SHARP®

PN-M501
PN-M401
PN-B501
PN-B401

LCD MONITOR

SOFTWARE SETUP GUIDE

Applicable firmware version for this guide

Monitor firmware	1.0.2.34
Android system	1.0.36 1.0.36w

If the current firmware is older than the version mentioned above,
please update the firmware as explained in "Firmware Update" on page 2

Contents

Please read
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- If you or a third party uses the product incorrectly, or if the product is subjected to the effects of static electricity or electrical noise, or if the product malfunctions or is repaired, there is a risk that saved data will be corrupted or lost.
- Operation other than that of preinstalled applications, and applications and software provided by our company for this product, is not guaranteed.
- Always back up important data to a USB flash drive or SD memory card.
- Our company bears no responsibility for the protection of or damages to information saved in internal memory.
- This guide explains how to use the software when "LANGUAGE" on the monitor is set to "ENGLISH".
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Setup

- Continuous operating time and warranty. (PN-B501/PN-B401 only)
  This product is designed for a maximum daily use of 16 hours. Continual use in excess of 16 hours per day is not covered by the warranty.
- To maintain stable operation of the Android OS, restart the OS once a day. A SCHEDULE is set by factory default in this monitor that restarts the OS at 3:00 AM. (To have the OS restart at a specified time, refer to page 5.)
    - In the factory default state, "POWER SAVE MODE" in the OSD menu is set to "OFF". When "POWER SAVE MODE" is set to "Off", Android™ continues to run even in the power "OFF" (power standby) state.
- Make sure that data is not being written before switching off the main power switch. Risk of equipment failure or data destruction if a power interruption occurs while data is being written.
    - In Android, delayed writes are performed. If data is being written to a USB flash drive or SD memory card, follow the procedure below to remove the device before switching off the main power switch.
- Note the following if you are using A USB flash drive or SD memory card.
    - Use a USB flash drive or SD memory card that is formatted in "FAT32" format.

File System	FAT32
Capacity	Up to 32 GB (maximum file size 4 GB)

  - Media formatted in "exFAT" format cannot be used. SDXC memory cards are not supported.
  - Copyright protection is not supported.
  - Do not use write protection or security functions.
- To remove a USB flash drive or SD memory card, follow the procedure below. Risk of equipment failure or data destruction if a memory device is removed without performing this procedure.
    1. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen, and select "System Setting".
    2. Select "Storage".
    3. Select "Unmount USB storage" or "Unmount SD card" as appropriate for the device being removed.
    4. When the unmount confirmation message appears, select "OK".
- A USB mouse or USB keyboard may be needed to perform procedures and configure settings in Android™.
  Examples　・ Entering text and symbols
  　　　　　 ・ Operations using the status bar or the navigation bar
- Follow the steps below to view the license agreement for preinstalled applications.
    1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
    2. Select "Software Information".
    3. Select "SOFTWARE LICENSE AGREEMENT".
- If the following screen appears, select "Launcher: SHARP Open Architecture Platform", and select "Always".
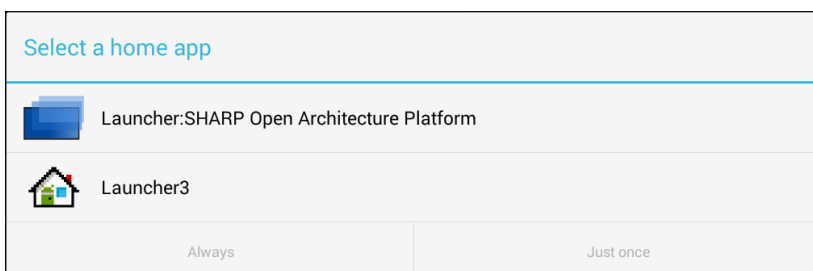
Firmware update

To maintain stable operation, apply the latest firmware update.

● The firmware update must be downloaded from the Internet by using your PC.

● The following USB flash drive is required for the update work.

File System	FAT32 (Upper limit of the cluster size: 64KB)
USB	2.0/1.1
Capacity	At least 600MB free space

● To use the separately sold Wireless Adapter (PN-ZW01), you must update the firmware to the "Firmware for PN-ZW01".

● PN-M501W/M401W/B501W/B401W is PN-M501/M401/B501/B401 with a wireless adapter. The firmware for using the Wireless Adapter has already been applied by factory default.   When updating the firmware, apply the "Firmware for PN-ZW01" to this product.

1.   Use the installer on the provided CD-ROM to install "SHARP Information Display Downloader" on your PC.

2.   Connect your PC to the Internet and start "SHARP Information Display Downloader".

3.   Select the "Set filter" checkbox.

4.   Click and open "Filter Settings".

5.   Select the appropriate model, and click "OK".
     • When using the Wireless Adapter, select "PN-M501/401 with PN-ZW01" or "PN-B501/401 with PN-ZW01".

6.   Click [Refresh information] to refresh the title list.

7.   Select the firmware of the appropriate model in the title list, and click [Download] .
     • When using the Wireless Adapter, select "PN-M501/M401 Firmware for PN-ZW01" or "PN-B501/B401 Firmware for PN-ZW01".

8.   When "Download completed." appears, click "OK".

9.   Insert the USB flash drive in your PC.

10. Click [Open download folder] .

11. Follow the update manual in the downloaded ZIP file to update both the monitor firmware and the Android system.

Setup when starting up the first time

[Date & time settings]

- If the clock is not set correctly, security restrictions will prevent web sites from being displayed in the "HTML5 Browser" application.
- It is recommended to use a USB mouse for the date and time settings.

1. Turn on the monitor power.
   - When you turn on the power the first time, a screen for setting the "Date/time" will appear.
2. The Android OS will start. When the [SET] button becomes yellow, select [SET].
   - The Android "Settings" – "Date & time" screen will appear.
3. Select "Select time zone" and set your time zone.
4. Select "Set date" and set the date.
5. Select "Set time" and set the time.
   - If the monitor is connected to the Internet, you can select the "Automatic date & time" checkbox to have the date and time automatically updated using the Internet.

[Home setting]

1. Select "Home" in the Android "Settings" screen.
2. Select "Launcher: SHARP Open Architecture Platform".
3. Press the CONTENT MENU button on the remote control.
   - The "CONTENT MENU" screen appears.
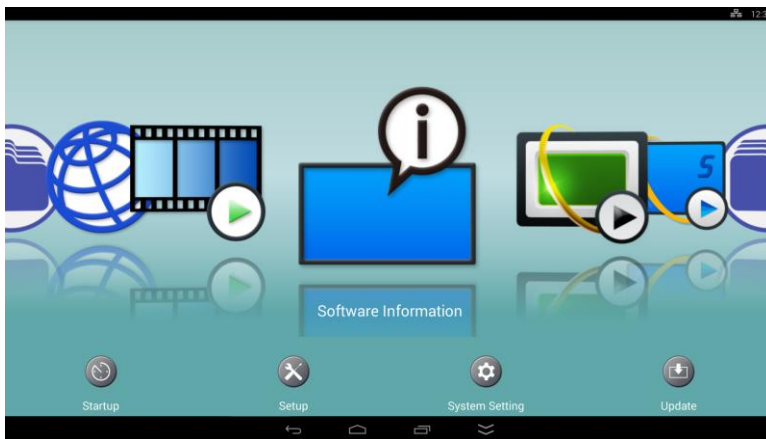
[Installation setting for applications from an unknown source]

Configure the setting below to allow updates of preinstalled applications and installation of added applications.

