failed	Failed to register UPnP
PPPoE: Admitting	Authenticating PPPoE
PPPoE: Admission Filed	Failed to authenticate PPPoE

Note: A function (on the normal setting menu) can switch between showing and hiding buttons and other displays on the launcher. When the number display is set to "Hide", error status related to IP networks is not shown either.

#### **Improved the communication status display during IP connection**

The first display of communication status (communication mode, LAN status) after ending a conference was held. After ending a conference, the communication mode and LAN status can now be rechecked in the communication status. However, if the PCS is turned off or a new conference is started, this data is erased.

During a multipoint conference, the LAN status at each connection point is divided into pages for display. When an MCU device is used during a multipoint connection, the LAN status can be verified at each point.

The display for LAN status has been changed. The bit rates for transmission and reception have been added to the H.239 item. The number of missing packets on the network, the number of packets recovered with the QoS function on the PCS, and the total number of packets received during a conference are displayed separately for the Audio, Video, and H.239 streams.

#### **Added detail for error codes when a conference ends or terminates unexpectedly**

Previously, the exact reason for disconnection was not displayed when the line was disconnected. This has been improved so that the detailed reason is displayed. The following codes indicated the reason for ending a conference for each type of connection.

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When using external control commands (AMX/Creston) on the PCS with a system that connects and disconnects conferences, program changes may be required.

Connection type	IP	ISDN	SIP
<b>Reason for disconnection</b>			
User's terminal disconnected normally	245	16	0
Remote terminal disconnected normally	246	16	0
Video/audio data not received for at least 60 seconds	244	-	244
Data transmitted, but no reply received from remote terminal	177	217	177
Remote terminal canceled reception	200	21	32
User's terminal canceled broadcast	246	16	0

### Improved FTP upgrade software

When using an FTP package for the PCS software upgrade, the upgrade was not performed correctly when using Microsoft Internet Explorer Ver. 7 on Windows XP or Windows VISTA. This problem has been corrected so that it operates under all environments.

Note: When using Windows VISTA with the Windows Firewall enabled, the FTP upgrade tool will not operate correctly the first time that it is executed. In this situation, rerun the FTP upgrade tool. The tool will operate correctly after the first failed time. Another option is to disable the Windows Firewall.

### Improved the name display on the address book

When an entry is highlighted in the address book menu, the name in the address book is now displayed at the bottom of the screen as well as the number.

Previously, only the number that was registered in the address book was displayed at the bottom of the screen.

### Added UPnP router compliance

Compliance has been added for the following UPnP routers.

- From Buffalo Inc.: BBR-4MG, BBR-4HG
- From Yamaha Corp.: RT-58i

### Added limits to text input in Web I/F

In order to ensure system stability, the input text is checked and limits are placed to keep prohibited character codes (such as commas) from being used in the host name.



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### **PCS-TL50 Version 2.41 - Restrictions & Limitations**

#### **NAT problem with some 'basic model' xDSL Routers using Port forward tables**

When using terminal with xDSL line and configure terminal with NAT routing with port forward table assigned to the router external calls sometimes cannot be placed or received correctly. Call connects correctly with H225 but no H245 exchange happens for UDP packets for video/audio, the call then disconnects. If using system within LAN/WAN IP network or ALG firewall routers and Firewall transversal servers all calls function correctly.

[Problem since PCS-TL50 Ver 2.40]

#### **When the conference was disconnected while using DSB to send PC images, during the next conference, PC images cannot be sent correctly the first time during the next conference.**

When using continuous still images instead of dual stream with H.239 or an original method to send PC images, if the conference was disconnected without stopping the PC image sending, the next conference cannot correctly send PC images using H.239 or an original method. PC images are sent by using continuous still images when connected to PCS-1600 or other terminals that do not have the ability like PCS-1 to send or receive PC images using dual stream with H.239 or an original method. If this problem occurs, stop sending PC images and then restart sending the images. The images are sent and received correctly after starting again for the second time.

