# **USB Clock Unit Settings** User Manual

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# Introduction

This user manual describes how to install and use "USB Clock Unit settings" Android ™ application for use with the USB Clock Unit. Please see the USB Clock Unit Operation Instructions for more details about the USB Clock Unit.

Please see the following web site for the latest information. https://www.sony.net/pro-bravia/accessories/FWA-UB100

The setting positions and UI displayed in the screenshot images of this manual may differ depending on the Android version.

Android is a trademark of Google LLC.

# **Operating Environment**

This application runs on the following displays and OSes equipped with a display.

BRAVIA Professional Displays	BZ40J, BZ35J, BZ30J, BZ40H Series BZ50L, BZ40L, BZ35L, BZ30L Series
OSes equipped with a display	Android 9.0 and higher

# **Performing the Initial Setup**

The following two steps are required for the initial setup.

- Step 1. Install the dedicated application
- Step 2. Write the current date and time to the USB Clock Unit

The procedure for each step is explained on the following pages.

#### Step 1. Install the dedicated application

Install the "USB Clock Unit settings" application with the following procedure.

- 1. Switch the display to the Pro settings mode
- 2. Use a PC, etc. to save the "USB Clock Unit settings" app (USBClockUnitSettings.apk) to the root directory of the USB memory
- 3. Insert the USB memory into the USB port of the display
- 4. Open "Install APK" under Pro settings
- 5. Select USBClockUnitSettings.apk when it appears in the list and press the Install button
- 6. Open "USB Clock Unit settings" under "Apps" in the Pro settings
- 7. Change "USB Clock Unit settings" to "Enable"

#### Supplemental:

Use the Pro Mode tool to transition to the Pro settings mode.

Please see the following web site for more details about the Pro settings mode and the Pro Mode tool.

https://pro-bravia.sony.net/guides/mode/index.html



Open "Install APK" under Pro settings

		Install APK
Install the APK file to the display using a USB drive.		USBClockUnitSettings.apk USB1(USB drive)
The installed Android app can be used on the display.		
Target segment Check here for	more information	
Corporate Education Signage Hoad Knowledge Cer	ofessional Displays	

Select USBClockUnitSettings.apk



Open "USB Clock Unit settings" under "Apps" in the Pro settings

	Pro settin	gs in process	
			USB Clock Unit settings
Set whether to enable power is turned on.	le or disable Apps in Pro mode and whether to erase internal	data when the	Enable
Select the following	settings for each App.		O Enable (Limited)
Enable	The App appears in the Apps menu.		-
Enable (Limited)	Internal data of the App is erased when the power is turned		O Disable
Disable	The App doesn't appear in the Apps menu.		
The internal data to personal information	be deleted depends on the specs of each App. Depending or n may not be erased.		
Please refer to BRAV	/IA Professional Displays Knowledge Center for details.		
Tarnet segment	Check here for more information	12002250	
	BRAVIA" Professional Displays		
EB Education Signage	Knowledge Center		

Change "USB Clock Unit settings" to "Enable"

#### Supplemental:

The following screens may appear differently when installing the app depending on the Android version you are using. In that case, select "Settings" on the dialog screen and change "Install unknown apps" under Pro Mode to "Allowed".





Change "Install unknown apps" under Pro Mode to "Allowed"

## Step 2. Write the current date and time to the USB Clock Unit

When the application installation is complete, write the date and time with the following procedure.

- 1. Insert the USB Clock Unit into the USB port of the display
- 2. Turn on the display power
- 3. Change the "Automatic day & time" for the display to "Off"
- 4. Set the display date and time
- 5. Write the display date and time to the USB Clock Unit

#### Supplemental:

The application cannot be used to directly enter the date and time of the USB Clock Unit. Set the USB Clock Unit by writing the display date and time to the USB Clock Unit. In order to do so, you must first set the display date and time.

## Change the "Automatic day & time" for the display to "Off"

From the Android Home screen, open

• Settings > System > Date & Time

and change "Automatic day & time" to "Off".

#### Supplemental:

The "Automatic day & time" applies the date and time provided when receiving a broadcast or connected to an NTP server. Turn it "Off" to disable those date and time sources. The automatic application to the "USB Clock Unit" is not affected even when the setting is turned "Off".

## Setting the display date and time

Next, set the current correct date and time in "Set date" and "Set time".

Settings	System
Wetwork & Internet Wi-Fi is turned off	T Accessibility
Accounts & Sign In No accounts	(i) About
Privacy	🕚 Date & Time
Apps	tanguage
System Parental controls, accessibility and system settings	Gboard
Remotes & Accessories	E Storage
	Home screen

Settings > System > Date & Time

Date & Time		
Automatic date & time Adjust to the time provided by your network or broadcast.		
Set date June 4, 2021		
Set time 5:40 PM		
Use 24-hour format		
Auto clock display		

"Date & Time" screen

## Write the display date and time to the USB Clock Unit

Open the "USB Clock Unit settings" under "Apps" on the Android Home screen.



"Apps" on the Home screen

The Main screen of the "USB Clock Unit settings" is displayed.

The display date and time appear on the left side, and the USB Clock Unit date and time appear on the right side.