1. In the Android "Settings" screen, select "Security".
2. Select "Unknown sources".
3. Select [OK] in the agreement confirmation screen.

[USB KEYBOARD SETTINGS]

To use a USB keyboard, configure the settings below.
• When the display language is changed with "Select Language" in the OSD menu, the Android language setting and software keyboard layout change as well.
1. In the Android "Settings" screen, select "Language & input".
2. Select "Default" in "KEYBOARD & INPUT METHODS".
3. If you want to additionally use the software keyboard when a USB keyboard is connected, set "Hardware Physical keyboard" to [OFF].
   • "Hardware Physical keyboard" appears when a USB keyboard is connected.
4. Press [RETURN] on the remote control.
5. If you are using an English (QWERTY) keyboard, press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen and exit the USB keyboard settings.
   If you are using a USB keyboard other than an English (QWERTY) keyboard, select the first item in "PHYSICAL KEYBOARD". (The name of the connected USB keyboard appears in the first item of "PHYSICAL KEYBOARD".)
6. Select "Set up keyboard layouts".
7. Select the checkbox of the keyboard layout you will use.
   • If a keyboard layout is not selected, the "Default" setting will be used.
8. Press [RETURN] on the remote control.
9. If you selected multiple keyboard layouts in step 7, reselect the first item in "PHYSICAL KEYBOARD" so that the keyboard layout you want to use is in the selected state.
10. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.

[Check POWER SAVE MODE settings]

Make sure that "POWER SAVE MODE" is set to "OFF".

When "POWER SAVE MODE" is set to "ON", functions such as the following cannot be used.
• Scheduled playback using "Media Player", "SHARP e-Signage S Player A1", "SDSS Viewer Version" from the power "OFF" (power standby) state.
• Reception of network distributed data/content and LAN commands in the power "OFF" (power standby) state.
1. Press ⃝ **MENU** on the center right side of the remote control to display the OSD menu.
2. Select "MONITER" – "POWER SAVE MODE", and make sure that this is set to "OFF".
   • If set to "ON", change to "OFF".
3. Press ⃝ **MENU** on the center right side of the remote control to close the OSD menu.

[Android restart setting]

To maintain stable operation of the Android OS, set the OS to restart once a day. A SCHEDULE is set by factory default in this monitor that restarts the OS at 3:00 AM.

● When "POWER SAVE MODE" is set to "OFF" as described in the previous section, Android will continue running even in the power "OFF" (power standby) state.

1. Press ⬭ᴹᴱᴺᵁ on the center right side of the remote control to display the OSD menu.

2. Select "SETUP" - "SCHEDULE".

3. Make sure that "No.1" is selected, and press [▶] on the remote control.

4. Make sure that "●" (schedule enabled) is selected.

    • Press [▲] or [▼] on the remote control, if "−" (schedule disabled) is selected.

5. The default setting is restart at 03:00.

    If you want to change the restart time, press [▶] on the remote control to select "TIME", and press [▲] or [▼] to change the time.

6. Press [ENTER] on the remote control to save your settings.

[Setting for vertical installation]

This setting can be configured to display the OSD menu and Android screen, including preinstalled applications, in portrait orientation.

● The display of some applications may remain in landscape orientation even when this setting is configured.

1. Press ⬭ᴹᴱᴺᵁ on the center right side of the remote control to display the OSD menu.

2. Select "MONITOR" – "PORTRAIT/LANDSCAPE INSTALL", and select "PORTRAIT".

3. If the display is upside down, select "ROTATE 180°", and set "ON".

4. Press ⬭ᴹᴱᴺᵁ on the center right side of the remote control to close the OSD menu.

[Setting for horizontal installation]

For a horizontal upward or a horizontal downward installation, configure the following setting.

1. Press [MENU] on the center right side of the remote control to display the OSD menu.

2. Select "MONITOR" – "HORIZONTAL INSTALLATION", and select "FACE UP" or "FACE DOWN" as appropriate for your installation method.

3. Press [MENU] on the center right side of the remote control to close the OSD menu.

Network Settings

■ **For wired LAN**

1. Connect the LAN cable to the LAN port on the monitor.

2. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen, and select "Setup".

3. Select "Ethernet(LAN)".
   • The Android "Settings" – "Ethernet" screen appears.

4. Make sure that "Ethernet" is set to "ON".

5. Configure network settings as needed.

   Setting a static (permanent) IP address
   ① Select "Static IP Settings".
   ② Select the "Use static IP" checkbox.
   ③ Configure settings as appropriate for your network.
      • The static IP address will not be saved unless "IP address", "gateway", "netmask", and "dsn1" are entered.
   ④ Press [RETURN] on the remote control.
   ⑤ Confirmation of the save will be indicated in the "Important" screen. Select [OK].

■For wireless LAN (using the PN-ZW01)

● To use the separately sold Wireless Adapter (PN-ZW01), the firmware must be updated. Update the firmware to the "Firmware for PN-ZW01" as explained in "Firmware Update" on page 2.
● PN-M501W/M401W/B501W/B401W is PN-M501/M401/B501/B401 with a wireless adapter. The firmware for using the Wireless Adapter has already been applied by factory default.
● A USB mouse and USB keyboard are required to configure wireless LAN settings (network SSID and password entry)

1. Insert the Wireless Adapter (PN-ZW01) into the USB port on the monitor.
2. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen, and select "Setup".
3. Set "Network priority" to "Wireless LAN > Ethernet"
4. Select "Wireless LAN".
5. Select "Wireless LAN" at the right of the screen, press [ENTER] on the remote control, and set "Wireless LAN" to "ON".
6. Configure settings to connect to wireless LAN.

    Setting a static IP address (permanent IP address)
    ① Select the "Show advanced options" checkbox.
    ② Set "IP settings" to "Static".
    ③ Configure settings for the network to which you will connect.
    ④ Select [Save] to save your settings.

The following steps make the wireless LAN profile automatically restore on boot when it unexpectedly disappears.

7. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen, and select "Setup".
8. Select "Wireless LAN Profile Restore Tool".
9. Select SSID of the wireless LAN profile in step 6 from the menu.
10. Select "OK".
11. When "Confirm back up" appears, select "OK".
12. When "Enter Password" appears, enter the security password for the wireless LAN.
    • The "Enter Password" screen is not displayed when the security setting is "None".
13. Select the "Show Password" checkbox and ensure that the entered password is correct.
    • The incorrect password can be set.   Please be sure to confirm that the password is correctly entered.
14. Select "OK".
15. When "Backup Completed" appears, select "OK".
    • SSID of the backed-up wireless LAN profile appears in "The Backed Up SSID".

The following steps confirm to restore the wireless LAN profile.

16. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen, and select "Setup".
17. Select "Wireless LAN".
18. Select the wireless LAN profile you set in step 6.
19. Select "Forget" to delete the wireless LAN profile.
20. Turn off the main power.   Wait for at least 5 seconds and then turn on the main power.
21. When the "CONTENT MENU" screen appears, wait for at least 30 seconds and then select "System Setting".
22. Make sure that the wireless LAN profile is restored.
    • If the wireless LAN profile is not restored, configure the settings from step 6 to step 21 again. Note the following when reconfiguring.
        - In step 9 : Is the SSID correctly selected?
        - In step 13 : Is the password correctly entered?

* You cannot back up/ restore multiple wireless LAN profiles.   Configuring the settings from step 9 to step 15 again will replace the existing backed-up wireless LAN profile.
* When changing the wireless LAN settings by selecting the "CONTENT MENU" screen – "Setup" – "Wireless LAN", reconfigure the settings from step 7 to step 21.

