8K Media Player
User Manual

Model No: SCY814A00

Document code: MN04-00005-3E

2019/05/10
Socionext Inc.
Important Safety Instructions

- PLEASE read the following operating instructions carefully before use.
- IT IS OBLIGED TO follow the safety instructions on the unit and listed below.
- This user manual should be well preserved and handy for necessary references.

1. Do not use this device near water or wet places.
2. Only clean with a dry cloth and neutral detergent.
3. Do not block any ventilation openings.
4. Do not put the unit near any heat sources such as radiators, heat registers, stoves, video stereos, or any devices that generate heat.
5. Do follow the safety purpose of the polarized or grounding-type plug.
6. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of an applicable outlet.
7. Protect the power cable from any occasions of being stepped or pinched, especially at the plugs; convenience receptacles; and any points where exit from the unit.
8. Only use attachments/accessories specified in context.
9. Unplug this unit during lightning storms, or when it is not in used for a prolonged period of time.
10. Consult all services to an authorized service representative. Servicing is required when the unit, power-supply cable or plug is damaged; liquid has been spilled or objects have fallen into the unit; or when the unit is exposed to rain or any wet environment, operating abnormally, or dropped.

CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. THESE ARE NO USER SERVICABLE PARTS INSIDE. REFER ALL SERVICEING TO QUALIFIED PERSONNEL.
Warnings & Cautions

1. To reduce the risk of fire, electric shock or product damage,
   1.) Do not expose this unit to rain or excessive moisture environment.
   2.) Do not expose this unit to dripping or splashing water.
   3.) Do not place the objects filled with liquids, such as vases, on this unit.
   4.) Do not remove the covers.
   5.) Do not repair by yourself. Consult to an authorized service representative.
   6.) Only use the enclosed accessories.
2. Install this unit at where the power plug can be immediately unplugged from the outlet. Route power cable so that it is not likely to be stepped on or pinched by items placed on or against it. Pay particular attention to the cables at the plug terminal, at wall outlets, and any point where it exit from the unit.
3. Do not place sources of opened flames, such as lighted candles near or on this unit. Some part of this unit may be heat up during use. While moving or cleaning this unit, disconnect the power supply cable.
4. To reduce the risk of fire, electric shock or Product damage, do not install or place this unit in a bookcase, built-in cabinet or any other closed space to ensure that the ventilation is well provided for preventing overheat.
5. Do not block the ventilation openings with newspapers, tablecloths, curtains, and similar items.
6. Do not place the unit with the any equipment that may become hot or generate heats. The unit may be damaged by overheating.
7. To protect this unit from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet.
8. Never insert anything metallic into the open parts of this unit. Doing so may cause a danger of electric shock.
9. Make sure to plug the power cable in until it is firmly seated. When unplugging the power cable from a wall outlet, always pull on the power cable’s plug. Never unplug by pulling on the power cable. Do not touch the power cable with wet hand.
10. If this unit does not operate normally –in particular, if there are any unusual sounds or smells coming from it – unplug it immediately and contact the sales representative.
11. Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cable to generate sparks and heat or the insulation to deteriorate. Please keep the working space clean for safety.
12. Use only a properly grounded plug and wall outlet.
13. Do not allow children to hang on this unit. Store the accessories (USB flash drive etc.) in a location safely out of the reach of children.
14. Do not install the unit in an unstable location such as a shaky self, a slanted floor, or a location exposed to vibration.
15. Do not drop or strike this unit.
16. To clean this unit, unplug the power cable from the wall outlet and wipe. This unit can be cleaned by using a soft, dry cloth and allowed neutral detergent. Do not use any chemical such as wax, benzene, alcohol, thinners, insecticide, air fresheners, lubricants, or other detergent. These chemicals can damage the parts of the unit or erase the printing on the unit.
17. Do not plug multiple electric devices into the same wall socket. Overloading a socket can cause it to overheat, resulting in a fire.

18. Before connecting the AC adapter to the unit and wall outlet, make sure the wall outlet voltage is within the range of 100V-240V.

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22. We do not take any responsibility even if the act of infringing the copyrights of another company is done using this software.

23. We are not responsible for any damages caused by using the software directly or indirectly or for any claims from third parties.

24. Software specifications may be changed without notice in the future.
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To Customer:

1. This Product shall be delivered to Customer on “As Is” basis, and has no representations or warranties to Customer with respect to the use of the Product.

