

Application MultiPresenter (for Android/for iOS)

User manual

Compatible with Ver. 1.0.0



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1. Overview of MultiPresenter

1-1. Features

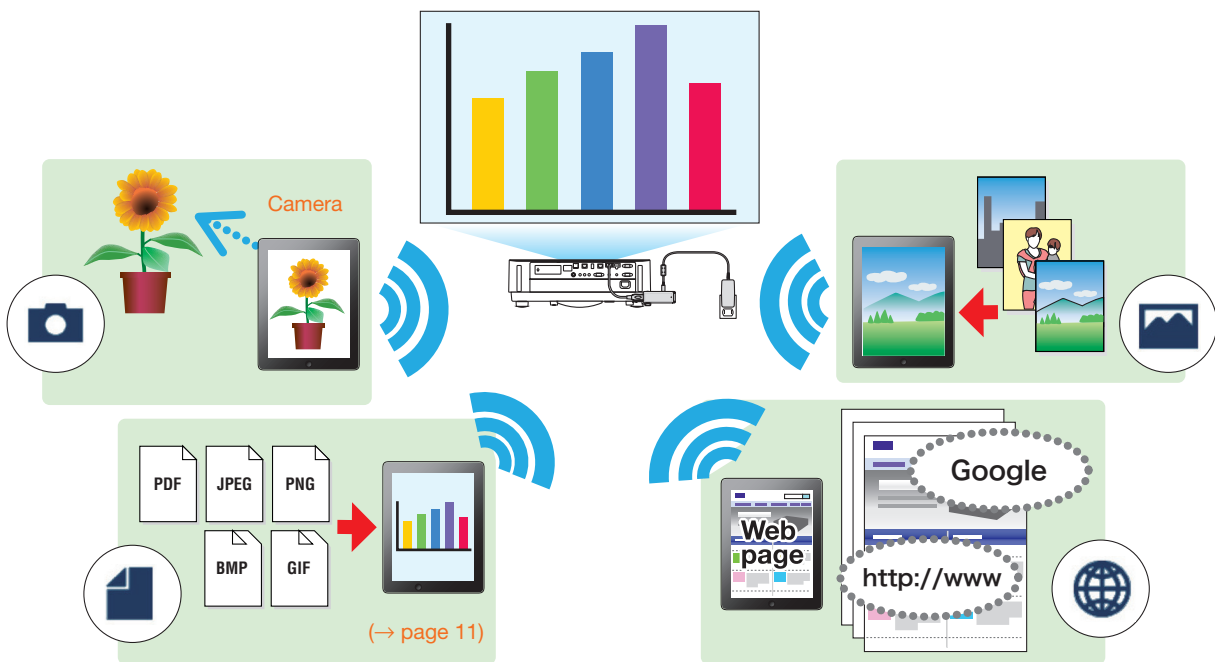
●Transmission of pictures and camera video

MultiPresenter (hereinafter referred to as “this app”) is an app that can transmit, display and project files and photos, camera images, WEB pages and so on inside an Android terminal, iPhone or iPad via a wireless LAN by connecting to our MultiPresenter Stick (DS1-MP10RX Series) using a wireless LAN.

Also, if you are using a projector that is compatible with this app, you can transmit files and photos, camera images, WEB pages and so on inside an Android terminal, iPhone or iPad via a wireless LAN without using MultiPresenter Stick.

In this manual, MultiPresenter Stick and projectors may be collectively known as “receiving devices”.

Android terminals, iPhones and iPads may also be collectively known as “terminals”.