Signage Application Settings

For easy signage using images and video	1. Using "Media Player"
	
	    1-1. Data distribution by USB flash drive or SD memory card
	
	        1-1-1. Auto play when power is turned on (page 9)
	
	        1-1-2. Scheduled playback (page 11)
	
	    1-2. Data distribution by network
	
	        1-2-1. Auto play when power is turned on (page 14)
	
	        1-2-2. Scheduled playback (page 17)

For full-scale signage (Multi-layout, scroll messages, status monitoring, etc.)	2. Using "SHARP e-Signage S Player A1" (page 22)
For the SDSS customer	3. Using "SDSS Viewer Version" (page 23)

For Web-based signage	4. Using "HTML5 Browser"
	
	    4-1. Using local HTML files (page 24)
	
	    4-2. Using Web sites (page 25)

1-1-1. Media Player (distribute data by USB flash drive or SD memory card, auto play when power is turned on)

[Auto-start application settings]

1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup]
3. Select "Media Player" and press [RETURN] on the remote control.

[Media player settings]

1. Select "Media Player" in the "CONTENT MENU" screen.
    • The "Media Library" screen appears.
2. Press MENU (Settings) at the bottom right of the remote control.
3. Set the save location of the images or video you want to play automatically with "Autoplay Media". (Select from "Internal Storage", "USB Drive", or "SD Card")
4. If you want to set the playback method for images, select "Slideshow".
    • Slideshow Duration (3 – 999 seconds, 6 seconds by default)   * The default setting is underlined.
    • Picture transition (None, Dissolve, Wipe Left, Wipe Right, Wipe Up, Wipe Down, Box In, Box Out)
    * The "Shuffle" and "Folder Repeat" settings cannot be used with autoplay.
    * "Dissolve", "Box In", and "Box Out" are not available when displaying content in 4K resolution (3840 x 2160 dots) as explained in "Quad-screen multi-display setting" on page 28.
5. Press [RETURN] on the remote control until you return to the "Media Library" screen.

[Data preparations]

1. Save the images and video that you want to play automatically in the following folder of the media you set in step 3 of "Media Player settings".

   /mediaplayer/AutoPlay

   - Images and video in the top level of the "AutoPlay" folder will play automatically. Data in sub-folders will not play.
   - If you want to copy videos or still images from a USB flash drive or SD card to internal storage, use [F3] (Edit) on the remote control in the "Media Library" screen of "Media Player".
   - To use a USB flash drive with "Media Player", insert the drive in the top USB port (see right) on the monitor.
   - Multiple USB flash drives cannot be used at once in "Media Player". If multiple USB flash drives are inserted, only the first USB flash drive that was inserted can be used.
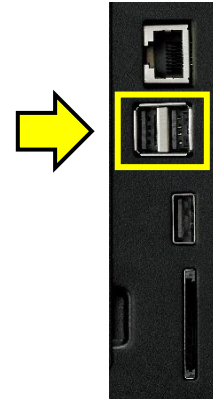
2. To change the playback order of images and video, open the "AutoPlay" folder of "Autoplay Media" in the "Media Library" screen of "Media Player", press [F2] (Playlist) on the remote control, and create a playlist.

   - If a playlist is not created, images and video will be played in the order of the file names.
   - If you want to delete the created playlist, press [F4] (Clear All) and then press [F2] (Save) in the "Playlist" screen.

3. To check the content that will be played by auto playback, press [F4] (AutoPlay/Schedule Play) on the remote control in the "Media Library" screen of "Media Player".

   - If no actions are performed for 3 minutes with "Media Library" displayed, auto playback will start.
   - The following screen will appear if there is no data to play.
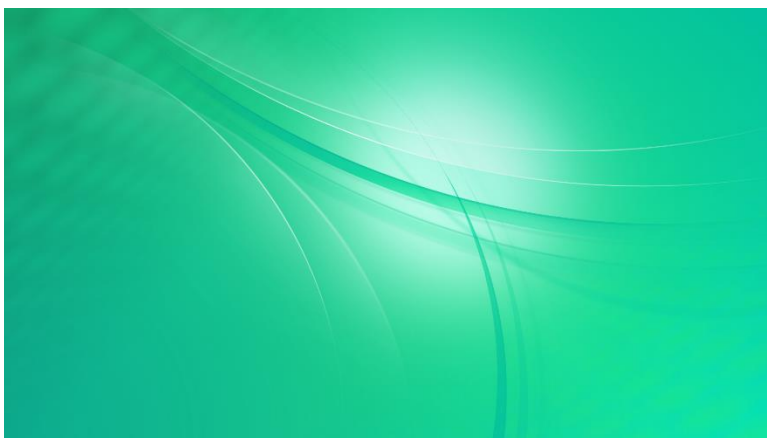
1-1-2. Media Player (distribute data by USB flash drive or SD memory card, scheduled playback)

● You can set a play schedule for images and video.
● Up to seven schedules can be set.
● If schedules with the same start time are set, the schedule with the smaller schedule number will be given priority. If playback periods overlap, playback will change to the schedule with the later start time.
● When the start time of a schedule arrives, the monitor power will turn on and the input mode will change to "APPLICATION".

[Auto startup application setting]
1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup].
3. Select "Media Player", and press [RETURN] on the remote control.

[Media Player settings]
1. In the "CONTENT MENU" screen, select "Media Player".
     • The "Media Library" screen appears.
2. Press MENU (Settings) at the bottom right of the remote control.
3. Set the save location of the images or video you want to play by scheduled playback.
    ① To use the default save location, set "Autoplay Media".
       (Select from "Internal Storage", "USB Drive", or "SD Card".)
    ② If you want to play data in any other location, set "Use SHARP Content Distributor" to "Disabled".
4. If you want to set the playback method for images, select "Slideshow".
     • Slideshow Duration (3 – 999 seconds, 6 seconds by default)   * The default setting is underlined.
     • Picture transition (None, Dissolve, Wipe Left, Wipe Right, Wipe Up, Wipe Down, Box In, Box Out)
     * The "Shuffle" and "Folder Repeat" settings cannot be used with scheduled playback.
     * "Dissolve", "Box In", and "Box Out" are not available when displaying content in 4K resolution (3840 x 2160 dots) as explained in "Quad-screen multi-display setting" on page 28.
5. If you configured "Slideshow" settings, press [RETURN] on the remote control to return to the "Settings" screen.
6. Select "Schedule".
7. Select the schedule you want to set from "Schedule 1" to "Schedule 7".
8. Configure the schedule settings.
     • Schedule play (Enable, Disable)
     • Start Time (00:00)
     • End Time (24:00)
     • Repeat Mode (Only Once, Every Sunday, Every Monday, Every Tuesday, Every Wednesday, Every Thursday, Every Friday, Every Saturday)
     • Select Content Folder (if "Use SHARP Content Distributor" was disabled in step 3-②)
     * A time period that extends over two dates (the end time is earlier than the start time) cannot be set. To have playback extend over two dates, set two schedules. When the first schedule changes to the second schedule, playback will be briefly interrupted and restart from the beginning.
       Example: Setting playback from 23:00 to 1:00
          ⇒ Set two schedules, one from "23:00" to "24:00" and the other from "0:00" to "1:00".
9. Press [RETURN] on the remote control to return to the previous screen. If needed, set another schedule.
10. Press [RETURN] on the remote control until you return to the "Media Library" screen.

[Setting to turn off the monitor at the specified time]

The monitor continues to turn on after completing the scheduled playback.   If you wish to turn off the monitor after the scheduled playback, you can configure the setting below.