2. Customer shall use the Product for the sole purpose of internal evaluation, development and demonstration of the Customer’s Products, and shall not modify, reverse engineer, decompile, or disassemble the Product.

3. The Product shall not be used for the purpose of development or manufacture of weapons including nuclear weapons, chemical weapons, biological weapons, missiles or those weapons-related assemblies or subassemblies, parts and materials, equipment, tools or jigs therefor.

4. Customer shall be liable for any damages, expense, cost, demand or claim arising from or in connection with Customer’s use of the Product.

5. All right, title and interest in and to the Product, including all intellectual property rights embodied therein shall not be transferred to Customer.

6. Customer shall obtain and maintain all regulatory and legal licenses and certifications, governmental or otherwise, required pursuant to applicable laws and regulations, including, but not limited to, export laws or regulations (the “Regulations”) for Customer to lawfully use the Product in each territory. Customer shall be solely responsible, at its own cost and expenses, for compliance with such Regulations.

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9. The Products and Product specifications described herein are subject to change without notice for modification and/or improvement.

10. This document may be not modified, reprinted or reproduced whether wholly or partially.

11. Customer shall not remove, modify or alter any intellectual property rights notices contained on or appearing in the Product and this document.
# Revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018.3.30</td>
<td>1.0</td>
<td>First release</td>
</tr>
<tr>
<td>2018.8.20</td>
<td>2.0</td>
<td>Update outer case design and maximum bit rate and Safety Certifications</td>
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<tr>
<td>2019.5.10</td>
<td>3.0</td>
<td>Update information of user interface and regulations</td>
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1. Overview

1.1 Product Description

The 8K Media Player (knowing as “the Product” in context) is the world 1st Product capable of playing 8K@60p HEVC video. It outputs the video through 4-channel HDMI2.0 port, and plays MP4 format contents saved in an external USB flash drive prior to use.

1.2 Product Feature

- Support USB 2.0 and 3.0 for file storage, with respective ports. (see 2.3)
- Support high bitrates of HEVC decoder.
- Support 4x HDMI 2.0 outputs for 8K contents output.
- Support AC adapter with 100-240V, 50/60Hz.

1.3 System Diagram

The following figure shows the concept of system connection. The prepared 8K contents should be saved in USB flash drive prior to the use.

1.4 Package Contents

Below describes the accessories delivering to user. The part numbers are subject to change without further notice. Please contact the sales representative for any queries.

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Purpose</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>8K Media Player (SCY814A00-0)</td>
<td>1</td>
<td>For playback the 8K contents</td>
<td></td>
</tr>
<tr>
<td>AC adapter</td>
<td>1</td>
<td>For electrical power supply</td>
<td></td>
</tr>
<tr>
<td>Power cable *1</td>
<td>2</td>
<td>For electrical power supply</td>
<td></td>
</tr>
<tr>
<td>HDMI Cable *2</td>
<td>4</td>
<td>For all HDMI ports (see 2.3)</td>
<td></td>
</tr>
<tr>
<td>USB flash drive *3 (Kingston DTSE9G2; 16GB)</td>
<td>1</td>
<td>For importing 8K contents</td>
<td></td>
</tr>
<tr>
<td>Air Mouse (MX3-L air mouse)</td>
<td>1</td>
<td>For video application operations</td>
<td></td>
</tr>
<tr>
<td>Setup Guide</td>
<td>1</td>
<td>For user fast setup to use</td>
<td></td>
</tr>
</tbody>
</table>

*1 For enquiries to other adopters than the enclosed ones, contact the sales representative for information.

*2 Should support to 4K60Hz, 18Gbps.

*3 Default in NTFS format.
2. Getting Started

2.1 Product Introduction

The operation of Product is divided into three parts: manipulating the Keys on the Front Panel for main operations; connecting to USB flash drive and output display to the Terminals on the Back Panel and Bottom Panel; and remote controls via the included Air Mouse as an optional function. Below diagram describes the main interfaces for user application.