●Mirroring display (for Android only)

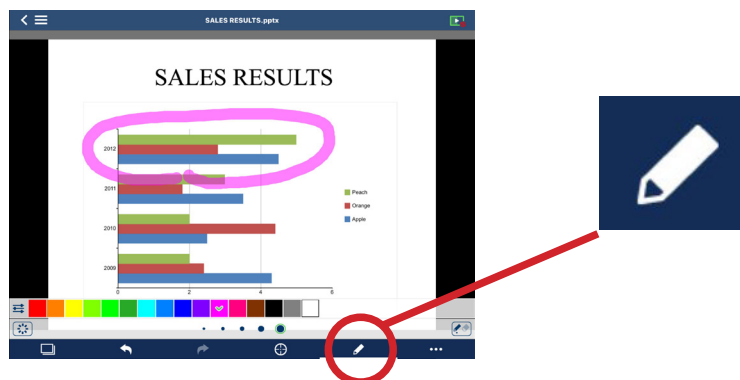
If you are using this app on an Android terminal, you can transmit the screen displayed to a receiving device. This function is called “mirroring display”.

● Efficient marker, pointer display and zoom in/zoom out functions for effective presentations

◆Marker function

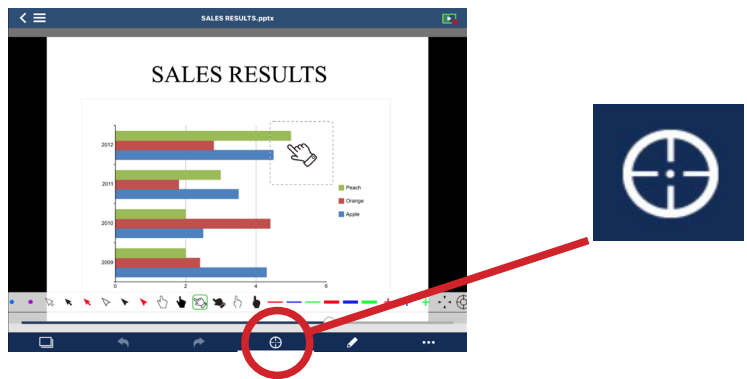
Lines and text can be written into images and documents displayed in this application using the marker function.

Images and documents with written lines and text can be saved as images for reuse during a presentation.



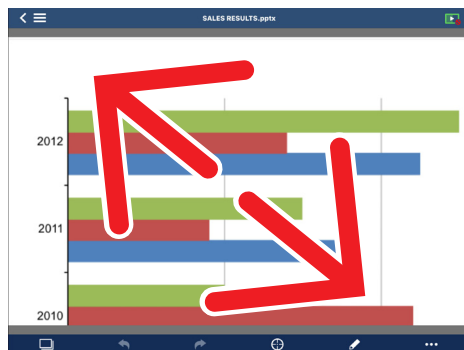
◆ Pointer display

The pointer can be displayed at a location where you want to draw attention to. You can choose shape of the pointer from several types and change the size of the pointer with the slider.



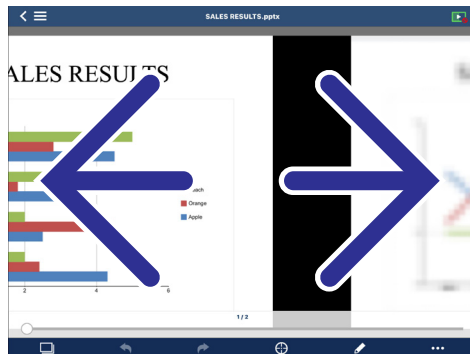
◆ Zoom in/zoom out

You can zoom in/zoom out of the screen by pinching in or pinching out.



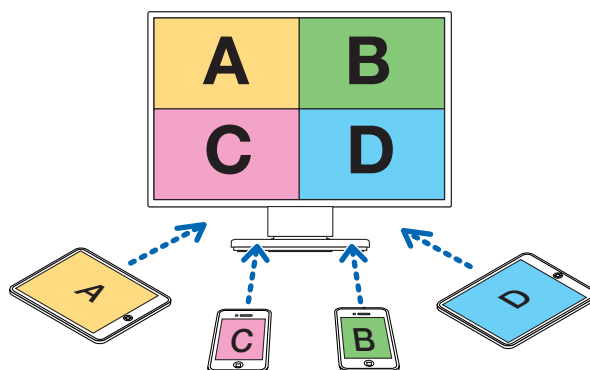
◆ Page switching

You can turn the page by flicking on the screen.