1. Press ◯ (MENU) on the center right side of the remote control to display the OSD menu.
2. Select "SETUP" – "SCHEDULE".
3. Press [▲] or [▼] on the remote control, and select the number of the unused schedule.
4. Press [▶] on the remote control.
5. Press [▲] or [▼] on the remote control, and change " − " (schedule disabled) to " ● " (schedule enabled).
6. Press [▶] on the remote control, and select "POWER".
7. Press [▲] or [▼] on the remote control, and select "OFF".
8. Press [▶] on the remote control, and select "DAY OF THE WEEK".
9. Press [▲] or [▼] on the remote control, and specify the day of the week to turn off the monitor.
   - 0 : ONLY ONCE   Executes the SCHEDULE once on the specified day of the week.
   - 1 : EVERY WEEK   Executes the SCHEDULE on the specified day of the week every week. Periodic setting such as "Monday through Friday" is also possible.
   - 2 : EVERY DAY   Executes the SCHEDULE every day regardless of the day of the week.
10. Press [▶] on the remote control, and select "TIME".
11. Press [▲] or [▼] on the remote control, and specify the time to turn off the monitor.
12. Press [ENTER] on the remote control to save your settings.

[Data preparations]

1. Save the images or video you want to play by scheduled playback in the media.

    ① If you selected "Autoplay Media" in step 3-① of "Media Player settings"

    ⇒ Save to the following folder in the media set in "Autoplay Media".

    /mediaplayer/ScheduleX   X is a schedule number from 1 to 7

    ② If you set "Use SHARP Content Distributor" to "Disabled" in step 3-② of "Media Player settings"

    ⇒ Save the data to the folder set in "Select Folder" in step 7 of "Media Player settings".

    • Images or videos in the top level of the folder will play by scheduled playback. Data in sub-folders will not play.

    • If you want to copy videos or still images from a USB flash drive or SD card to internal storage, use [F3] (Edit) on the remote control in the "Media Library" screen of "Media Player".

    • To use a USB flash drive with "Media Player", insert the drive in the top USB port (see right) on the monitor.

    • Multiple USB flash drives cannot be used at once in "Media Player". If multiple USB flash drives are inserted, only the first USB flash drive that was inserted can be used.
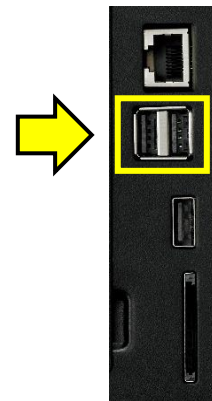
2. If you want to change the order of image or video playback, open the folder for the scheduled playback in the "Media Library" screen of "Media Player", press [F2] (Playlist) on the remote control, and create a playlist.

    • If a playlist has not been created, the images or videos will play in the order of the file names.

    • If you want to delete the created playlist, press [F4] (Clear All) and then press [F2] (Save) in the "Playlist" screen.

3. If there is an enabled schedule for the current time and you want to start scheduled playback, press [F4] (Autoplay / Schedule Play) on the remote control while in the "Media Library" screen of "Media Player".

    • If no actions are performed for 3 minutes with "Media Library" displayed, scheduled playback will begin if there is an enabled schedule for the current time.

    • The following screen will appear if there is no data to play.

<u>**1-2-1. Media Player (distribute data by network, auto play when power is turned on)**</u>

● "SHARP Content Distributor" is used to distribute data from a computer.

The installer for "SHARP Content Distributor" must be downloaded from the Internet using "SHARP Information Display Downloader".

● Configure settings for connecting the monitor to the network as explained in "Network settings" on page 6.

[Installing SHARP Content Distributor]

1. Use the installer on the provided CD-ROM to install "SHARP Information Display Downloader" on your computer.
2. Connect your computer to the Internet and start "SHARP Information Display Downloader".
3. Select the "Set filter" checkbox.
4. Click "Filtering settings" to open the filter settings.
5. Select the "PN-M501/401" or "PN-B501/401" checkbox and click "OK".
6. Click [Refresh information] 🔄 to refresh the title list.
7. Select "SHARP Content Distributor" and "SHARP Content Distributor Manual (Multilingual)", and click [Download] ⬇ .
8. When "Download completed." appears, click "OK".
9. Click [Open download folder] 📂 .
10. Double-click the "ContentDistributor_vX_X_X_X_Installer.zip" file that you downloaded.
11. Save "Setup.exe" in "ContentDistributor_vX_X_X_X_Installer.zip" to your desktop or other location.
    • "Setup.exe" is the installer for "SHARP Content Distributor".
12. Double-click the "ContentDistributor_manual_vX_X.zip" file that you downloaded.
13. Save "ContentDistributor_manual_xxxxxxx.pdf" (operation manual) and "ContentDistributor_Supplement_PNM_PNB_xxxxxxx.pdf" (supplemental instruction) to your desktop or other location.
14. Double-click "Setup.exe" to start installation.
15. Follow the displayed instructions to complete the installation.
    • If a "Security Warning" screen appears, click "Run".
    • If a "User Account Control" screen appears, click "OK".
    • ".NET Framework Version 4.5.1" or higher must be installed on your computer. If a message appears prompting you to install ".NET Framework", follow the displayed instructions to install this software.

[Auto startup application setting]

1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup].
3. Select "Media Player" and press [RETURN] on the remote control.

[Network settings]

1. Select "Setup" in the "CONTENT MENU" screen.
2. Select "Telnet Server".
3. Set "Telnet Server" to "ON".
4. Set a "User name" and "Password" if needed.
    - By default, a "User name" and "Password" are not set.
5. Press "RETURN" on the remote control until the "Setup" screen appears.
6. Select "FTP Server".
7. Set "FTP Server" to "ON".
8. Set a "User name" and "Password" if needed.
    - The default settings are user name: admin, password: admin.
9. Press [CONTENT MENU] on the remote control to return to the "CONTENT MENU" screen.
10. Press ◯ (MENU) on the center right side of the remote control to display the OSD menu, and set "SETUP" – "COMMUNICATION SETTING" – "RS-232C/LAN SELECT" to "LAN".
11. Press ◯ (MENU) on the center right side of the remote control to close the OSD menu.

[Media Player settings]

1. Select "Media Player" in the "CONTENT MENU" screen.
    - The "Media Library" screen appears.
2. Press [MENU] (Settings) on the lower right of the remote control.
3. Set the save location of the images or videos that you want to auto play in "Autoplay Media". ("Internal Storage", "USB Drive", "SD Card".)
4. Make sure that "Use SHARP Content Distributor" is set to "Enabled".
5. If you want to set the playback method for images, select "Slideshow".
    - Slideshow Duration (3 – 999 seconds, 6 seconds by default)   * The default setting is underlined.
    - Picture transition (None, Dissolve, Wipe Left, Wipe Right, Wipe Up, Wipe Down, Box In, Box Out)
    * The "Shuffle" and "Folder Repeat" settings cannot be used with scheduled playback.
    * "Dissolve", "Box In", and "Box Out" are not available when displaying content in 4K resolution (3840 x 2160 dots) as explained in "Quad-screen multi-display setting" on page 28.
6. Press [RETURN] on the remote control until you return to the "Media Library" screen.
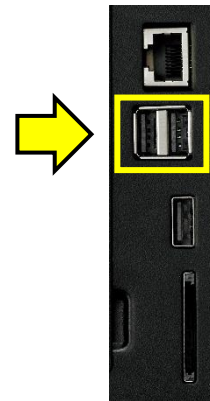
[Data preparations]

1. Display "Media Player".
   - The received "Autoplay" data from "SHARP Content Distributor" start auto play when displaying "Media Player".
   - Auto play does not start in the case such as the following.
     - When the power is tuned off (power standby)
     - When the input mode is set to a mode other than APPLICATION mode
     - When the application other than "Media Player" is displayed
   - When the "Settings" screen of "Media Player" is displayed

2. Use "SHARP Content Distributor" to distribute images or videos from your computer to the monitor.
   - For the procedures for using "SHARP Content Distributor", refer to the operation manual and the supplemental instruction that you copied in step 13 of "Installing SHARP Content Distributor".
   - If you selected "USB flash drive" or "SD Card" in step 3 of "Media Player settings", insert the media you set (USB flash drive or SD memory card) before distributing data.
   - To use a USB flash drive with "Media Player", insert the drive in the top USB port (see right) on the monitor.
   - Multiple USB flash drives cannot be used at once in "Media Player". If multiple USB flash drives are inserted, only the first USB flash drive that was inserted can be used.