<table>
<thead>
<tr>
<th>Keys</th>
<th>Function/Application description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEFT</td>
<td>Left arrow key; Skip to previous content</td>
</tr>
<tr>
<td>RIGHT</td>
<td>Right arrow key; Skip to next content</td>
</tr>
<tr>
<td>UP</td>
<td>Up arrow key; Key lock when press and hold this button</td>
</tr>
<tr>
<td>DOWN</td>
<td>Down arrow key</td>
</tr>
<tr>
<td>ENTER</td>
<td>Enter key; Play, pause or resume</td>
</tr>
<tr>
<td>RETURN</td>
<td>Return to files list</td>
</tr>
<tr>
<td>POWER</td>
<td>System power switch (Power off when press and hold this button)</td>
</tr>
<tr>
<td>STATUS LED</td>
<td></td>
</tr>
<tr>
<td>● No light :</td>
<td>AC off</td>
</tr>
<tr>
<td>● Red :</td>
<td>System off (AC on)</td>
</tr>
<tr>
<td>● Green flash :</td>
<td>Booting</td>
</tr>
<tr>
<td>● Green :</td>
<td>System on</td>
</tr>
</tbody>
</table>
### 2.3 Terminals on Back Panel and Bottom Panel

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Function/Application description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC_IN</td>
<td>Power switch and to AC adapter connector *1</td>
</tr>
<tr>
<td>HDMI OUT_0</td>
<td>HDMI port, 8K video/audio output to segment A *2</td>
</tr>
<tr>
<td>HDMI OUT_1</td>
<td>HDMI port, 8K video/audio output to segment B *2</td>
</tr>
<tr>
<td>HDMI OUT_2</td>
<td>HDMI port, 8K video/audio output to segment C *2</td>
</tr>
<tr>
<td>HDMI OUT_3</td>
<td>HDMI port, 8K video/audio output to segment D *2</td>
</tr>
<tr>
<td>USB_0</td>
<td>Support USB3.0; suggest to connect to the USB flash drive for designated display contents *3 *4 *5</td>
</tr>
<tr>
<td>USB_1</td>
<td>Support USB2.0; suggest to connect to the USB flash drive for designated display contents *3 *4</td>
</tr>
<tr>
<td>USB_2</td>
<td>Support USB2.0; suggest to connect to the dongle of air mouse *3 *4</td>
</tr>
<tr>
<td>SPDIF</td>
<td>2ch digital audio output</td>
</tr>
<tr>
<td>L/R</td>
<td>Reserved port</td>
</tr>
<tr>
<td>LAN/TLV</td>
<td>Reserved port</td>
</tr>
</tbody>
</table>

*1 For enquiries of other adopters other than the enclosed ones, contact the sales representative for more support.

*2 For connections to 8K display or supported 4K displays, see section 3.1 for more details.

*3 The USB ports do not support universal USB Hub for extensions to more ports.

*4 The USB ports do not support multiple USB flash drive. Applications other than the specified purpose of file storage are also not supported. The maximum USB flash drive of used should also remain no exceed to 256GB.

*5 Files that require bitrate greater than 200Mbps should be connect to USB_0 port.
2.4 Remote Control with Air Mouse (Optional)

The following keys*1 on the Air Mouse are also available for operations to the Product, in remote control purposes.

<table>
<thead>
<tr>
<th>Keys</th>
<th>Function/Application description</th>
</tr>
</thead>
<tbody>
<tr>
<td>www</td>
<td>Left arrow key; Skip to previous content</td>
</tr>
<tr>
<td>com</td>
<td>Right arrow key; Skip to next content</td>
</tr>
<tr>
<td>^</td>
<td>Up arrow key</td>
</tr>
<tr>
<td>@</td>
<td>Down arrow key</td>
</tr>
<tr>
<td>←</td>
<td>Enter key; Play, pause or resume</td>
</tr>
<tr>
<td>←</td>
<td>Return to files list</td>
</tr>
</tbody>
</table>

*1 Indications only. Functions of other keys are reserved for internal purpose.
3. Operational Guides

3.1 Before Connecting

1) Available displays
   The Product is suggested to be adopted to 8K displays for best application. However, it also supports 4x 4K displays with below conditions:
   - ALL 4K displays are necessary to be the same type of model.
   - All displays are required to support below video specifications:
     - Resolution: 3,840 x 2,160
     - Frame rate: 60fps
     - Video input format: YCbCr 4:2:2
     - HDMI input ports: 2.0 or above

2) Contents preparation
   The Product itself does not include any contents. It is necessary for user to prepare the available contents prior to the operation. The tentative contents should meet below conditions for expected operation:
   - File container: MP4
   - Codec format: HEVC (H.265). See more details in appendix.
   - Audio format: AAC
   - Bitrate: Max 200Mbps

   The prepared files should also be saved in the USB flash drive (NTFS format) for use. For requirements of the USB flash drive and terminal connections, please refer to section 2.3 and 3.2 for more details.
3.2 Connect to Displays

Below diagram shows the overview of system connections. For detailed specifications to the each terminal, see section 2.3.