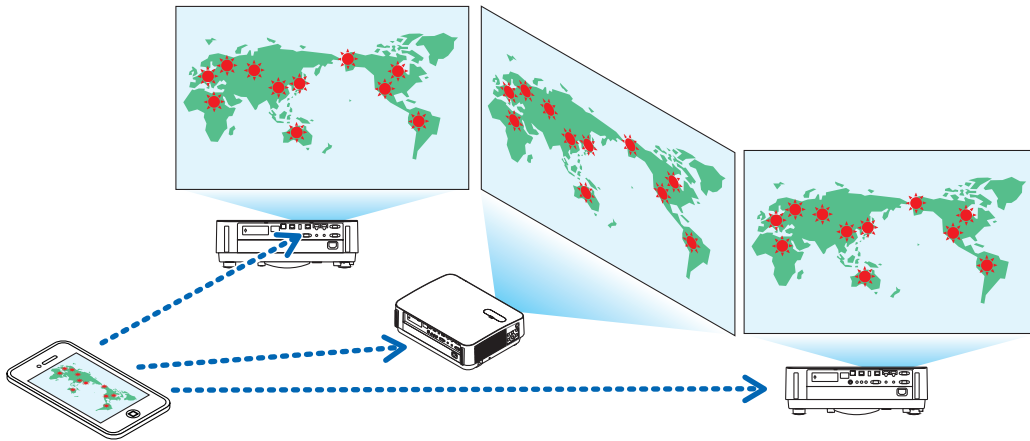
● Multi-screen display

This app can be started in multiple terminals and a multi-screen display can be shown by transmitting pictures to a single receiving device from each terminal. A maximum of 16 screens (4 rows x 4 columns) can be displayed at the same time. In this case, the receiving device needs to support "Multi-Screen Display".



● **Simultaneous Display Of Multiple Receiving Devices**

A picture can be sent to multiple receiving devices (the maximum of about 5 devices) from the app and displayed on each receiving device.



● **Using file sharing between apps**

Files displayed in an email, browser or file sharing app etc. can be shared with this app and displayed in a receiving device.

● **Smart Connection**

Supports “Smart Connection” which allows the device to be connected via a wireless LAN with minimum operations by entering a PIN code (4-digit number).

When connecting devices by Smart Connection, set the profile of the wireless LAN of the MultiPresenter Stick or projector[†] to “Smart Connection”.

*: Limited to models that support “Smart Connection”.

● **Projector control function**

When connected to a projector, you can turn off the power of the projector, switch the input terminal, control the video, adjust the volume, cut off the communications, and perform other controls from the target device screen of this app.

● **Available in 11 languages**

The menus and guide messages can be displayed in the following 11 languages.

English, Japanese, Chinese (Simplified), French, German, Italian, Spanish, Portuguese, Swedish, Russian, Korean

The screens of this app are described in English in this manual.

● **Supported multiple OS**

Besides apps for Android and iOS use, other apps for Windows and OS X use are also available.

Download the app for Windows or OS X use from the MultiPresenter website.

1-2. Operating conditions

Supporting models	MultiPresenter Stick (DS1-MP10RX series) Our projector supporting MultiPresenter
Supporting OS	Android 5.0/5.1/6.0 iOS 7/8/9

Please visit the MultiPresenter home page for more details.

2. Transfer of the file to be displayed with the installation of this application

2-1. Installation

2-1-1. For Android OS

- ① Access Google Play to download the MultiPresenter app and then install the app on a terminal.

2-1-2. For iOS

- ① Access the App Store to download the MultiPresenter app and then install the app on a terminal.

2-2. Transferring display files to a terminal

2-2-1. For Android OS

- ① Connect the terminal to the computer with a USB cable.
The device will be recognized as a USB storage.
- ② Use the computer's file management tool etc. to copy the files to the terminal.
- ③ After copying, disconnect the terminal from the computer.