3. If auto play does not start, press [F4] (Autoplay/Schedule Play) on the remote control in the "Media Library" screen of "Media Player".
   - If no actions are performed for 3 minutes with "Media Library" displayed, auto play will start.
   - The following screen will appear if there is no data to play.
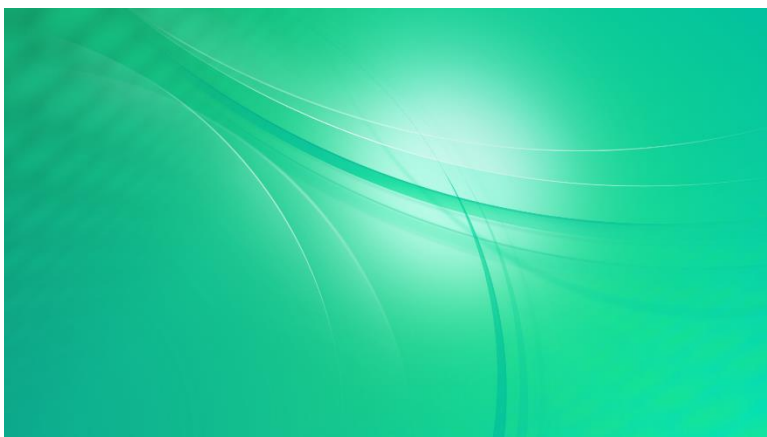
1-2-2. Media Player (distribute data by network, scheduled playback)

- You can set a play schedule for images and videos.
- Up to seven schedules can be set.
- If schedules with the same start time are set, the schedule with the smaller schedule number will be given priority. If playback periods overlap, playback will change to the schedule with the later start time.
- When the schedule start time arrives, the monitor power turns on and the input mode changes to "APPLICATION".
- "SHARP Content Distributor" is used to distribute data from a computer.
  The installer for "SHARP Content Distributor" must be downloaded from the Internet using "SHARP Information Display Downloader".
- Configure settings for connecting the monitor to the network as explained in "Network settings" on page 6.

[Installing SHARP Content Distributor]

1. Use the installer on the provided CD-ROM to install "SHARP Information Display Downloader" on your computer.
2. Connect your computer to the Internet and start "SHARP Information Display Downloader".
3. Select the "Set filter" checkbox.
4. Click "Filtering settings" to open the filter settings.
5. Select the "PN-M501/401" or "PN-B501/401" checkbox and click "OK".
6. Click [Refresh information] to refresh the title list.
7. Select "SHARP Content Distributor" and "SHARP Content Distributor Manual (Multilingual)", and click [Download] .
8. When "Download completed." appears, click "OK".
9. Click [Open download folder] .
10. Double-click the "ContentDistributor_vX_X_X_X_Installer.zip" file that you downloaded.
11. Save "Setup.exe" in "ContentDistributor_vX_X_X_X_Installer.zip" to your desktop or other location.
    - "Setup.exe" is the installer for "SHARP Content Distributor".
12. Double-click the "ContentDistributor_manual_vX_X.zip" file that you downloaded.
13. Save "ContentDistributor_manual_xxxxxxx.pdf" (operation manual) and "ContentDistributor_Supplement_PNM_PNB_xxxxxxx.pdf" (supplemental instruction) to your desktop or other location.
14. Double-click "Setup.exe" to start installation.
15. Follow the displayed instructions to complete installation of the software.
    - If a "Security Warning" screen appears, click "Run".
    - If a "User Account Control" screen appears, click "OK".
    - ".NET Framework Version 4.5.1" or higher must be installed on your computer. If a message appears prompting you to install ".NET Framework", follow the displayed instructions to install this software.

[Auto startup application setting]

1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.

2. Select [Startup].

3. Select "Media Player" and press [RETURN] on the remote control.

[Network settings]

1. Select "Setup" in the "CONTENT MENU" screen.

2. Select "Telnet Server".

3. Set "Telnet Server" to "ON".

4. Set a "User name" and "Password" if needed.

    • By default, a "User name" and "Password" are not set.

5. Press "RETURN" on the remote control until the "Setup" screen appears.

6. Select "FTP Server".

7. Set "FTP Server" to "ON".

8. Set a "User name" and "Password" if needed.

    • The default settings are User name: admin, Password: admin.

9. Press [CONTENT MENU] on the remote control to return to the "CONTENT MENU" screen.

10. Press _{MENU} ◯ on the center right side of the remote control to display the OSD menu, and set "SETUP" – "COMMUNICATION SETTING" – "RS-232C/LAN SELECT" to "LAN".

11. Press _{MENU} ◯ on the center right side of the remote control to close the OSD menu.

[Media Player settings]

1. Select "Media Player" in the "CONTENT MENU" screen.
   - The "Media Library" screen appears.
2. Press MENU (Settings) on the lower right of the remote control.
3. Set the save location of the images or videos that you want to play by scheduled play in "Autoplay Media".
   ("Internal Storage", "USB Drive", "SD Card".)
4. Make sure that "Use SHARP Content Distributor" is set to "Enabled".
5. If you want to set the playback method for images, select "Slideshow".
   - Slideshow Duration (3 – 999 seconds, <u>6 seconds</u> by default)   * The default setting is underlined.
   - Picture transition (<u>None</u>, Dissolve, Wipe Left, Wipe Right, Wipe Up, Wipe Down, Box In, Box Out)
   * The "Shuffle" and "Folder Repeat" settings cannot be used with scheduled playback.
   * "Dissolve", "Box In", and "Box Out" are not available when displaying content in 4K resolution (3840 x 2160 dots) as explained in "Quad-screen multi-display setting" on page 28.
6. If you configured "Slideshow" settings, press [RETURN] on the remote control to return to the "Settings" screen.
7. Select "Schedule".
8. Select the schedule you want to set from "Schedule 1" to "Schedule 7".
9. Configure the schedule settings.
   - Schedule play (Enable, <u>Disable</u>)
   - Start Time (00:00)
   - End Time (24:00)
   - Repeat Mode (<u>Only Once</u>, Every Sunday, Every Monday, Every Tuesday, Every Wednesday, Every Thursday, Every Friday, Every Saturday)
   * A time period that extends over two dates (the end time is earlier than the start time) cannot be set. To have playback extend over two dates, set two schedules. When the first schedule changes to the second schedule, playback will be briefly interrupted.
   Example: Setting playback from 23:00 to 1:00
      ⇒ Set two schedules, one from "23:00" to "24:00" and the other from "0:00" to "1:00".
   * If data will be distributed using "SHARP Content Distributor", "Select content folder" cannot be set.
10. Press [RETURN] on the remote control to return to the previous screen. If needed, set another schedule.
11. Press [RETURN] on the remote control until you return to the "Media Library" screen.