#### **Problem with migrating camera settings**

When Ver 2.1x or earlier is upgraded to Ver 2.20 or later, the settings that were configured within the camera settings menu are not carried over.

If upgrading from Ver 2.1x or earlier you may need to reconfigure the camera settings.

[Problem from Ver 2.20]



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### PCS-TL50 Version 2.42 – Fixed problems

**In multi-point connections, when a terminal was fixed to the large area of a six-way split screen, the name was not displayed correctly on sub terminals when terminals left or entered the conference.**

When using six-way split screen setting with a fixed terminal displayed in the largest area during a multi-point conference, whenever a terminal left or entered the conference and the terminal name display or information changed, that information was not always sent correctly from the MCU to all of the sub terminals. This problem has been corrected by ensuring that changes to the terminal name display and information is properly sent.

(Problem from Ver 1.0) [Corrected in Ver 2.42]

**If an audio telephone was connected after performing IP communication, there would sometimes be no sound, or noise would occur.**

When connected with an audio telephone, there was an error in the initialization process on the audio mode and this problem occurred only after IP communication.

The following steps had to occur to create this error:

1. Turn on PCS
2. Connect audio telephone
3. Hang up
4. Start IP connection
5. Hang up
6. Connect audio telephone ← Problem occurs at this step

Normal telephone connection can be performed after ISDN connection. This problem has been corrected.

(Problem from Ver 1.0) [Corrected in Ver 2.42]

**Audio telephone mixed with ISDN site in multi-point conference, the video mode became H.261.**

When using audio telephone connection, the receivable video mode is identified as H.261, so the video mode used during the conference is changed to H.261. This problem has been corrected.

(Problem from Ver 2.40) [Corrected in Ver 2.42]

### PCS-TL50 Version 2.41 – Fixed problems

**When the phone book had at least 32 entries with images attached, entries could not be copied or all deleted at once.**

When either the normal phone book or private phone book had at least 32 entries with images attached, attempting to save, load, or delete the phone book in the Administrator settings restarted the PCS without correctly saving, loading, or deleting. Individual entries could be deleted or registered correctly. This problem has been corrected.

(Problem from Ver 2.40)[Corrected in Ver 2.41]

**When ISDN is used in a multipoint connection, if the connection to the first point uses a higher number of lines than the MCU settings, then the second and later points are connected using the number of lines in the first point to avoid being treated as secondary terminals.**

When ISDN was used in a multipoint connection, if the connection to the first point used a higher number of lines than the value configured in the MCU settings, then the second and later points were



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connected using the number of lines for the MCU setting and were treated as secondary terminals. In the corrected situation, the second and later points are connected using the number of lines for the first point so that audio and video information can be sent and received correctly.  
This function only works correctly during Bonding connection. (This function is not supported in nxB connection.)

(Problem from Ver 1.02)[Corrected in Ver 2.40]

### **When using Microsoft IE7, some settings cannot be configured properly from the PCS Web interface**

The communication mode setting for PCS could not be configured properly when using Microsoft Internet Explorer Ver 7. This problem has been corrected.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]

### **Another error message was displayed over the message for upgrading the peripheral devices**

When upgrading software for peripheral devices such as ISDN BOX or Data Solution Box, the message "Now upgrading. Do not turn off your system while upgrading." appears. If an error occurred while upgrading, an error message appeared over "Now upgrading..." and the first message could not be seen. This problem has been corrected so that the message "Now upgrading..." now appears to the front while upgrading peripheral devices.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]

### **When using an ISDN line connected to a PBX (switching system) for a long time, making/receiving a call could not be performed properly**

In ISDN BOX, the reception process of a StatusEnquiry message received from a PBX was defective, and properly making/receiving a call after the process was impossible. This problem has been corrected by fixing the StatusEnquiry message reception process.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]

### **Information about the connected conference was not recorded properly in the call log**

The following three problems have been corrected:

- \* Some IP communication rates were not output
- \* Some ISDN line rates were not output
- \* Some reasons for disconnection were not recorded properly in the call log.