2-2-2. For iOS

- ① Connect the terminal to the computer with a USB cable.
iTunes will start and synchronization will be started.
- ② Select the App and display the file sharing screen in iTunes.
- ③ Select MultiPresenter and then drag and drop the file.
- ④ Click “Sync” or “Apply”.
Synchronization will start and the files will be transferred to the terminal.
- ⑤ After transferring the files, disconnect the terminal from the computer.

2-3. Using file sharing between apps

- ① Open the file you want to display in the receiving device with a mail app or file sharing app.
- ② Carry out the “file sharing” procedure.

Caution

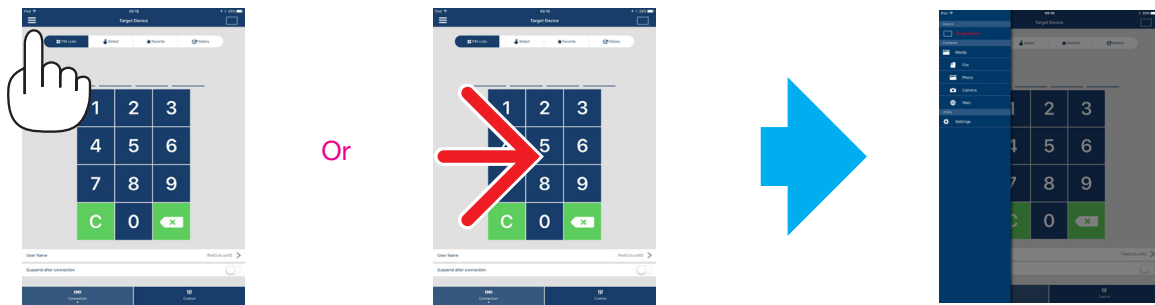
- “File Sharing” operations differ depending on the OS and version of the terminal that you are using.
- The file formats that can be shared in this app are the same as those listed in “Displayable File Formats” on page 11.
- Files in the connection list (those with the file extension “.ncp”) can also be imported using file sharing.

- ③ Select “MultiPresenter” from the list of apps displayed in the sharing window.
- ④ This app will start and a description of the shared file will appear.
Shared files displayed in this app will be saved automatically in the folder named “Files” of this app.

3. About the menu

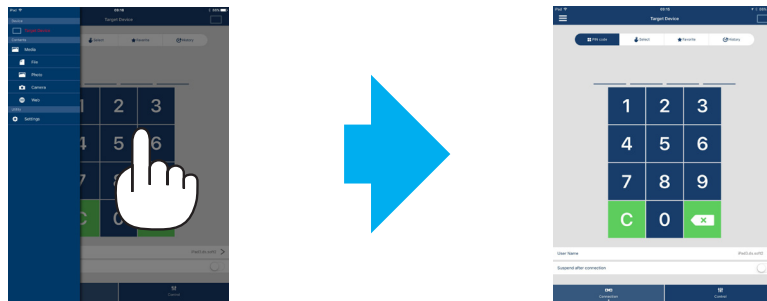
3-1. Viewing the menu

Tap the menu icon (☰) at the top left of the screen of this app.
Alternatively, you can also flick to the right from the left of the screen.



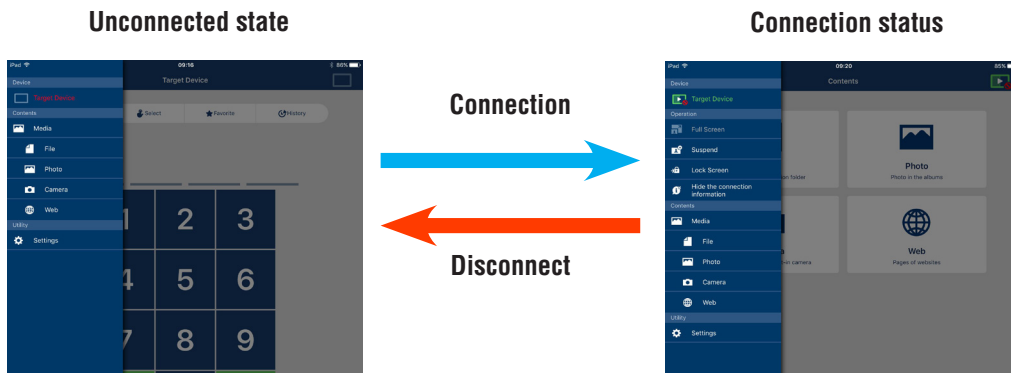
3-2. Turning off the menu

Tap outside the menu.