[Setting to turn off the monitor at the specified time]

The monitor continues to turn on after completing the scheduled playback. If you wish to turn off the monitor after the scheduled playback, you can configure the setting below.

1. Press $\bigcirc^{\text{MENU}}$ on the center right side of the remote control to display the OSD menu.
2. Select "SETUP" – "SCHEDULE".
3. Press [▲] or [▼] on the remote control, and select the number of the unused schedule.
4. Press [▶] on the remote control.
5. Press [▲] or [▼] on the remote control, and change " − " (schedule disabled) to "●" (schedule enabled).
6. Press [▶] on the remote control, and select "POWER".
7. Press [▲] or [▼] on the remote control, and select "OFF".
8. Press [▶] on the remote control, and select "DAY OF THE WEEK".
9. Press [▲] or [▼] on the remote control, and specify the day of the week to turn off the monitor.

    0 : ONLY ONCE   Executes the SCHEDULE once on the specified day of the week.

    1 : EVERY WEEK   Executes the SCHEDULE on the specified day of the week every week.

                      Periodic setting such as "Monday through Friday" is also possible.

    2 : EVERY DAY   Executes the SCHEDULE every day regardless of the day of the week.

10. Press [▶] on the remote control, and select "TIME".
11. Press [▲] or [▼] on the remote control, and specify the time to turn off the monitor.
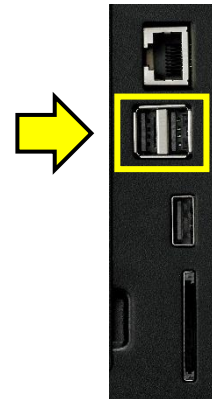12. Press [ENTER] on the remote control to save your settings.

[Data preparations]

1. Display "Media Player".
   - The received "Schedule Play" data from "SHARP Content Distributor" start scheduled playback when "Media Player" is displayed and there is an enabled schedule for the current time.
   - Scheduled playback does not start in the case such as the following.
     - When the power is tuned off (power standby)
     - When the input mode is set to a mode other than APPLICATION mode
     - When the application other than "Media Player" is displayed
     - When the "Settings" screen of "Media Player" is displayed
   - When there is no enabled schedule for the current time

2. Use "SHARP Content Distributor" to distribute images or videos from your computer to the monitor.
   - For the procedures for using "SHARP Content Distributor", refer to the operation manual and the supplemental instruction that you copied in step 13 of "Installing SHARP Content Distributor".
   - If you selected "USB flash drive" or "SD Card" in step 3 of "Media Player settings", insert the media you set (USB flash drive or SD memory card) before distributing data.
   - To use a USB flash drive with "Media Player", insert the drive in the top USB port (see right) on the monitor.
   - Multiple USB flash drives cannot be used at once in "Media Player". If multiple USB flash drives are inserted, only the first USB flash drive that was inserted can be used.

3. If scheduled playback for the current time does not start, press [F4] (Autoplay/Schedule Play) on the remote control while in the "Media Library" screen of "Media Player".
   - If no actions are performed for 3 minutes with "Media Library" displayed, scheduled playback will begin if there is an enabled schedule for the current time.
   - The following screen will appear if there is no data to play.
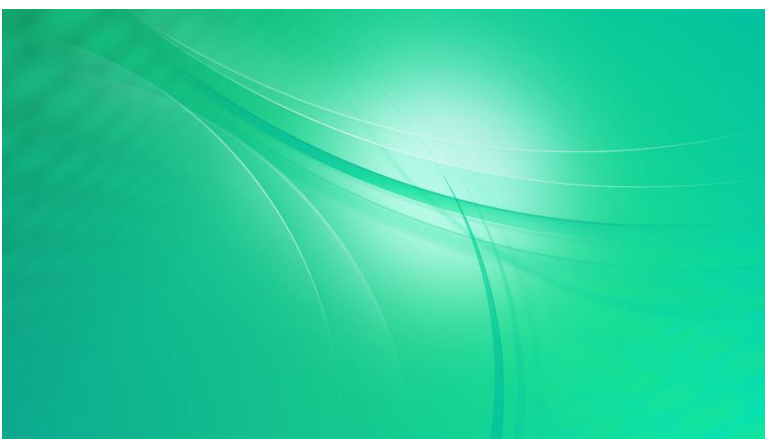
2. SHARP e-Signage S Player A1

● To use e-Signage S Player A1, the separately sold "e-Signage S" digital signage software is required.

● For details of e-Signage S Player A1, refer to the "SHARP e-Signage S" operation manual.

[Auto startup application setting]

1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup].
3. Select "SHARP e-Signage S Player A1" and press [RETURN] on the remote control.

[SHARP e-Signage S Player A1 settings]

1. In the "CONTENT MENU" screen, select "SHARP e-Signage S Player A1".
    • The "Settings" screen of "SHARP e-Signage S Player A1" appears.
      If the content playback screen appears, press [RETURN] twice on the remote control.
2. Set the save location of the content with "Player setting" – "Save directory".
   (Select from "Internal storage", "SD card", or "USB memory".)
3. Set the content distribution method with "Network setting" – "Contents distribution method".
   ("Only USB/SD memory distribution", "PUSH type reception", "PULL type reception")
    • USB flash drive/SD memory card distribution is also available, even when "PUSH type reception" or "PULL type reception" is selected.
    • To use "PUSH type reception" or "PULL type reception", settings must be configured to match the distribution method.
4. If you want to turn the monitor ON/OFF at specified times or restart Android at a specified time to maintain stable operation, configure "Power management setting".

[Data preparations]

1. Use "SHARP e-Signage S" to distribute images or videos from your computer to the monitor.
    • For the procedures for using "SHARP e-Signage S", refer to the "SHARP e-Signage S" operation manual.
2. Before distributing data, insert the media (USB flash drive or SD memory card) you set in step 2 of "SHARP e-Signage S Player A1 settings".
3. In the "Settings" screen of "SHARP e-Signage S Player A1", press [RETURN] on the remote control or select "Go to playback screen" to play the content that is enabled at the current time.
    • If there is no content to play at the current time, the screen below will appear.

3. SDSS Viewer version
- To use SDSS Viewer version, the separately sold "SHARP Digital Signage Software" digital signage software is required.
- Use version 4.7.2.12 or later of "SHARP Digital Signage Software".
- For details of SDSS Viewer version, refer to the "SHARP Digital Signage Software Viewer Version" supplementary explanation that can be downloaded from the Internet using "SHARP Information Display Downloader".

[Auto startup application setting]
1. Turn on the monitor power and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup].
3. Select "SDSS Viewer version" and press [RETURN] on the remote control.

[SDSS Viewer version settings]
1. Select "SDSS Viewer version" in the "CONTENT MENU" screen.
   - The "Settings" screen of "SDSS Viewer version" appears.
     If the Play Content screen appears, press [RETURN] on the remote control.
2. Set the content distribution method with "Content distribution settings"−"Content distribution method". ("Only USB/SD delivery", "PUSH type reception", "PUSH type reception(Use Viewer ID)", "PULL type reception")
   - USB flash drive/SD memory card distribution is also available, even when "PUSH type reception", "PUSH type reception(Use Viewer ID)", or "PULL type reception" is selected.
   - To use "PUSH type reception", "PUSH type reception(Use Viewer ID)", or "PULL type reception", settings must be configured to match the distribution method.
3. Set the content save location with "Content distribution settings"−"Save directory".
   (Select from "Internal storage", "SD", or "USB".)
4. If you want to turn the monitor ON/OFF at specified times or restart Android at a specified time to maintain stable operation, configure "Power management setting".