The reasons for disconnection were changed in this version. See "Added detail for explanatory codes when a conference ends (is disconnected)" under Improved Functions.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]

### **Problems displaying messages from external control commands**

When external control commands were continuously sent in order to connect to multiple terminals, the message "connect complete" that is usually sent after correct connection was not displayed properly.

This problem has been corrected.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]

### **When connecting with SIP to an SIP Phone (SIP terminal that does not have some of the SDP abilities), the PCS-1 rebooted.**

When SIP connection was used to connect the PCS-1 to an SIP terminal (a terminal that does not have some of the SDP abilities (such as bandwidth), the PCS rebooted. This problem has been corrected.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]



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### **Corrected problem with current time display**

For some reason, the current time on the clock started deviating from the actual time. This problem has been corrected.

(Problem from Ver. 1.02)[Corrected in Ver. 2.40]

### **The data from bit streams passed from PCS-1/TL50/TL30 units became corrupted under certain conditions, so that when PCS-G70/G50 received the data, the video appeared with a slight greenish tint (during video mode H.264).**

The following problem occurred when the video mode is H.264 CIF. It did not cause problems in other video modes.

When the bit rate for the PCS-1 encoder was too high, the bit rate was adjusted by skipping frames. When the frame skipping occurred at the same time as the regular intra-frame sending, part of the bit stream sent from the PCS-1 became corrupted. When the corrupted bit stream entered the video decoder processing area of PCS-G70/G50, the error processing could not be performed correctly and the video became distorted. The error processing could be performed correctly with the video decoder processing area of PCS-1, so the problem did not occur when receiving video on PCS-1.

For the problem with the PCS-1 encoder: (Problem from Ver. 1.00)[Corrected in Ver. 3.40]

For the problem with the PCS-TL50 encoder: (Problem from Ver. 1.00)[Corrected in Ver. 2.40]

For the problem with the PCS-TL30 encoder: (Problem from Ver. 1.00)[Corrected in Ver. 1.30]

### **When using IP connection with a multipoint conference and when sending PC images from the terminal with DSB, the sent video was sometimes delayed from the MCU.**

The sending bit rate for the video sometimes was not determined correctly on the MCU. In this situation, the sent video from the MCU would be delayed by several seconds. This problem has been corrected.

(Problem from Ver. 2.32)[Corrected in Ver. 2.40]

### **When loading settings, the IPPrecedence value in the ToS settings returned to the default value.**

When loading the settings, the ToS/IPPrecedence value in the LAN settings returned to the default value. This problem has been corrected.

(Problem from Ver. 2.0)[Corrected in Ver. 2.40]

### **Problem with name displays in the shared phone book**

When one entry was selected in the shared phone book, the displayed information was different from the selected name. This problem has been corrected.

(Problem from Ver 1.02)[Corrected in Ver. 2.40]



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### Software Revision History