3-3. Differences in the menu according to the communication connection status

The menu of this app changes as follows depending on the connection status with the receiving device.



Caution

- When the app and receiving device are connected one-to-one, "Full Screen/Split Screen" cannot be selected.
- When another MultiPresenter user selects "Lock Screen" or sets the MultiPresenter mode to [MANAGED] under the WEB server settings of the MultiPresenter Stick, "Full Screen/Split Screen", "Lock Screen/Unlock Screen", and "Hide the connection information/Show the connection information" cannot be selected.
- When a receiving device that does not support "Multi-Screen Display" is connected, or when multiple receiving devices are connected, "Full Screen/Split Screen", "Suspend/Resume", and "Hide the connection information/Show the connection information" do not appear.

4. Connecting the MultiPresenter Stick or projector

4-1. Using Smart Connection

Caution

- The receiving device needs to support smart connection.

4-1-1. Connecting with the MultiPresenter Stick

- Connect the MultiPresenter Stick to the display or projector and turn on the power to display the Start-up screen.

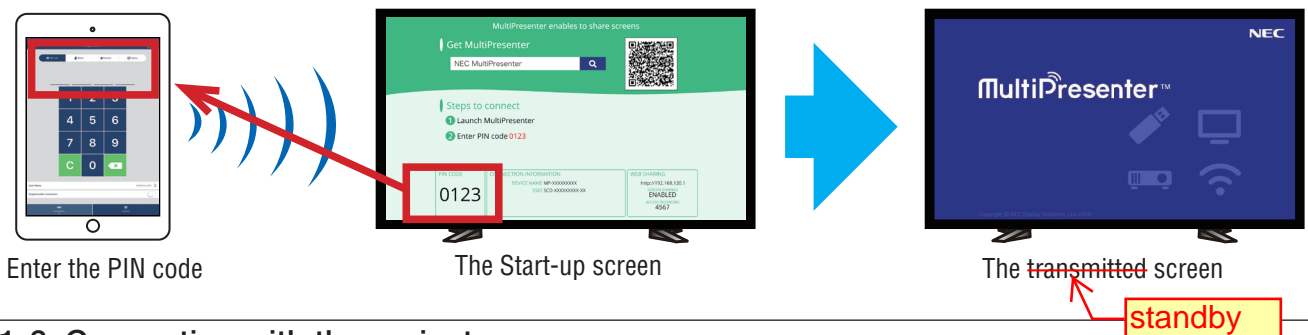
For step-by-step instructions, refer to the Quick Setup Guide of the MultiPresenter Stick.

- Start the app.

The target device screen will appear.

- Enter the PIN code displayed in the Start screen in the target device screen.

When the connection with MultiPresenter Stick is completed, the wait screen of this app will appear from the display or projector.



4-1-2. Connecting with the projector

- Connect the wireless LAN unit to the projector and turn on the power.
- Display the NETWORK SETTING either on the onscreen menu of the projector or the HTTP server, and then change the wireless LAN profile to “Smart Connection”.
- Switch the input terminal of the projector to “LAN”.
The PIN code will be displayed on the projection screen.
The PIN code will also appeared on the [INFORMATION] screen of the on-screen menu.
- Start the app.
The target device screen will appear.
- Enter the PIN code displayed in the Projection screen in the target device screen.
When the connection with the projector is completed, the wait screen of this app will be projected from the projector.

Important

If you are using an iOS terminal, you may need to configure the Wi-Fi settings manually in order to connect to a receiving device (MultiPresenter Stick or projector etc.) via a wireless LAN.