See below instructions to the connections to each terminal port.

① Connect the included AC adapter to DC_IN.

② Connect HDMI OUT0 - 3 to the 8K display (or 4x 4K displays). For the connection relationship between display(s) and the Product, please refer to the next page.

③ If an amplifier is used, connect SPDIF to audio amplifier with and optical cable.

④ If the air mouse is used, connect the USB dongle to USB_2 port.

⑤ Connect USB flash memory to USB_0 or USB_1 port at the bottom panel. Multiple USB memory connection is NOT supported. IF USB_1 port is using, DO NOT FORGET to keep the bottom panel closed.

⑥ After all connections are completed, the system can be switched on and is ready to use.
■ For 8K display

PLEASE NOTE while using SHARP 8K television “AQUOS LC-70X500”, the output segment A to D can be refer to HDMI input A to D of the display.

■ For 4K displays
3.3 System start up

After all connections are done, the system is ready to be started up, with the instructions below:
1) Switch on the power switch (DC_IN) at the back panel. The status LED will then become RED indicating the electrical power is ON now.
2) Press the power key at the front panel. The status LED will start flashing in green and come to steady in 1 minute, indicating the system is now ready to use. The system will then start playbacks automatically.

3.4 Guides and Instructions to Local Player Application

- When the system is started, the Local Player Application (knowing as the “Application”) will start automatically and repeat the playbacks of available contents. The play order is defaulted in the alphabetical orders of file names. PLEASE NOTE that remove or connect any USB devices or HDMI cable during the application may result in stopping playbacks and potentially cause system errors.
- User can also enter the control interface by pressing the RETURN key at the front panel. The guide to the Application is showing here, following by detailed descriptions to each operation mode below:

<table>
<thead>
<tr>
<th>#</th>
<th>Function/Mode Name</th>
<th>Function Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Files list (Standby mode)</td>
<td>Demonstrates all files at the root directory of the</td>
</tr>
<tr>
<td></td>
<td></td>
<td>connected USB flash drive.</td>
</tr>
<tr>
<td>2</td>
<td>PLAY ALL mode</td>
<td>Enable the user to play ALL available files.</td>
</tr>
<tr>
<td>3</td>
<td>PLAY TICKED mode</td>
<td>Enable the user to play TICKED available files.</td>
</tr>
</tbody>
</table>
1) **Files list (Standby mode)**

- In this mode, the application will retrieve and show ALL files at the root directory of the USB flash drive, including the 8K content file.
- You can choose to play ALL contents or the selected (“TICKED”) one(s). PLEASE NOTE ONLY the file with supported format will be performed while start playing. IF all contents or all ticked contents are not in the supported format, the Product will not start any playbacks and remain at the file list screen.
- The available operation keys and instructions are summarized below:

<table>
<thead>
<tr>
<th>Air mouse</th>
<th>Front key</th>
<th>Available actions</th>
<th>Purpose of action</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;</td>
<td>&lt;</td>
<td>Move towards left</td>
<td>Move the pointer to the needed files</td>
</tr>
<tr>
<td>&gt;</td>
<td>&gt;</td>
<td>Move towards right</td>
<td></td>
</tr>
<tr>
<td>↑</td>
<td>↑</td>
<td>Move upwards</td>
<td></td>
</tr>
<tr>
<td>↓</td>
<td>↓</td>
<td>Move downwards</td>
<td></td>
</tr>
<tr>
<td>[ENTER]</td>
<td></td>
<td>Select and confirm</td>
<td>Confirm the selected files/actions and start</td>
</tr>
</tbody>
</table>

2) **PLAY ALL mode**

- To initial this mode, use the direction keys to select the PLAY ALL button and enter the function.