Version	Date	Major features
Ver 1.02	2004/10/13	<b>New Functions Added</b> <ul style="list-style-type: none"><li>• German, French, Spanish, Italian, Portuguese, and Simplified Chinese supported</li><li>• LCD controller version upgrade function supported (service command)</li><li>• LCD controller image quality adjustment parameter setting supported (service command)</li><li>• CTE-600 supported</li></ul> <b>Functions Improved</b> <ul style="list-style-type: none"><li>• Setup menu's wording changed</li></ul> <b>Specifications Changed</b> <ul style="list-style-type: none"><li>• Group expression of the one-touch button changed (1 to 30 → 1-1 to 5-6)</li></ul> <b>Problems Corrected</b> <ul style="list-style-type: none"><li>• Display problems</li><li>• Stripes appear on the communication screen</li><li>• AutoSPID problem in PCS-B384</li><li>• Display problem of VGA-60</li><li>• 5. Noise when switching the screen mode</li></ul>
Ver 1.03	2004/11/12	<b>Functions Improved</b> <ul style="list-style-type: none"><li>• Status change of the PC/VIDEO button during video conference communication</li></ul> <b>Problems Corrected</b> <ul style="list-style-type: none"><li>• DSB transmission problem during multipoint cascade connection</li><li>• Problem when the PC/VIDEO button is pressed several times during the video conference</li><li>• 3. Problem while switching the screen by a remote controller operation</li></ul>
Ver 2.00	2005/02/09	<b>New Functions Added</b> <ul style="list-style-type: none"><li>• MCU On The Fly supported</li><li>• SIP(Session Initiation Protocol) supported</li><li>• SNMP Private MIB supported</li><li>• Supported languages (Traditional Chinese, Korean, Dutch, Swedish, Danish, Finnish, Polish, and Russian)</li><li>• LCD controller auto upgrade function</li><li>• OSD display of the wide mode and input switch function</li><li>• Disconnection dialog GUI when MCU is enabled</li><li>• IPELA supported</li><li>• Setting of DSB OUT</li><li>• Default icon of the one-touch icon</li><li>• LAN mode display function to the HELP screen</li><li>• Listed pictures displayed by priority when registering the address book</li></ul> <b>Functions Improved</b> <ul style="list-style-type: none"><li>• Port number range display function</li><li>• Network access prohibition setting</li><li>• Sub menu display of the block receipt setting during communication</li><li>• NAT of Gate Keeper supported</li><li>• Camera setting values can be saved</li><li>• Enhanced image quality of JPEG thumbnails</li><li>• Maximum ring tone volume adjustment</li><li>• Position adjustment of the DSB data sending indicator</li><li>• Upgrading of LCD controller using FTP</li></ul> <b>Specifications Changed</b> <ul style="list-style-type: none"><li>• The model name display when logging in via TELNET has changed.</li><li>• The model name displayed when sending externally controlled status machine commands has been changed.</li><li>• The function that displays the hardware version of the LCD controller is added.</li></ul> <b>Problems Corrected</b> <ul style="list-style-type: none"><li>• The problem that the screen shifts upon receiving DSB data after the PCS screen has been enlarged to a full screen with the PandP button</li><li>• The problem of echo sounds when using a headset</li><li>• The problem of echo sounds when CTE is set to AUX IN</li></ul>