●Connecting procedure

- Tap “MultiPresenter” in the home screen.
This app will start and the target device screen will appear.
- Enter the PIN code displayed in the Start screen or the on-screen menu of the receiving device in the target device screen.
- Press the Home button of the terminal to display the Home screen.
- Select “Settings” → “Wi-Fi”.
- Select the SSID displayed in the Start screen from the list of networks displayed in the screen of the terminal.
- After the password screen appears in the terminal, enter the security key displayed in the Start screen and tap “Connect”.
- Upon connecting with the selected SSID, press the Home button to display the Home screen and tap “MultiPresenter”.
The app will connect to the receiving device and the wait screen of this app will appear in the receiving device.

4-2. Using SIMPLE ACCESS POINT or INFRASTRUCTURE

4-2-1. Connecting with the MultiPresenter Stick

① Connect the MultiPresenter Stick to the display or projector and turn on the power to display the Start-up screen.

For step-by-step instructions, refer to the Quick Setup Guide of the MultiPresenter Stick.

② Display the settings menu of the MultiPresenter Stick and change the profile of the wireless LAN.

For step-by-step instructions, refer to the Important Information of the MultiPresenter Stick.

③ Connect the terminal you are using in accordance with the “Connection information” displayed in the Start screen.

④ Start the app.

The target device screen will appear.

⑤ When the PIN code has been set in the infrastructure:

Enter the PIN code displayed in the Start screen in the target device screen.

When the PIN code has not been set in the infrastructure, or for simple access points:

Select “Speed” and select the receiving device from the list.

When the connection with MultiPresenter Stick is completed, the wait screen of this app will appear from the display or projector.

standby

4-2-2. Connecting with the projector

① Connect the wireless LAN unit or LAN cable to the projector and turn on the power.

② Display the network settings screen in the HTTP server or on-screen menu of the projector and change the profile of the wired or wireless LAN.

Refer to the user’s manual of the projector for the procedure.

③ Connect the terminal you are using in accordance with the network settings displayed in the Information screen of the projector’s on-screen menu.

④ Start the app.

The target device screen will appear.

⑤ Select “Speed” and select the receiving device from the list.






When the connection with the projector is completed, the wait screen of this app will be projected from the projector.

standby

5. Detailed description of the menus

5-1. Status display

An icon to indicate the status of this app will appear at the top right of the screen.

Display of icons	Status
	Indicates that a receiving device such as the MultiPresenter Stick or projector etc. has not been connected yet.
	Indicates that a receiving device has been connected. Different colors on the left and right of the icon indicate that “Multi-Screen Display” is supported.  Indicates that “Full Screen” and “Hide the connection information” cannot be selected.  Indicates the Lock Screen status.
	Indicates that the transmission of pictures by the app is stopped temporarily (Suspend).




Indicates that multiple receiving devices are connected at the same time. Or that a receiving device that does not support “Multi-Screen Display” is connected.


5-2. Target Device

Screen to connect this app to MultiPresenter Stick or a projector.

There are 2 tabs - “Connection” and “Control” - at the bottom of the screen.

The various buttons under the “Control” tab are enabled when this app is connected to a projector. Only the “Update 

[Connection] tab

PIN code	Enter the PIN code (4-digit number) displayed on the receiving device.
Select	<p>Displays a list of the receiving devices found on the same network or those registered in the connection list. Click the name of the device to connect.</p> <ul style="list-style-type: none"> When you click “Multiple”, a check box will appear to the left of the receiving device list. Click  to update the list. When a device is connected, a ☆ mark will appear on the right side of the device name. When the ☆ mark is clicked, it will turn yellow and the device name will be registered in “Favorite”. Click “Search by IP address” to display the input screen. Enter the IP address of the device you want to connect in the “XXX.XXX.XXX.XXX” format. Refer to Page 12 for the “Edit Connection List”.
Favorite	A list of the devices whose ☆ mark has turned yellow will be displayed. When the ☆ mark is clicked and turns from yellow to white, the device name will be deleted from “Favorite”.
History	A list of device names that have been connected in the past will be displayed (maximum of 10 names). The names will appear in descending order with the device that was last connected on top.
User Name	Click User Name to display the edit screen for editing the User Name. Use 0-32 characters for the User Name.
Suspend after connection	Setting on whether to Suspend after connection to a receiving device or not. (Initial value is off)
Disconnect All	Appears when connected to a receiving device and when selected, communications will be disconnected.