[Data preparations]
1. Use "SHARP Digital Signage Software 4.7" to distribute images or videos from your computer to the monitor.
   - For the procedures for using "SHARP Digital Signage Software 4.7", refer to the "SHARP Digital Signage Software" operation manual.
2. Before distributing data, insert the media (USB flash drive or SD memory card) that you set in step 3 of "SDSS Viewer version settings".
3. In the "Settings" screen of "SDSS Viewer version", press [RETURN] on the remote control or select "Go to playback screen" to play content that is enabled for the current time.
   - If there is no content to play at the current time, the screen below will appear.

4-1. HTML5 Browser (using a local HTML file)

- "HTML5 Browser" displays Web (HTML5) based content in the local storage or on the Web.
- "HTML5 Browser" is not suitable for the interactive operations.
- In some cases, the content may display differently from a Web browser on a computer or other device.

[Auto startup application setting]

1. Turn on the monitor power and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup].
3. Select "HTML5 Browser".

[HTML5 Browser setting]

1. In the "CONTENT MENU" screen, select "Setup".
2. Select "HTML5 Browser" to display the "HTML" screen.
   - If "HTML5 Browser" is not displayed in the "Setup" screen, apply the latest firmware update as explained in "Firmware Update" on page 2.
   - The "HTML" screen can be also displayed by selecting "Startup" in the "CONTENT MENU" screen, and pressing [F2] (HTML) in the "Startup" screen.
3. In the "HTML" screen, select "File".
4. Select the HTML file you want to display when "HTML5 Browser" starts.
5. Press [RETURN] on the remote control until you return to the "CONTENT MENU" screen.

[Display confirmation]

1. In the "CONTENT MENU" screen, select "HTML5 Browser".

4-2. HTML5 Browser (using a Web site)

- "HTML5 Browser" displays Web (HTML5) based content in the local storage or on the Web.
- "HTML5 Browser" is not suitable for the interactive operations.
- In some cases, the content may display differently from a Web browser on a computer or other device.
- A USB mouse or USB keyboard is required in order to enter web site addresses.
- Configure settings to connect the monitor to a network as explained in "Network Settings" on page 6.

[Auto startup application setting]

1. Turn on the monitor power and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select [Startup].
3. Select "HTML5 Browser".

[HTML5 Browser settings]

1. In the "CONTENT MENU" screen, select "Setup".
2. Select "HTML5 Browser" to display the "HTML" screen.
    - The "HTML" screen can be also displayed by selecting "Startup" in the "CONTENT MENU" screen, and pressing [F2] (HTML) in the "Startup" screen.
3. In the "HTML" screen, select "Web URL".
4. Enter the address of the web site you want to display when "HTML5 Browser" starts.
5. Press [RETURN] on the remote control until you return to the "CONTENT MENU" screen.

[Display confirmation]

1. In the "CONTENT MENU" screen, select "HTML5 Browser".

Installing additional applications

- Operation other than that of preinstalled applications and applications/software provided by SHARP for use with this product is not guaranteed. If you are inquiring about application/software that you have installed, please contact your distributor or application/software provider.
- Set the system to allow installation of applications from an unknown source as explained in "Installation setting for applications from an unknown source" on page 4.
- It is recommended to use a USB mouse for the operations of the "FileExplorer" application.
  When performing folder and file actions using the "FileExplorer" application, select a folder or a file and press MENU at the bottom right of the remote control to display the EDIT menu.

1. Save the application installer with extension "apk" in a USB flash drive or SD memory card.
2. Insert the USB flash drive or SD memory card of step 1 into the monitor.
3. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
4. Select "FileExplorer"
5. Select "SD Card" or "USB" for the media inserted in step 2.
6. In the list at the right of the screen, display and select the installer file you saved in step 1.
7. Press [ENTER] on the remote control.
8. When the application installation screen appears, follow the instructions to install the application.
9. When installation finishes, press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
    • The installed application will be added to the application list.
10. To set the installed application to start automatically, select "Startup" in the "CONTENT MENU" screen, and select the installed application from the application list.
11. Press [RETURN] on the remote control to return to the "CONTENT MENU" screen.

Using an optional Expansion Board

To control a monitor using an HDBaseT Receiver Board (PN-ZB03H) or a Mini OPS compatible board on the market, change the communication setting to RS-232C control.

- LAN control cannot be performed from an expansion board.

1. Press _{MENU} ◯ on the center right side of the remote control to display the OSD menu.
2. Select "SETUP" – "COMMUNICATION SETTING".
3. Set "RS-232C/LAN SELECT" to "RS-232C".
4. Set "CONTROL ROUTE" to "OPTION".
5. Press _{MENU} ◯ on the center right side of the remote control to close the OSD menu.

Quad-screen multi-display setting

To connect four monitors in a daisy chain connection using the DisplayPort input/output terminals and display content in 4K resolution (3840 x 2160 dots), configure the settings below.

● A daisy chain connection is only available for same series monitors.

1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
2. Select "Setup".
3. Select "Screen resolution (HDMI Mode)".
4. Select "HDMI Mode".
5. Select "3840x2160p-30".
6. Press ◯ (MENU) on the center right side of the remote control to display the OSD menu, and select "MULTI/PIP".
7. Select "MULTI".
8. Set "ENLARGE" to "ON".
9. Select "ADVANCED".
10. Make sure that "ENLARGE H" and "ENLARGE V" are set to "2".
11. In "ENLARGE-POS", set which of the four divided parts is to be displayed based on your monitor layout.
12. Press ◯ (MENU) on the center right side of the remote control to close the OSD menu.

Monitor control using LAN/RS-232C commands

- LAN control and RS-232C control cannot be performed simultaneously. Set the control route with "SETUP" – "COMMUNICATION SETTING" – "RS-232C/LAN SELECT" in the OSD menu.
- If you want to control the monitor using LAN commands, configure the following setting.
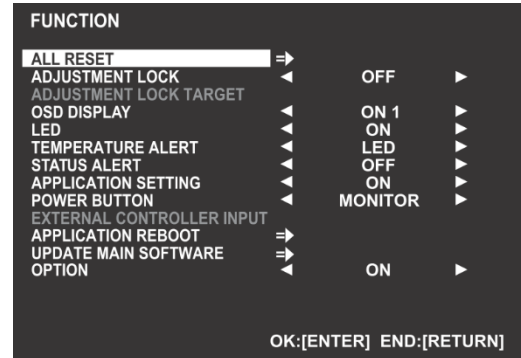 1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.
  2. Select "Setup"".
  3. Select "Telnet Server".
  4. Set "Telnet Server" to "ON".
  5. Set a "User name" and "Password" if needed.
     • By default, a "User name" and "Password" are not set.
  6. Press [CONTENT MENU] on the remote control to return to the CONTENT MENU" screen.
  7. Press ^{MENU}◯ on the center right side of the remote control to display the OSD menu, and set "SETUP" – "COMMUNICATION SETTING" – "RS-232C/LAN SELECT" to "LAN".
  8. Press ^{MENU}◯ on the center right side of the remote control.
- If "Ethernet" or "Wireless LAN" is set to "OFF" in the Android "Settings" screen, the LAN port or wireless LAN will be disabled and commands (LAN commands) that control the monitor via LAN cannot be used.
- If you want to configure network settings for a static IP address (permanent IP address) using LAN/RS-232C commands, network settings using the static IP address must be configured on the wired LAN in advance. (Refer to "Setting a static (permanent) IP address" on page 6.)