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		<ul style="list-style-type: none"> <li>The problem during the H. 320 MCU G. 722 connection</li> </ul>
Ver 2.10	2005/04/16	<p><b>New Functions Added</b></p> <ul style="list-style-type: none"> <li>Arabic supported.</li> <li>Camera Shutter Movement function</li> <li>"Packet Loss" Indicator OFF function</li> <li>Echo canceller improvement</li> <li>Dual Screen Display State Maintain function</li> <li>Function for changing the customer logo in the launcher</li> <li>Camera Zoom Range Limitation function</li> <li>ISDN Connection to Europe or USA (NOCIPN, SNDCMP, NOSC)</li> </ul> <p><b>Functions Improved</b></p> <ul style="list-style-type: none"> <li>Echo canceller improvement</li> <li>Improved display image quality by simulating the PC input SXGA resolution</li> </ul> <p><b>Problems Corrected</b></p> <ul style="list-style-type: none"> <li>Corrected problem: Opening and closing the camera shutter results in overexposure</li> <li>Corrected problem: Help is not displayed when using one-touch dial</li> <li>Corrected problem: After displaying the Setup Menu during transmission, cancelling disconnection leaves the PinP on the screen.</li> <li>Corrected problem: After displaying a still image during multipoint conference, PinP is displayed once all of the screens have been disconnected</li> <li>Corrected problem: Changing screens when DSB OUT is connected to the system's RGB</li> <li>Corrected problem: Even if the Web Access setting was turned off, access was still allowed.</li> <li>Hang-up problem upon registering an address in the address book after disconnection</li> <li>Input switching problem in the external control command mode</li> <li>Line type display problem in the launcher's direct dial</li> <li>Image quality settings are erased in the LCD Controller</li> <li>The power turns on even when power switch is not pressed</li> <li>Memory Stick auto transmission cannot be performed in the standby state</li> <li>The terminal name is displayed garbled during multipoint connection</li> <li>Sending DSB data problem when communicating with LAN encryption</li> <li>Problem of part of the image blurring with DSB transmission or reception over an ISDN connection</li> <li>Problem sending DSB data with a mixed LAN, ISDN cascade connection</li> <li>ISDN connection problem in Poland</li> <li>Problem setting the Web Control PPPoE setting</li> <li>Problem with the displayed characters in the one-touch dial address book</li> <li>Corrected problem: Images are not sent correctly when connecting to a PCS-1500 over a LAN connection</li> <li>Problem with H.239 when connecting to Polycom VSX with an ISDN connection</li> <li>Problem if Send and Cancel are pressed repeatedly the beep sound may be disabled</li> <li>Problem displaying a new terminal entering a multipoint conference call</li> <li>When receiving an incoming call during a point-to-point conference with "On The Fly" function, pressing cancel causes the screen to change</li> <li>Problem connecting while using GateKeeper</li> <li>Problem when the MCU mode is set to "Auto", and two conferences in ISDN point-to-point connection are connected in cascade over a LAN</li> <li>A malfunction occurs when characters exceeding 30 bytes are registered for the host name on Web I/F.</li> <li>A correct terminal name was not displayed during cascade connection.</li> <li>Problem when NEC MediaPoint is connected over multipoint connection</li> </ul>
Ver 2.10A	2005/07/01	<p><b>Problem Corrected</b></p> <ul style="list-style-type: none"> <li>The FAN does not stop even after entering the standby mode. [LCD controller]</li> </ul>
Ver 2.10P01	2005/07/08	<p><b>Problems Corrected</b></p> <ul style="list-style-type: none"> <li>Controller hang-up when the LCD controller version is upgraded while the wizard is displayed</li> <li>Transmission cannot be performed when the identical number is registered on ISDN 2B to the one-touch registration address book.</li> <li>The unit resets when an ISDN UNIT is connected.</li> </ul>

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		<ul style="list-style-type: none"> <li>Supporting reinitialization when codec operation is unstable</li> </ul>
Ver 2.11	2005/09/28	<p><b>New Functions Added</b></p> <ul style="list-style-type: none"> <li>One Touch Far/Near Switching Function</li> <li>New Camera Support (Pb free)</li> </ul> <p><b>New Service Commands Added</b></p> <ul style="list-style-type: none"> <li>DISMS</li> <li>NOLPSAVE</li> </ul> <p><b>Problem Corrected</b></p> <ul style="list-style-type: none"> <li>When holding a multipoint conference, the settings for number of used lines and the used bandwidth has been corrected to give preference to internal multipoint settings.</li> <li>The initial image output from DSB RGB OUT should be the PC image, but the camera image was output instead. This problem has been corrected.</li> </ul>
Ver 2.20	2005/12/01	<p><b>New Functions Added</b></p> <ul style="list-style-type: none"> <li>UpnP support</li> <li>SIP Function Expansion (when using optional software PCSA-SP1) Hold / Forward / Sending and receiving DSB data / Changing the broadcaster / Whiteboard drawing / Remote camera control / One-touch forwarding (including changing the input on other terminals) / Video codec mode MPEG4 support / Encrypted connection / Simultaneous transmission in SIP multipoint conference</li> <li>Choose what information about the user's terminal to display on the launcher screen.</li> <li>PKS**** service command added</li> <li>Standard encryption support</li> <li>Saving/loading function of each setting supported</li> <li>White balance auto/fix switching function</li> </ul> <p><b>Functions Improved</b></p> <ul style="list-style-type: none"> <li>Standardization of multipoint circuit classes</li> <li>Displaying the H.239 presentation capability on the communication status display</li> <li>Displaying the MCU broadcast mode in full screen when there is only one child terminal</li> <li>TOS (TypeOfService) settings in the LAN settings can be set by data type</li> <li>Improvements of Web</li> <li>Muting MIC/LINE IN while the DTMF tone transmission window is displayed</li> <li>Key other than the PowerOn button returns the unit from standby</li> <li>Eliminating the case where the bit rate of automatic rate control (ARC) Video falls 0</li> <li>Pressing and holding the Far/Near key can change the unit (Far/Near) to control the camera</li> </ul> <p><b>Specifications Changed</b></p> <ul style="list-style-type: none"> <li>The name of the button for stopping continuous still pictures are changed from "Release" to "Stop"</li> <li>Priority of information on the number of lines to be used and the band to be used during multipoint conference (prioritizing the internal multipoint setting)</li> </ul> <p><b>Problems Corrected</b></p> <ul style="list-style-type: none"> <li>Auto transmission function of Private Phone Book</li> <li>Correct operation cannot be done when camera controls from the user's terminal and from another terminal conflict.</li> <li>When H.320 MCUs (more than two child terminals) are connected in the G722 audio mode, if one point is disconnected, the audio mode of the terminal changes to G.728.</li> <li>When the forwarded connection is not on auto answer and when the user cancels the call, the user's terminal cannot return to the two-party call (when H.323 MCU option is not installed).</li> <li>NAT On settings do not function.</li> <li>The sub address function does not work correctly on an ISDN connection.</li> <li>During an SIP connection, a ringback tone does not sound correctly on the terminal from which the signals are transmitted.</li> </ul> <p><b>Problems in Ver 2.20</b></p> <ul style="list-style-type: none"> <li>In a cascade connection that includes ISDN connection, the video signals may not be properly transmitted when ISDN terminals exist as the child terminals of both of the two MCU terminals, and the ISDN terminals are connected with different line speeds or different audio codec modes with the same line speed.</li> <li>When holding a multipoint conference in ISDN using the "OntheFly" function, if signals are received by more phone numbers than the specified number of lines for each point during the</li> </ul>

