

Release Note (Sep, 2020)

Media Gateway Version 2.80

[About Media Gateway]

PWA-MGW1 Media Gateway software is application software for archiving files stored in the PWS-4500 Multi-Port AV Storage Unit and BPU4800 Broadband Processor Unit, to rec media, and for retrieving files stored in rec media to the PWS-4500. Optical disc archive cartridges, hard disk drives, SxS drives, Professional disc drives, XDCAM and Network drives can be used as rec media.

[Main Features of Media Gateway]

- Archives and retrieves files simply, using Internal Storage in the PC, ODS-D55U, ODS-D77U, USB-HDD, SxS Drive, Professional Disc Drive, XDCAM and Network Drive units.
- Archives clips, playlists, and cutout data on a 4K Server using instructions from the UI application.
- Previews clips in rec media.
- Supports ISO REC via ftp transfer to Internal Storage in the PC /USB-HDD/ ODS-D55U /ODS-D77U/Professional Disc Drive/XDCAM/Network Drive using frame chase archiving of the currently recording record train on the 4K Server.
- Supports mirror mode for simultaneous archiving of clips to two connected USB-HDDs.
- Supports archiving of clips to third-party servers, such as Avid systems.
- Supports Video Transcode function when Archive and Retrieve.
- Supports retrieving of WAV file to 4K Server.

[Operating System]

- Microsoft Windows Embedded 8 Standard
- Microsoft Windows Embedded 8.1 Industry Pro
- Microsoft Windows 10 IoT Enterprise 2016 LTSC

[Web Browser]

- Google Chrome 84
- The installer of Media Gateway installs this software automatically.

[Related Products]

- Optical Disc Archive Driver Software : Ver5.0.1 or later
- Professional Disc Driver Software : Ver5.2.0 or later
- SxS UDF Driver:Ver.2.2.0 or later

[Required Software]

- Apache Tomcat 9.0 Tomcat 9
 - The installer of Media Gateway installs this software automatically.
- OpenJDK 8 Update 252 (64bit)
 - Included in the installer of Media Gateway.
- Catalyst Browse 2019.2.1
 - To install Catalyst Browse 2019.1. Please manually install the software by using the dedicated installer that is provided together with version 2.7 Media Gateway Software.

[Supported Devices]

- Optical Disc Archive System(ODS-D55U, ODS-D77U)
 - Please install the driver according to the User's Manual.
- SxS Drive(SBAC-US20,SBAC-US30,SBAC-UT100)
 - Please install the driver according to the User's Manual.
- Professional Disc Drive(PDW-U2)
 - Please install the driver according to the User's Manual.
- USB-HDD Drive

[Installation]

- <Download>
- Please download the installer from Intra eCSite.
 - The installer is provided in the form of "MediaGateway2.8.0.92.exe".

<Step>

- The Media Gateway installer does not support upgrade installation.

When you have installed Media Gateway 1.0 , 1.1 already, please uninstall Media Gateway, Apache Tomcat ,Java and MySQL by using "Program & Features", and delete the following folders.

- C:\ProgramData\MySQL folder

*** "C:\ProgramData" might be hidden folder.

When you have installed Media Gateway more than 1.2 already, please uninstall Media Gateway, Apache Tomcat and Java by using "Program & Features".

- To start the installer of Media Gateway, please double-click the installer and proceed with the installation according to the instructions.
- After installation, please execute Config Tool and configure the Media Gateway.

<Install key>

- Install key is required to install Media Gateway. Please obtain the install key from Intra eCSite.
- When Media gateway was installed in advance, please refer to Installkey.txt of following folder.
C:\ProgramData\Sony\Media Gateway

[Note on Use]

1. About this application

- If a web-service-based application other than Media Gateway has been installed, Media Gateway may not work properly.

2. Web Browser

- In Chrome, some extensions block requests. When you use such kind of extensions, Media Gateway application does not work properly.

3. Java

- The Installer of the Media Gateway contains a Java. If you run the Installer in an environment where Java is already installed, you may not be installed properly. Certainly after uninstalling Java, please start the Installer.

4. Administrator password

- If you forget your password, please reinstall Media Gateway after performing a complete

uninstallation.

(Please note that the metadata and the database are deleted.)

5. Uninstallation

- Please perform the following steps when you uninstall completely for discarding PWS-100MG1/PWS-110MG1 .

1. Uninstall the following software in the order listed below.

(Please follow the instructions of the software uninstall of Windows.)

