PCS-XG80/XG55

Release Note

Application Ver. 2.11.00

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1. Application Version 2.11

1.1 General information

This version is Ver. 2.11.

This document contains the corrected problems and improved functions/operability from Ver. 2.04 to Ver. 2.11(XG80), [from Ver2.10 to Ver2.11(XG55)].

Application ver.2.10 for XG80 is not released.

This release note contains detailed information about the changes.

2. Major improvements to functions/operations

- **When H.239 data transmission from remote terminal is finished while the camera menu is being opened, PCS screen is changed to black unexpectedly.**

  This problem occurred because internal screen switching control did not work properly. This problem has been corrected.

  (Problem from Ver 1.00) [Corrected in Ver 2.10]

- **When a certain gatekeeper manages the communication rate of endpoints, other connection than PCS cannot be established, because PCS informs the gatekeeper of the wrong communication rate.**

  PCS informed of the 1000 times Bandwidth Request(BRQ) as many as the actual. In this case, a certain gatekeeper allowed all BRQ, but it judged eventually the sytem resource exceeded its bandwidth limit. And then it rejected other connections.

  This problem has been corrected.

  (Problem from Ver 1.00) [Corrected in Ver 2.10]

- **When PCS-XG80 connects to a certain sub-terminal (Polycom), H.239 data cannot be sent by the sub-terminal.**

  When the Polycom terminal sent H.239 stream, MCU(PCS-XG80) could not receive the data because OLC and RTP payload types were not matched.

  This problem has been corrected.

  (Problem from Ver 1.00) [Corrected in Ver 2.10]

- **When PCS-XG80/XG55 connects to a certain other manufacturer's terminal in encryption mode, H.239 data cannot be exchanged.**

  This problem occurred only when the other manufacturer's terminal had H.239 capability in encryption mode only (no H.239 capability in unencrypted mode) This problem has been corrected.

  (Problem from Ver 1.00) [Corrected in Ver 2.10]

- **When PCS-XG80/XG55 in the standby mode state tries to answer a call, the call is canceled during the start-up and then PCS-XG80/XG55 tries to answer the call again, PCS-XG80/XG55 is put into the call received status, and connection cannot be established properly.**

  This problem has been corrected.

  Please do not repeat cancel operation more than five times just after the call is to be answered. Otherwise, connection cannot established for a certain time.

  (Problem from Ver 1.00) [Corrected in Ver 2.11]

- **PCS-XG80/XG55 supports a new tablet (WACOM CTH-460/KO). The current model is supported too.**

- **Changes the message that is displayed during the operation inhibited period by the remote commander a few seconds after conference is disconnected.**

  Change to new message " please wait ".

- **PCS-XG80 supports multipoint connection with PCS-VCS(HD VISUAL COMMUCATION SERVER) in 1080i mode.**

3. Network Environment

3.1 Recommended settings for networks with significant packet loss

- Depending on the network configuration, constantly-found packet loss of 2% or more, or one-way latency of 50 ms or more may cause sent video to freeze. If this occurs, set ARC to "OFF", ARQ to "ON" and FEC to "ON" under "QoS1" on the setting screen.

4. Restrictions

4.1 ISDN Connection

- Presentation cannot be started for 50 seconds after connecting or disconnecting ISDN. This restriction does not occur during LAN connection.
  (Restricted from Ver. 2.01.)

4.2 Multipoint Connection Including Current Model

- When PCS-1, PCS-G70, PCS-G50, or PCS-TL50 is included as a sub-terminal for an ISDN multipoint connection with PCS-XG80 as the host terminal, set the audio format for all the terminals to G.722, select All as the video format for PCS-XG80, and select Auto as the video format for PCS-1, PCS-G70, PCS-G50, or PCS-TL50.。
  (Restricted from Ver. 2.00.)

5. Known Issues

5.1 Multipoint connections with current models

- If sub-terminals include a PCS-G70 of the older version, the H.239 function of the PCS-G70 may not operate at the first IP connection after the power turns on. Reconnect the PCS-G70. (Likewise for the PCS-G50) (Problem from Ver.2.00)
  This problem has been corrected in PCS-G70 Ver. 2.65 / PCS-G50 Ver. 2.70.

5.2 Terminal name display over multipoint connections

- In IP/ISDN-mixed multi-point connection, some terminals may display the wrong terminal name.
  (Problem from Ver.2.00)

  This is because acquisition of terminal name information is ill-timed among the terminals. We confirm that this problem happens under the following condition:

  When another terminal is newly connected over IP during an ISDN point-to-point connection, and it results in an IP/ISDN mixed multi-point connection, the terminal names of the MCU terminals and those of sub-terminals connected over IP cannot be displayed correctly.

5.3 Order of disconnection in a cascade connection

- When a cascade connection is made in the order mentioned below, and you disconnect between terminals A and B first during the cascade connection, there are some cases where other connection cannot be disconnected correctly.

  Connection order:
  1. Set the multipoint mode” to “Auto” for terminals A and B, and connect them for a point-to-point connection.
  2. Connect an additional terminal to the terminal A to establish a multipoint connection.
  3. Connect another additional terminal to the terminal B to establish a cascade connection.

  (Problem from Ver. 2.00)

6. Updates

6.1 Cautions when updating

Take the following precautions when updating.

- Perform updates when the power supply is reliable. If a power outage occurs during an update, the update will not complete properly and the system may not be able to start up.

- Some sales samples cannot be upgraded with this software successfully. If you experience such a problem with the sales sample where software for sales sample was installed, please contact us.
- The firmware file differs between PCS-XG80 and PCS-XG55 as follows.
  PCS-XG80 : bellini02XXXX.upd
  PCS-XG55 : Lbellini02XXXX.upd
  Note that PCS-XG80 software cannot be installed into PCS-XG55 and vice versa.

6.2 Updating with a memory stick

Procedure for updating with a memory stick

Follow the procedure below to complete an update.

1. Prepare a memory stick (512 MB or larger)
   * Files to be used: [**bellini20400.upd**] or [**Lbellini21100.upd**]
2. Copy the files listed above into the root directory on the memory stick. Use the write-protect function on the memory stick, if there is one. There is no need to format the stick for use with PCS-1/G70/G50.
3. Insert the memory stick into the device and turn on the power.
4. The application will start and the progress screen will appear.
5. The device will automatically restart when the update is complete.
6. The home screen will be displayed when the device has restarted. Confirm that the host version is 2.11.00.

6.3 Updating from the Web

Procedure for updating from the Web

Follow the procedure below to complete an update.

1. Open a web browser and log in to the device.
2. Select the “Setup” tab.
3. Click the “Version Up” button in the lower left of the browser window.
4. The version up screen will appear. Specify the update file.
   * Files to be used: [**bellini20400.upd**] or [**Lbellini21100.upd**]
5. Click the “Upload” button after specifying the file.
6. File transfer will begin and “File Uploading ...” will be displayed.
7. When the file has been uploaded, a message saying “Uploading upgrade files to PCS-XG80 has been completed. You may shut down your browser. Installation procedures for PCS-XG80 start soon. Never power off the unit during installation. After the completion of installation, PCS-XG80 restarts automatically.” will appear and the update progress screen will appear on the device.
8. The device will automatically restart when the update is complete.
9. The home screen will be displayed when the device has restarted. Confirm that the host version is 2.04.00.