[Control] tab

Picture	Mute (Not display picture) or freeze (still) the display.
Sound	Mute or play back the sound.
Volume	Move the slider bar to adjust the volume.
Source	The source terminal can be displayed and switched. Only 3 languages can be displayed - English, Japanese and Chinese (simplified). For all other languages, the display will appear in English.
Power off	Turns off the power of the projector to switch to the standby mode.

Disconnect	Disconnects the communications with the receiving device.
Browse Server	Displays the WEB server or HTTP server of the receiving device connected in the network.

5-3. Full Screen / Split Screen

When **transmitting** pictures from multiple MultiPresenters to a single receiving device, select whether to display the pictures that you **transmitted** in a Full Screen or split screen.

Caution

“Full Screen/Split Screen” cannot be selected in the following cases.

- When the receiving device connected does not support “Multi-Screen Display”.
- When “Lock Screen” is selected for the MultiPresenter of another user.
- When the app is connected to one or multiple receiving devices.
- When the MultiPresenter is set to the [MANAGED] mode under the “SETTINGS” of the **WEB** server of the MultiPresenter Stick.

5-4. Suspend / Resume

Select either to stop temporarily (Suspend) or to restart transmission (Resume).

Caution

“Suspend/Resume” cannot be selected in the following cases.

- When the receiving device connected does not support “Multi-Screen Display”.
- When the app is connected to multiple receiving devices.

5-5. Lock Screen / Unlock Screen

Select **either** to lock (prohibit) or unlock (**permit operation**) to the receiving device from the MultiPresenter for another user.

Caution

“Lock Screen/Unlock Screen” cannot be selected in the following cases.

- When the picture being **transmitted** from the app is not displayed in Full Screen.
- When “Lock Screen” is selected for the MultiPresenter of another user.
- When the MultiPresenter is set to the [MANAGED] mode under the “SETTINGS” of the **WEB** server of the MultiPresenter Stick.

5-6. Hide the connection information / Show the connection information





Select whether to display or hide the connection information (PIN code, SSID, security key, device name, WEB server URL) on the screen of the receiving device.

Caution

“Hide the connection information/Show the connection information” cannot be selected in the following cases.

- When “Lock Screen” is selected for the MultiPresenter of another user.
- When the MultiPresenter is set to the [MANAGED] mode under the “SETTINGS” of the **WEB** server of the MultiPresenter Stick.
- The connection information may not appear depending on the receiving device.

5-7. Media

Mirroring display (for Android only)	Transmits the screen displayed to a receiving device.
 File	Selects a file and transmits its display image to a receiving device. The marker function, pointer display and zoom in/zoom out function can be used. See the next page for the list of compatible file formats.
 Photo	Selects a photo and transmits its display image to a receiving device. The marker function, pointer display and zoom in/zoom out function can be used.
 Camera	Transmits an image taken with the built-in camera to a receiving device. The marker function, pointer display and zoom in/zoom out function can be used. These functions cannot be used when the camera is not connected to a receiving device.
 Web	Transmits an image displayed in the WEB browser to a receiving device.

●File formats that can be displayed

Android	Document file	Adobe Acrobat (.pdf)
	Picture file	JPEG format (.jpg/.jpeg), PNG format (.png), GIF format (.gif), Bitmap format (.bmp)
iOS	Document file	Adobe Acrobat (.pdf), Microsoft Word (.docx)(Note 1), Microsoft Excel (.xlsx)(Note 1), Microsoft PowerPoint (.pptx)(Note 2), iWork - Keynote (.key)(Note 2), iWork - Numbers (.numbers)
	Picture file	JPEG format (.jpg/.jpeg), PNG format (.png), GIF format (.gif), Bitmap format (.bmp)

Note 1: Image will be displayed in a linked portrait orientation like rolled paper.