Restarting Android

If the operation of a preinstalled application becomes unstable, follow the steps below to restart the Android OS.

1. Press [FUNCTION] on the remote control, and within 10 seconds, press ⭕ (MENU) on the center right side of the remote control.
2. Select "APPLICATION REBOOT".
3. Select "SET".

   The Android OS restarts.

```
FUNCTION

ALL RESET                          ⇒
ADJUSTMENT LOCK              ◄      OFF      ►
ADJUSTMENT LOCK TARGET
OSD DISPLAY                  ◄      ON 1     ►
LED                          ◄      ON       ►
TEMPERATURE ALERT            ◄      LED      ►
STATUS ALERT                 ◄      OFF      ►
APPLICATION SETTING          ◄      ON       ►
POWER BUTTON                 ◄      MONITOR  ►
EXTERNAL CONTROLLER INPUT
APPLICATION REBOOT                 ⇒
UPDATE MAIN SOFTWARE               ⇒
OPTION                       ◄      ON       ►



                          OK:[ENTER]  END:[RETURN]
```

Initializing the preinstalled application settings

If the operation of a preinstalled application is still unstable after you have restarted the Android OS as explained on the previous page, you can use the procedure below to initialize the application settings.

● When the procedure below is performed, all OSD menu settings of the monitor will be initialized along with the preinstalled application settings.
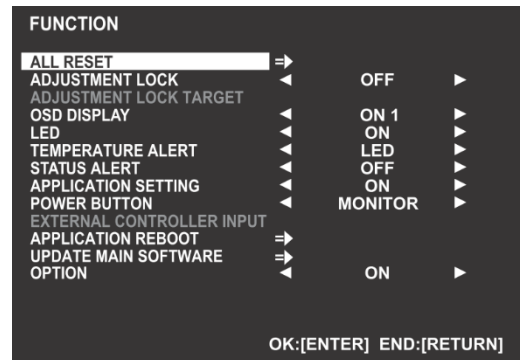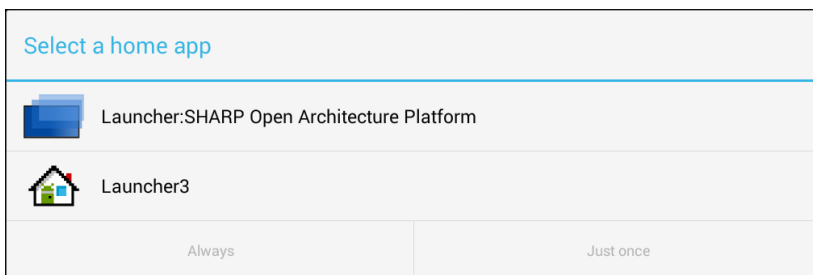
1. Press [FUNCTION] on the remote control, and within 10 seconds, press ○ (MENU) on the center right side of the remote control.

2. Select "ALL RESET".

3. Select "ALL RESET 1".

    "RESETTING" appears and the settings are initialized.

4. When initialization finishes, the "Date/time" setting screen appears.

5. Set the monitor settings again.

FUNCTION			
ALL RESET	⇒		
ADJUSTMENT LOCK	◄	OFF	►
ADJUSTMENT LOCK TARGET			
OSD DISPLAY	◄	ON 1	►
LED	◄	ON	►
TEMPERATURE ALERT	◄	LED	►
STATUS ALERT	◄	OFF	►
APPLICATION SETTING	◄	ON	►
POWER BUTTON	◄	MONITOR	►
EXTERNAL CONTROLLER INPUT			
APPLICATION REBOOT	⇒		
UPDATE MAIN SOFTWARE	⇒		
OPTION	◄	ON	►

OK:[ENTER] END:[RETURN]

Android initialization

If the operation of the internal controller (Android OS) becomes unstable, you can follow the procedure below to initialize Android.

● When the procedure below is performed, the Android environment will return to the factory default state and additionally installed applications, saved data, and application settings will all be cleared.

1. Turn on the monitor power, and press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen.

2. Select "System Setting".

   ⇒ The Android "Settings" screen appears.

3. Select "Backup & reset".

4. Select "Factory data reset".

5. Select "Reset device".

6. In the deletion confirmation screen, select "Erase everything".

   ⇒ Android restarts and initialization is performed.

6. When initialization is completed, the "Select a home app" screen appears.
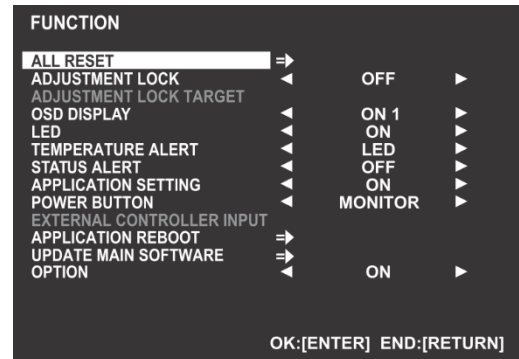

7. Select "Launcher: SHARP Open Architecture Platform" and select "Always".

   ⇒ The "CONTENT MENU" screen appears.

8. Set the monitor settings again.

Android ("APPLICATION" input mode) OFF setting

If you will not use the Android OS, you can configure the setting below to hide "APPLICATION" in the input mode selection menu.

● If you use the procedure below, "APPLICATION" will no longer appear in the input mode selection menu.

● The LAN port and wireless LAN will be disabled and commands (LAN commands) that control the monitor via LAN cannot be used.

1. Press [FUNCTION] on the remote control, and within 10 seconds, press ◯ MENU on the center right side of the remote control.

2. Set "APPLICATION SETTING" to "OFF".

  • Setting "APPLICATION SETTING" to "OFF" hides the Android OS.

```
FUNCTION

ALL RESET                          ⇒
ADJUSTMENT LOCK            ◄        OFF        ►
ADJUSTMENT LOCK TARGET
OSD DISPLAY                   ◄       ON 1       ►
LED                           ◄        ON        ►
TEMPERATURE ALERT             ◄       LED        ►
STATUS ALERT                  ◄       OFF        ►
APPLICATION SETTING           ◄        ON        ►
POWER BUTTON                  ◄     MONITOR      ►
EXTERNAL CONTROLLER INPUT
APPLICATION REBOOT              ⇒
UPDATE MAIN SOFTWARE            ⇒
OPTION                        ◄        ON        ►


                          OK:[ENTER]  END:[RETURN]
```

If you need to use the Android OS, configure the settings below.

1. Press [FUNCTION] on the remote control, and within 10 seconds, press ◯ MENU on the center right side of the remote control.

2. Set "APPLICATION SETTING" to "ON".

When you configure the settings above, the LAN port and wireless LAN are not automatically enabled. To use the LAN port or wireless LAN, continue by configuring the following setting.

● If the following setting is not configured, commands that control a monitor over LAN (LAN commands) cannot be used.

1. Press [CONTENT MENU] on the remote control to display the "CONTENT MENU" screen, and select "Setup".

2. Select "Ethernet(LAN)" to use the LAN port.
   Select "Wireless LAN" to use the wireless LAN.

   • When selecting "Ethernet(LAN)", the Android "Settings" – "Ethernet" screen appears.
   • When selecting "Wireless LAN", the Android "Settings" – "Wireless LAN" screen appears.

3. Set "Ethernet" or "Wireless LAN" to "ON".

4. Configure network settings as needed.

SHARP

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