Main screen of the "USB Clock Unit settings"

Press the "Write date & time from the display" button to write the display date and time to the USB Clock Unit. When the message "Success!" appears in the center of the screen and the date and time of the USB Clock Unit matches the display, then the initial setup task is completed. When the display power is subsequently turned on and then the boot is completed, the USB Clock Unit date and time are automatically applied to the display.

USB Clock Unit settings				
	2021-06-04 05:42 рм	Success	<b>В 100</b> 2021-06-04 05:42 рм	
	W	rite date & time from the disp	olay	
		Test		
About Version 1.0.0 / <u>Oy</u>	pen source licenses			

"Write date & time from the display" success screen

# Performing a USB Clock Unit read/write test

This function is for validating the operation of the USB Clock Unit.

Check if there are any errors in the time information read/write function of the USB Clock Unit.

Press the "Test" button to automatically run the following processes.

- 1. Writes the display date and time to the USB Clock Unit
- 2. Reads the test data for the USB Clock Unit and if the data is correct, then the test is successful
- 3. If the test is successful, it writes the display date and time to the USB Clock Unit

USB Clo	ock Unit s	ettings		
			B	
	2021-06-04		2021-06-04	
	05:42 рм		05:42 рм	
		Write date & time from the display		
		Test		
About Version 1.0.0 / <u>Or</u>	pen source licenses			

"Test" button

# **Displaying the Open Source Licenses**

Align the focus with "Open source licenses" on the Main screen and open it to display a list of the open source software used by the "USB Clock Unit settings".

Open each software package to display the software license.

USB Clo	ock Unit set	tings	
			B
	2021-06-04 05:42 рм		2021-06-04 05:42 рм
	Write	e date & time from the display	
		Test	
About Version 1.0.0 / Og	pen source licenses		

Align the focus with "Open source licenses"

absi
androidx.activity:activity
androidx.activity:activity-ktx
androidx.annotation.annotation
androidx.annotation:annotation-experimental
androidx.appcompat:appcompat
androidx.appcompat:appcompat-resources
androidx.arch.core.core-common

List of open source software used

# Precautions

## Availability of each function per mode

The availability of each function per mode is shown in the following table.

Item	Normal mode	Pro settings mode	Pro mode	Description
Display date and time setting	Available	Available	Not available	Settings > System > Date & Time
USB Clock Unit date and time setting	Available	Available	Available <sup>*1</sup>	"Write date & time from the display" button in the "USB Clock Unit settings" app
Automatic application of the USB Clock Unit date and time	Available	Available	Available <sup>*1</sup>	Automatically performed by the "USB Clock Unit settings" app

\*1: "USB Clock Unit settings" must be changed to "Enable" in the Pro settings "Apps"

#### If the USB Clock Unit is not connected

The following screen appears when the application is opened if the USB Clock Unit is not inserted into the display. In the event that this screen appears even when the USB Clock Unit is inserted, remove and reinsert the USB Clock Unit.

USB Clock Unit settings	
2021-06-04 05:43 рм	No device connected
Device not detected. Please of	check the connection.
About Version 0.1.3 / <u>Open source licenses</u>	

USB Clock Unit is not connected

## If the USB Clock Unit battery is depleted

If the power is turned off for a period of more than seven days and the battery built into the USB Clock Unit becomes depleted, the date and time of the USB Clock Unit will be reset. In such a case, perform the following procedures listed in "Performing the Initial Setup" once again.

- 1. Insert the USB Clock Unit into the USB port of the display
- 2. Turn on the display power
- 3. Set the display date and time
- 4. Write the display date and time to the USB Clock Unit

### If the USB Clock Unit is inserted after the Home Screen appears

Normally, when the display is started with the USB Clock Unit inserted after the initial setup is completed, the date and time is applied to the display after the Home Screen appears. However, there is a retry period of four minutes after the Home Screen appears. If the USB Clock Unit is inserted during that period, then the date and time will be applied to the display.

#### How to suppress the "USB drive connected" screen

The following screen appears when the USB Clock Unit is inserted into the USB port of the display. This is because the USB Clock Unit also functions as USB memory. Press the Return button, etc. to cancel it.

#### Supplemental:

This screen does not appear when the display is turned on with the USB Clock Unit inserted.



"USB drive connected" screen

If you wish to prevent the screen from appearing, place the .ignore\_dialog file in the root directory of the USB memory area of the USB Clock Unit, and it will no longer appear. The content of the .ignore\_dialog file may be empty (0 bytes).

#### Supplemental:

The first character of the .ignore\_dialog file name is a period (".") character.

You can download the .ignore\_dialog file from the following web site. $_{\circ}$ 

https://pro-bravia.sony.net/faq/140/

## Performing the "Export pro settings" operation

Please note that if the "Export pro settings" under Pro settings is performed while the USB Clock Unit is inserted in the display, the settings file will be written to the USB Clock Unit.

Even if a different USB memory unit is inserted and the "Export pro settings" operation is performed, the settings file will be written to the USB Clock Unit that is already inserted. If you wish to write the settings file to a different USB memory unit, temporarily remove the USB Clock Unit before performing the operation.