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		<p>MCU, the signals cannot be received after the second point.</p> <ul style="list-style-type: none"> <li>When you are connected to a terminal in ISDN connection, if you try to connect to that terminal in SIP connection, the error process does not properly function, and an error occurs in the ISDN terminal that has already been connected. (The same happens in the case where you try to connect a terminal in ISDN connection when it has already been connected in SIP connection.)</li> <li>When the first point has established a multi-point conference over IP telephony, VoiceOnly is not displayed correctly on the split screen after a terminal with video signals has participated after the second point.</li> </ul>
Ver 2.21	2005/12/02	<p><b>Problems Corrected</b></p> <ul style="list-style-type: none"> <li>Correction of the LCD version display problem and the display-switching problem</li> </ul>
Ver 2.22	2006/04/26	<p><b>Problems Corrected</b></p> <ul style="list-style-type: none"> <li>When sending the presentation data over a low bit rate IP connection, the data transmission rate temporarily became faster and the other terminal was sometimes unable to receive the data correctly due to this burst in speed. (The smoothing process did not function properly when transmitting presentation data at a low bit rate.)</li> <li>Improper error message appeared when an unplugged endpoint was called.</li> <li>Receiving the fast update request from the remote terminal, there was some cases where encoding process in intra mode did not work normally.</li> <li>Any messages of launcher's menu is not displayed.</li> <li>Receiving the fast update request from the remote terminal, there was some cases where encoding process in intra mode did not work normally.</li> </ul>
Ver 2.31	2006/08/09	<p><b>New Functions Added</b></p> <ul style="list-style-type: none"> <li>Thai language support.</li> <li>IPELA VC Link is supported in Japan only.</li> </ul> <p><b>Functions Improved</b></p> <ul style="list-style-type: none"> <li>GUI improvement</li> <li>Audio quality improvement</li> <li>Display of a NAT mode is changed</li> <li>The name of the video mode "H.263 Interlaced SIF" on the communication status is changed.</li> </ul> <p><b>Problems Corrected</b></p> <ul style="list-style-type: none"> <li>When a conference was connected through an IP connection for a long period of time, the connection sometimes severed under certain environments.</li> <li>A problem occurred where presentation data was not sent correctly by H.239 during a connection to a Tandberg MPS.</li> <li>A problem occurred where the GateKeeper registration did not match and the PCS could not be connected to GateKeeper correctly.</li> <li>When router and PCS that PPPoE worked were connected to the same Hub, PPPoE does not work.</li> <li>The transmission bitrates of the image fell down to 0 occasionally by the fact that the delay is large and under a bad network conditions.</li> <li>The machine of a certain MacAddress did not operate correctly occasionally. It overlaps with the port that the port number used by an internal process communication uses to communicate with the outside.</li> <li>Mic audio is output by a PCS's speaker when PCS's power is on from stand-by mode.</li> </ul>
Ver 2.31P01	2006/09/01	<p><b>Functions Improved</b></p> <ul style="list-style-type: none"> <li>This version prevents the terminal from becoming a secondary terminal during an ISDN multipoint conference even when the FECC ON and OFF terminals coexist, so that images and sounds can be properly transmitted.</li> </ul> <p><b>Problems Fixed</b></p> <ul style="list-style-type: none"> <li>Error message display problem when using the IPELA VC Link service (Japan only)</li> <li>When the "PKS****" service command, which changes the video packet size, is executed, the setting of the maximum MPEG-4 Video packet size is wrong. This problem has been corrected.</li> </ul>
Ver 2.40	2007/07/12	<p><b>New Functions Added</b></p> <ul style="list-style-type: none"> <li>Added compatibility over NAT/firewall (H.460)</li> <li>Added Shared Phone Book function</li> <li>Added display of terminal name on split-screen display during a multipoint conference</li> <li>Added a service command to change the size of the DTMF dialog box</li> </ul>