<table>
<thead>
<tr>
<th>External Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample A.mp4</td>
</tr>
<tr>
<td>Sample B.mp4</td>
</tr>
<tr>
<td>Sample C.mp4</td>
</tr>
</tbody>
</table>

- The available operation keys and instructions are summarized below:

<table>
<thead>
<tr>
<th>Air mouse</th>
<th>Front key</th>
<th>Available actions</th>
<th>Purpose of action</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;</td>
<td>&lt;</td>
<td>Skip backwards</td>
<td>Go back to the previous video file</td>
</tr>
<tr>
<td>&gt;</td>
<td>&gt;</td>
<td>Skip forwards</td>
<td>Go to the previous video file</td>
</tr>
<tr>
<td>[PLAY]</td>
<td></td>
<td>Play or Pause</td>
<td>Play, pause, or resume the playing video file</td>
</tr>
<tr>
<td>[RETURN]</td>
<td></td>
<td>Return</td>
<td>Return to file list menu</td>
</tr>
<tr>
<td>↓</td>
<td></td>
<td>Enable or release the key locks</td>
<td>Press and hold for key lock or release</td>
</tr>
</tbody>
</table>
3)  **PLAY TICKED mode**

- Before initiating this mode, use the direction keys to select the tentative file(s) and confirm the selections by pressing Enter. Then press the PLAY TICKED button and the application will start this function.

- The available operation keys and instructions are the same as the PLAY ALL mode.

### 3.5 Power Off

- Before the switching off the system, stop video playback and return to file list to avoid crashes on saved files in USB flash drive.

- The system can then be switched off by either pressing power key on front panel.

- If the power is tended to be shut down completely, turn off the power switch on the back panel.
4. Technical Support

4.1 FAQs

1) Display application related

- I am using four 4K displays, and the picture position does not seem right.
  Check the connection of each display to the output ports of the Product (HDMI OUT 0-3) is connected correctly. For more details, please refer to 2.3.

- My 4K display only supports YCbCr 4:2:0 color, can I use it?
  No. See section 3.1 for more information to the display requirements.

- Does “8K media player” support non-4K display, such as 2K or 720p?
  No. See section 3.1 for more information to the display requirements.

- An error message “This monitor is not 4K resolution. Please switch to 4K monitor” is showing up. What happened?
  This error shows when one (or more) of the four displays does not support the required specifications. See section 3.1 for more details.

2) USB flash drive related

- Can I turn off “8K media player” while playing?
  For power off, please refer to section 3.5 for the operation guide.

- Can I remove USB memory stick while contents are playing?
  No. Hot plug of any devices during playback is not guaranteed.

- Can I remove USB memory stick while the media player is powered on?
  The USB flash drive can be removed it when the system is off, or playback stops; it is not allowed to be removed during any playbacks.

- What happens if I put multiple USB memory devices?
  The Product does not support any operations of multiple USB flash drive. Please ONLY use ONE USB flash drive at once.

- Can I use USB-HDD or USB-SD card dongle instead of USB memory?
  Please use the included USB flash drive. Operation and performances are not guaranteed for other devices.

- What type of USB memory format is required?
  NTFS format is required for contents playback.

- Can I use USB keyboard or mouse?
  You may use the devices other than the enclosed ones, but the operation and performance cannot be guaranteed.

- It looks like video playback is not smooth as expected. Why?
  Please confirm whether you are connecting the USB flash drive to the appropriate port. Refer to section 2.3 for more information.
3) Contents playback related

- **What happens if I put non-8K contents in the USB flash drive and to the media player?**
  The Product does not support non-8K contents and ignore them during the application. Please refer to Chapter 3 for the operation guides to the Product and Application.

- **The content file is shown on the playlist, but it cannot be played.**
  Please check if the tentative file format complies with the requirements stated in section 3.1.

- **Can I play still pictures in format such as JPEG or PNG?**
  No. The Product does not support this function.

- **Does this system support 8K broadcast receiver?**
  No. The Product does not support this function.

4) System related

- **Is CEC feature supported?**
  No. The Product does not support this function.

- **The media player does not start up when the power is on. Why?**
  Please confirm below application conditions:
  - The electrical power is switched on.
  - The power key is pressed to enable system start up.
  - Power cable is connected to the power outlet.
  - Check whether the system is in software update mode or not. See section 4.2 for more details.
  - The USB flash drive is connected and has 8K content with correct format.
  - The HDMI cables between the Product and output display(s) are well connected.
  - Adopted display should all support to 8K or 4K resolution to have expected video output.
  - If you are using 4K displays, they must all support YCbCr 4:2:2.

- **I turned on power switch and the system starts automatically. Is it normal?**
  It happens when you turned off the device by switching off the power switch during the latest application. In this case, if the system does not start up in 1 minute, press the power key and try to start the system again. However, it is advised to operate the device with the instructions stated in Chapter 3.

- **The device becomes hot during the application. Is it normal?**
  Yes, it is normal.