Note 2: Page settings need to be configured if page cannot be switched correctly.

Other restrictions:

- Image may not appear normal in order to perform OS standard display.
- Files that are password-protected cannot be displayed.
- Video in pictures with animation will not be played and only the first frame of the video will be shown.
- The maximum number of characters in a filename follows the specifications of the OS.
- When a PDF file with an old format is selected, this app may not work normally.

5-8. Settings

Configure the settings of the app.

4 menus are available - "Picture", "Search", "Standby Image" and "About".

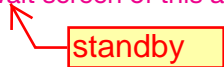
[Picture] tab

Picture Quality	Sets the picture quality of the picture to transmit . Transmission speed increases as the picture quality is lowered.
Enlarge the transmitting image to the output resolution	Sets whether to expand the resolution of the picture to transmit according to the output resolution of the receiving device. (Initial value is ON)

[Search] tab

Search the local network by the broadcast	Setting on whether to search the local network using a broadcast or not when inspecting a receiving device. (Initial value is ON)
Search by the connection list	Setting on whether to search by the connection list when searching for receiving devices or not. (Initial value is ON)

[Standby Image]

Default	Select the picture displayed in the wait screen of this app. (Initial value is Default) 
Blue	
Black	
User's Media	

[About] tab

Version	The version of the software will be displayed under “MultiPresenter”.
Licenses	Displays the Licenses screen.
Tutorial	Displays the introduction screen of this app.

6. Edit Connection List

When using the connection list, multiple receiving devices can be grouped for management purposes. For example, when installing receiving devices in each meeting room or classroom and so on, it is convenient to search receiving devices quickly if the IP address of each receiving device is registered in the connection list in advance. By the registration, the app automatically searches devices. You can also narrow down the receiving devices that you want to find in a group.

Important

- It is not possible to create a connection list in this app. First, create and export a connection list using the MultiPresenter application (for Windows/OS X use).

6-1. Import

Import	Imports the file of the connection list. Only files with the file extension “.ncp” can be imported. In addition, files of the connection list can also be imported using the file sharing between apps. (See → 5 page)
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6-2. Select Groups for Search

Group list	Adds check marks to the groups subject to the search.
Uncheck All	Removes all check marks.
Check All	Adds check marks to all groups.

Caution

- The connection list of the app is not compatible with the Connection Target List of Image Express Utility 2.0 and Image Express Utility Lite.

7. Caution and restrictions

- In the case of iOS, communications with the receiving device will be disconnected when this app migrates to the background. Therefore, the security key of the receiving device will be changed automatically and it may not be possible to re-connect normally if this state continues for a while.

In this case, reset the password of the receiving device in the Wi-Fi settings of the terminal.

- For iOS, you may not be able to connect to the network even if you select the correct network and enter the correct password when configuring the Wi-Fi settings. In this case, tap the information button (i) to the right of the network name and follow the instructions in “Delete this network setting”. After that, re-configure the Wi-Fi settings again.
- When you are connected to a receiving device via a simple access point or smart connection, the WEB sharing screen will appear when you select “Media” → “Web” in the application.
- Depending on the Android terminal, there may be occasions when the smart connection does not work properly.

If this is the case, configure the Wi-Fi settings manually, display the [Select +] tab of the target device screen, and select the receiving device.

8. Trademarks

- MultiPresenter is a trademark or registered trademark of NEC Display Solutions, Ltd. in Japan and other countries.
- Microsoft, Windows, Excel and PowerPoint are registered trademarks or trademarks of Microsoft Corporation in the US and other countries.
- Android and Google Play are registered trademarks or trademarks of Google Inc.
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- iOS is a trademark or registered trademark of Cisco in the United States and other countries, which is used under license.
- App Store is a service mark of Apple Inc.
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