## Videoconferencing

		<p><b>Functions Improved</b></p> <ul style="list-style-type: none"><li>• Improved the launcher display for error status relating to the IP network</li><li>• Improved the communication status display during IP connection</li><li>• Added detail for explanatory codes when a conference ends (is disconnected)</li><li>• Improved the name display on the address book</li><li>• Added UPnP router compliance</li><li>• Added limits to text input in Web I/F</li><li>• Improved FTP upgrade software</li></ul> <p><b>Problems Fixed</b></p> <ul style="list-style-type: none"><li>• Problem with data in Call Log</li><li>• Problem with MCU connection when using ISDN</li><li>• Problem with the upgrade message for peripheral equipment</li><li>• Problem with clock display</li><li>• Problem with name displays in the shared phone book</li><li>• Problem with message displayed for external control command</li><li>• Problem with rebooting for SIP Phone and SIP connection</li><li>• Problem connecting with ISDN</li><li>• When ISDN is used in a multipoint connection, if the connection to the first point uses a higher number of lines than the MCU settings, then the second and later points are connected using the number of lines in the first point to avoid being treated as secondary terminals.</li><li>• The data from bit storms passed from PCS-1/TL50/TL30 units became corrupted under certain conditions, so that when PCS-G70/G50 received the data, the video appeared with a slight greenish tint (during video mode H.264).</li><li>• When using IP connection with a multipoint conference and when sending PC images from the terminal with DSB, the sent video was sometimes delayed from the MCU.</li><li>• Computers with Microsoft .NET Ver 3 installed could not access the PCS correctly with Web I/F when using Microsoft Internet Explorer.</li><li>• When loading settings, the IPPrecedence value in the ToS settings returned to the default value.</li></ul>
Ver 2.41	2007/0 7/19	<p><b>Problems Fixed</b></p> <ul style="list-style-type: none"><li>• When the phone book had at least 32 entries with images attached, entries could not be copied or all deleted at once</li></ul>
Ver 2.42	2008/0 8/13	<p><b>Improved Features</b></p> <ul style="list-style-type: none"><li>• Improved E.164 Command</li></ul> <p><b>Problems Fixed</b></p> <ul style="list-style-type: none"><li>• Fixed name display within 6site MCU</li><li>• Fixed audio issue with telephone call after IP connection</li><li>• Fixed video codec change when mixed MCU call with audio</li></ul>