- **I cannot use the front panel keys.**
  The keys may be locked. Press and hold the “^” key for 5 seconds to unlock and try again.
The included “Air mouse” does not work.
Make sure if 2.4GHz dongle is connected and the battery is set.

I lost the Air mouse. Is there any alternative way to operation?
Yes, you can use the front keys.

I removed the HDMI cable and connected again, but there is no video output.
By restarting the system, the application can be reset and start normally. However, please avoid this application which may cause potential crashes on the system and the saved files.

I removed the USB flash drive during playbacks, the video stopped playing and the screen become still. How to recover this error?
By restarting the system, the application can be reset and start normally. However, please avoid this application which may cause potential crashes on the system and the saved files.

There is no SPDIF audio.
Make sure the cable is connected or not, and the volume is on.

I’m at home desktop now. How do I access to the player app?
Move to the mark “^” at the bottom left corner, click and access to the application list, point to “Local Play Application” and click. The player application then will be started as the system just boot-up.
4.2 Software Update

The user may receive the request of updating the system software sometimes from the sales representative. In this case, the following instructions are provided for user operations to update the software.

1) Confirm the version of software

The user is recommend to keep the software updated to the most recent version for the best application of product. The version of software can be confirmed through below instructions:

① Turn on power switch at the back panel, WITHOUT put in any USB flash drive.

② When the Application starts up, check the information block at the corner of bottom right. Example image is shown as below:

```
8K Display

Outer_Maker_ID: 0001
Software_Version: 00614
```

2) Update the software

To update the software, the update file shall be saved in the USB flash drive (in FAT32 format *) prior to use. Once the preparation is ready, follow below instructions to update the software:

① If there is any USB flash drive are being used at the same time (including the wireless dongle device and 8K contents), switch off the system and remove ALL of them.

② ONLY put the USB flash drive with update file to the Product.

③ Hold the “^” key at the front panel and turn on the power switch.

④ Release the “^” key when the status LED starts flashing in green, which means the software has been started updating automatically.

⑤ The status LED will continue flashing until the update process is done. It usually takes around 7-10 minutes (8 in average).

⑥ Once the status LED stops flashing and becomes green, the software update process is called completed. Turn off the power switch and DO NOT REMOVE THE USB FLASH DRIVE YET.

⑦ Repeat ③ and wait until status LED becomes orange, which means that the system is reset and ready. It usually takes about 10 seconds.

⑧ Turn off the power switch and remove the USB flash drive. The Product now can be continued to boot up the system.
3) **System boot-up**

For the 1\textsuperscript{st} boot after the system updates, follow below instructions to operation:

① Turn on the power switch (DC\_IN) on the back panel.

② The system will started automatically and shows below message box. Press ALLOW to authorize the access of application to files in the USB flash drive.

![Allow Local Play Application to access photos, media and files on your device?](http://www.socionext.com/)

DENY ALLOW

The horizontal direction keys and ENTER key on the Front Panel can be used for this operation.

<table>
<thead>
<tr>
<th>LEFT</th>
<th>RIGHT</th>
<th>UP</th>
<th>DOWN</th>
<th>ENTER</th>
<th>RETURN</th>
<th>POWER</th>
<th>STATUS LED</th>
</tr>
</thead>
</table>

③ Restart the system. Now the Product can be operated and all operations indicating in section 3.3 are available as usual.

*1 The FAT32 device is ONLY for software updates use. For retrieving the 8K contents, PLEASE use the devices in NTFS format.

*2 If the update process is not conducted within the designated time range (less than 7 minutes or more than 10 minutes), it means that the update file may not be correctly saved or even crashed. Please save the file again and redo the update process.