- Media Gateway
- Apache Tomcat9.0 Tomcat9
- MariaDB 10.2

2. Delete the following folders.

- C:¥ProgramData¥MariaDB (This might be Hidden Folder.)
- C:¥Program Files¥MariaDB 10.2
- C:¥ProgramData¥Sony¥Meida Gateway (This might be Hidden Folder.)
- C:¥Program Files¥Sony¥MeidaGateway

10. Others

- When you archive the MXF file over the duration 24 hours or the MOV file over the duration 8 hours, the file automatically cuts and transfers continue to new file.
- Transcoded PlayList and Cutout data are unrecognized by PWA-PRC1.
- When transcode transfer was canceled, sometime clip is remained in "cache_mgw" folder that is in Internal Storage. Please eliminate by manual.
- When the capacity of REC Media was Full in ISO REC, a message is indicated, but it's late for about at most 1 minute and is sometimes shown after the capacity will be Full.
- When the capacity of REC Media was Full in ISO REC, a message is indicated. Please close the message by preparing the Media promptly straddling destination.
- When the capacity of REC Media was Full in ISO REC of ProRes, that transfer will be failed.
- When ISO REC transfer, please make sure about 20GBytes even if there is little free space in the REC Media of the transfer destination.
- In the case of ProRes, material does not remain in the REC Media If you stop ISO REC in the middle.
- When connecting multiple units to Avid ISIS Server. Please make sure you are not using the same computer name in the network.
- The file duration of transferring to Avid Interplay is up to 6 hours.
- You can not use multi-byte characters and symbols (¥ /: * "<> |) that can not be used in the

file system for ClipName to be transferred to Avid Interplay.

- When transcode transfer via Watched Folder, if the new file is added to that folder in transcoding time, it may cause the multiple transfer same file.
- When you edit both Name, and Path of Watched Folder setting, there is the potential for DBUpdate failure. When it is necessary to edit both Name, and Path of Watched Folder, please delete that setting and restart the process once again.
- When you changed time setting of a machine, restart the machine.
- After you delete a network pass or network connection, you may experience circumstances that you cannot register a folder that has the same IP address you previously used. In that case, please enter the registration process after a brief interval.
- Setting change for "External" may take some time to refresh DB information. If the screen does not get updated, please wait a few moment and retry updating the screen.
- The clip that is being loaded by Production Control Software (PRC) could now be deleted from Media Gateway.
- When you launch Catalyst Browse Software, Mark IN/OUT may not properly be indicated.
- The materials that are being retrieved to the server may not smoothly be played back by Catalyst Browse.
- The upper menu of Catalyst Browse may be obscured by the Windows system bar.
- When the archiving of Professional Drive is stopped, the error dialog of the Driver end might be displayed.
- When XAVC HD C100 is archived to Professional Disk, please use 5.0.9 or later version for Sony XDCAM Drive Software.
- It will become an error if retrieving a Clips whose names have more than 36 characters including an extension to the 4K Server.
- When an error occurs during an archive, the file with "~" character might be remained.
- Frame Chase transfer cannot be performed when a Windows shared folder is registered as Network Drive. [It is possible on LinuxOS(Samba3).]
- When you execute DB restore, the NAS settings will be lost. Please delete the NAS settings and register it again.
- Do not retrieve to multiple PWS-4500 from Optical Disc simultaneously.
When you retrieve to multiple PWS-4500 from Optical Disc simultaneously, it might fail. Please wait for the completion of all retrieve, and retrieve the failed clip again.
- Transcode retrieve from MirrorMode Media cannot be done. To retrieve with transcode, cancel MirrorMode setting.
- Cannot retrieve to PWS-4500 using multi-byte characters Filename that is not the material acquired from PWS-4500.
- The maximum files or folders path length that this application can handle is 256. Media Gateway does not guarantee the operation of files or folders with name longer than 257

characters.

- When you use monitors connected via DVI, archived videos may not be played smoothly in Catalyst Browse. In such case, please use monitors that can be connected other than DVI (e.g. HDMI, DisplayPort, etc.).
- When you archive playlist including HFR network clips in BPU4800 to ODS, transfer jobs may be end in failure. In such case, please archive after transcoding from HFR to XAVC in BPU4800 is completed.
- Limitation of Loop REC archive
 - When you execute the ISO REC of Loop REC file, the transfer speed is slower than real time and thus the Loop REC will catch up to the position where the files are being transferred. If that occurred the ISO REC will be an error. However, the transferred files will be remained.
 - After you start the Loop REC on the PWS-4500 and make a circuit of the recording area once, ISO REC cannot be performed.
 - After you record some part of Loop REC, "pause" and "restart" will destroy the data that have already been recorded. Therefore if you would like to save the recorded data, it is necessary to complete ISO REC beforehand.
- Regarding ISO REC transfer speed
 - The Media Gateway (MGW) transfer speed significantly depends on the performance of USB-HDD, please check USB-HDD's performance beforehand.
 - In case MGW and Production Control Software (PRC) are installed on the same machine, the transfer speed will be reduced depending on the operating conditions of PRC.
 - In case MGW and PRC are not installed on the same machine(each software is installed on its own machine), it is possible to transfer 4K – 4 streams with a real time speed.

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Please refer to the following web page for relevant bug fix information.

Apache Tomcat: <http://tomcat.apache.org/>

Java: <http://java.com/>