

Display Power Management

User Guide

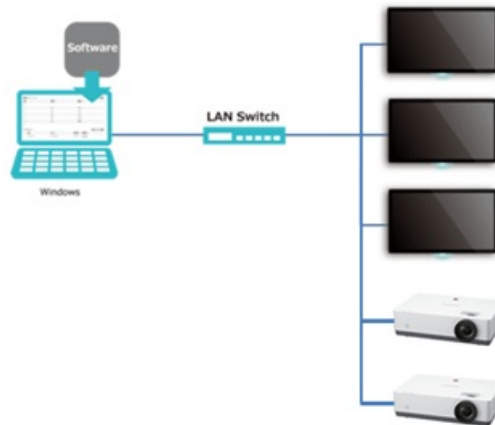
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1. Overview

Display Power Management can control power status of multiple displays via network remotely.

You can control power status not only manually but by a schedule. And you can also watch current TV power status.



About the latest product information, please visit the following URL:

- <https://pro-bravia.sony.net/resources/software/display-power-management/>

2. Required Environment

2.1. Display

- Sony Professional Display/BRAVIA
 - BRAVIAs which support professional mode
- Sony Data Projector
 - Projectors which support SDCP (Simple Display Control Protocol) or ADCP (Sony Advanced Display Control Protocol)

2.2. Server PC

Supported OS	Windows 7/8.1/10
Supported PC	PC which has a processor faster than Intel Core i5.
RAM	At least 2 GB. More than 4 GB is recommended.
Storage	More than 400 MB is required.
Network	Wired or wireless network. A wired network is recommended.

2.3. Operating PC

Supported Web Browser	Internet Explorer 11, Google Chrome
Supported PC	PC on which a supported web browser can run.
Monitor Resolution	More than 1024x768. Higher than 1280×1024 is recommended.

3. Preparation

Please prepare following devices.

- Server PC
- Operation PC

4. Install Display Power Management to server PC

If you use Windows 8.1, you need to install .NET Framework 3.5 before installing the application.

4.1. Install .NET Framework 3.5 to the server PC (only for Windows 8.1)

[1] Please execute 'Control panel' > 'Programs' > 'Programs and Features' > 'Turn Windows features on or off' as an Administrator in the control panel.

[2] Enable the check box of '.NET Framework 3.5 (includes .NET 2.0 and 3.0)', and press the 'OK' button.

4.2. Install Display Power Management to the server PC

[1] Please execute the .msi file of the application installer.

[2] Please install the application according to the message shown in the dialog box.

[3] After completion of installation, Display Power Management is registered as a Windows service. It starts automatically at the boot of Windows.

5. Using the application

5.1. Setting Time

This application runs based on the time zone of the server PC.
Please note that the time of the display is not used.

5.2. Setting of BRAVIA

1. Please change the mode to 'Pro settings mode'.
 - The method of change mode of display is written in BRAVIA B2B technical manual.
2. Please change following settings.
 - Settings > Network > Home network setup > IP Control > Authentication
Please set to 'None'.
 - Settings > Network > Home network setup > IP Control > Simple IP Control
Please set to 'enable'.
3. Please change the mode to 'Pro mode'.

5.3. Setting of Data Projector

1. Open web browser.
2. Set IP address of projector to URL. (<http://xxx.xxx.xxx>)
3. Set PJ Talk as below.
 - [Community]: SONY
 - [PORT]: 53484

6. Open power management web page

You can open the web page of power management by following URL.

URL of power management	http://[IP address of server PC]:40001 (e.g. http://192.168.100.100:40001)
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6.1. Power Management Page

The screenshot shows the Power Management web page. The top section is titled "Power Schedule" and includes an "Edit Power Schedule" button. Below it is a table with columns "Day of week", "ON", and "OFF". The "ON" column is highlighted with a red box and labeled with a red "1", and the "OFF" column is highlighted with a red box and labeled with a red "2". The table lists days from Sun to Sat, with "ON" times starting at 9:00 and "OFF" times at 18:00. The bottom section is titled "Display" and includes a "Control All Displays" button and an "Edit" button. Below it is a table with columns: "#", "Name", "IP address", "Status", "Control", and "Change Input". The "Status" column is highlighted with a red box and labeled with a red "6". The "Control" column is highlighted with a red box and labeled with a red "7". The "Change Input" column is highlighted with a red box and labeled with a red "8". The "Name" column is highlighted with a red box and labeled with a red "4". The "IP address" column is highlighted with a red box and labeled with a red "5". The "Control" column has sub-columns "ON" and "OFF", which are highlighted with a red box and labeled with a red "3". The "Change Input" column has a "Change Input" button, which is highlighted with a red box and labeled with a red "9".

Figure 1

In the power management page (Figure 1), you can see the schedule of power on/off of display (1, 2), name of display (4), IP address of display (5), current power status of display (6). Meaning of power status is explained in following chart.

Status	Description
Offline	Display is not connected to the server.
Power ON	Display is connected to the server, and the power status of the display is On.
Power OFF	Display is connected to the server, and the power status of the display is Off.

By pressing Control button (7), you can change the power status of display manually. Even after changing power status of display by this button, the power status of display can be changed by schedule. When

Change Input (8) is selected, you can change the input of selected display.

By pressing Edit Power Schedule button, the page moves into the editing-schedule mode.

By pressing Display Edit button, the page moves into the editing-display mode.

You can control power and input status by all connected displays by Control All Displays (9). HDMI1-4 is for BRAVIA, while InputA-F is for Projector.

6.1.1. Editing Schedule

When you press the Edit Power Schedule button, the schedule editing menu is shown (Figure 2).

Day of week	ON ¹	OFF ²
Sun		
Mon	9:00	18:00
Tue	9:00	18:00
Wed	9:00	18:00
Thu	9:00	18:00
Fri	9:00	18:00
Sat		

³

Figure 2

In this mode (Figure 2), you can edit the time of power-on and power-off of display by a day of week (1, 2). You can set both or one value of power-on time and power-off time. When you want not to change display power status in a day of week, please keep it to white spaces. After completion of editing the time of power-on and power-off, please press Complete button (3) to save them.

6.1.2. Editing Display

#	Name ⁴	IP address ⁵	Pre-shared key ⁶	⁷
1	Display1	192.168.0.3		Delete
2	Display2	192.168.0.4		Delete

¹ ²

Figure 3

In this mode (Figure 3), you can edit the display information to connect to the server. At first, you need to add entry of display by pressing Add Display button (1). On the entry of display, please set BRAVIA or

Projector by icon (3), display name (4) and IP address of the display (5).

When authentication setting of BRAVIA (refer to 5.2) is enabled, Please set Pre-Shared Key (6). Projector is out of scope about this authentication scheme.

If you want to add more than one entry, please press Add button again. After adding entries, please press Complete button (4) to save them. If you want to delete an entry, please press Delete button (7).

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