*3 If the ready-to-update version of software is an older version than the present one, the status LED will blink in red and the update will not be processed.
### 4.3 Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Decoder</strong></td>
<td></td>
</tr>
<tr>
<td>Container</td>
<td>MP4</td>
</tr>
<tr>
<td>Resolution</td>
<td>7,680 x 4,320</td>
</tr>
<tr>
<td>Frame Rate (fps)</td>
<td>59.94</td>
</tr>
<tr>
<td>Codec Format</td>
<td>HEVC (H.265)</td>
</tr>
<tr>
<td>Video Signal Format</td>
<td>YCbCr 4:2:0</td>
</tr>
<tr>
<td>Color Depth</td>
<td>10/8 bits</td>
</tr>
<tr>
<td>Bitrate</td>
<td>MAX 200 Mbps <strong>1</strong></td>
</tr>
<tr>
<td>Encode Format</td>
<td>See Appendix</td>
</tr>
<tr>
<td>Support Format</td>
<td>AAC</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td></td>
</tr>
<tr>
<td>Sampling Frequency</td>
<td>48 kHz</td>
</tr>
<tr>
<td>Audio Channels</td>
<td>2</td>
</tr>
<tr>
<td><strong>AV I/F</strong></td>
<td></td>
</tr>
<tr>
<td>Video (Audio) Output</td>
<td>HDMI 2.0 x 4 ch <strong>2</strong>, SPDIF</td>
</tr>
<tr>
<td><strong>USB port</strong></td>
<td></td>
</tr>
<tr>
<td>At Back Panel</td>
<td>USB3.0 x 1, USB2.0 x 1 <strong>3</strong></td>
</tr>
<tr>
<td>At Bottom Panel</td>
<td>USB2.0 x 1 <strong>4</strong></td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>DC 12 V/5A, AC Adapter 100V-240V, 50/60Hz</td>
</tr>
<tr>
<td><strong>Power Consumption</strong></td>
<td>MAX 50W</td>
</tr>
<tr>
<td>Dimensions (W x D x H) (mm)</td>
<td>410.0 x 218.8 x 70.5 <strong>6</strong></td>
</tr>
<tr>
<td>Weight</td>
<td>2.6 kg (approx.)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0°C to 40°C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>10% to 80% RH (Non-condensing)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20°C to 60°C</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>5% to 95% RH (Non-condensing)</td>
</tr>
<tr>
<td>Environmental Safety</td>
<td>RoHS, REACH</td>
</tr>
<tr>
<td><strong>Regulations and Standards</strong></td>
<td>CE, CCC, BSMI, FCC <strong>7</strong>, UL, BIS, KC, ISED, RCM, EAC <strong>8</strong>, ECAS <strong>8</strong></td>
</tr>
</tbody>
</table>

**1** See section 2.3 for more details of USB connection requirements.

**2** Support video files with the frame rate of 60Hz, YCbCr 4:2:2, color depth of 10 bits; audio files with 48 kHz stereo.

**3** Support both USB flash drive and HID devices; for USB flash drive, max: 256 GB.

**4** Support USB flash drive ONLY; max: 256 GB.

**5** For enquiries of other adopters other than the enclosed ones, contact the sales representative for more support.

**6** With rubber stand. Dimensions without rubber stand: 410.0 x 218.8 x 60.0 mm (approx.).

The projecting part of the main body is not included in the dimension.

**7** The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

**8** Effective after June 2019.
Appendix

Valid Encoder Specification

The Product supports two types of 4-divide encoding format as input video stream.

- **HEVC (ITU-T H.265):**
  4 Divide Encoding format (ITU-R BT2073/ARIB STD-B32)

  - **Independent slice segment 0**
    
    \[
    \text{first_slice_segment_in_pic_flag}=1
    \]

  - **Independent slice segment 1**
    
    \[
    \text{first_slice_segment_in_pic_flag}=0
    \]
    \[
    \text{slice_segment_address}=2,040 \ (64\times64 \text{ CTB case})
    \]

  - **Independent slice segment 2**
    
    \[
    \text{first_slice_segment_in_pic_flag}=0
    \]
    \[
    \text{slice_segment_address}=4,080 \ (64\times64 \text{ CTB case})
    \]

  - **Independent slice segment 3**
    
    \[
    \text{first_slice_segment_in_pic_flag}=0
    \]
    \[
    \text{slice_segment_address}=6,120 \ (64\times64 \text{ CTB case})
    \]

- **HEVC (ITU-T H.265):**
  4 Divide Encoding format (square divide)
License
The open source licenses can be confirmed by following instructions if necessary. User operation needs the using of enclosed air mouse:

- **For software version: 00614, 00816, 10816, 20816**
  1. When the content list menu displays, press Backspace and “A” button at the same time.
  2. Click the down arrow icon at the bottom left of the screen.
  3. Click lick Settings icon in the Search Apps window.
  4. Click “About tablet”
  5. Click “Legal information”
  6. Click “Open source licenses”

- **For software version: 01517, 11517**
  1. When the content list menu displays, press “HOME” button.
  2. Click “licenses” icon

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http://socionext.com

Please check the latest user manual on the following website.