

## Streaming Setting Transfer

[Help](#)

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# Overview

When you wish to stream content from a camera using RTMP/RTMPS, you need to enter the URL of an RTMP server and a stream channel name into the camera. These characters strings are typically quite long, making them susceptible to input error and requiring time to enter via the operation panel of the camera. Streaming Setting Transfer is provided as a means to reduce this time and effort when configuring the camera.

Streaming Setting Transfer is a tool that allows you to enter the URL of the RTMP server and the stream channel name (collectively referred to as the "RTMP/RTMPS streaming settings") using a computer, saving them onto an SD card for transfer to the camera. The RTMP/RTMPS streaming settings can be transferred to the camera in encrypted form based on the public key output from the camera.

# Startup

Streaming Setting Transfer is distributed as a zip format file. There is no installer. The zip file can be stored in any folder on your computer and then decompressed as needed.

## On Windows

Decompress the zip file and then double-click StreamingSettingTransfer.exe to start Streaming Setting Transfer.

The [END USER LICENSE AGREEMENT] screen appears when started for the first time. For details, see “When starting for the first time” (page 5).

## On macOS

Decompress the zip file and move StreamingSettingTransfer.app to the [Applications] folder. This operation requires administrator privileges.

To start for the first time, press and hold the Control key and click StreamingSettingTransfer.app in the [Applications] folder and click [Open] in the displayed dialog. Subsequently, you can double-click StreamingSettingTransfer.app to start the application.

The [END USER LICENSE AGREEMENT] screen appears when started for the first time. For details, see “When starting for the first time” (page 5).

### Note

To start Streaming Setting Transfer without administrator privileges, you can also place StreamingSettingTransfer.app in any folder, instead of putting it in the [Applications] folder, and then start the application. In this case, the [END USER LICENSE AGREEMENT] screen will appear each time the application starts.

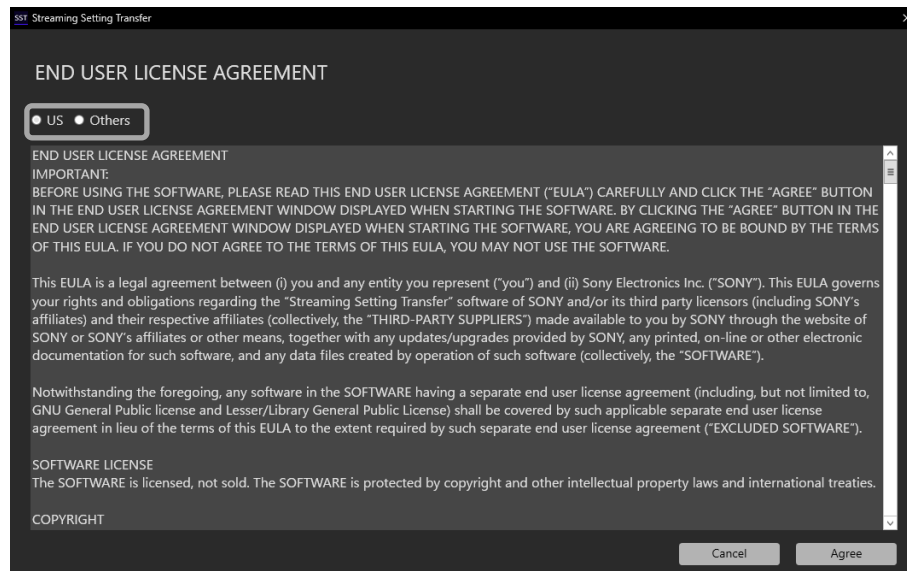
## When starting for the first time

When Streaming Setting Transfer is started for the first time, the [END USER LICENSE AGREEMENT] screen appears. Use the following procedure to proceed.

1. Select the region of use to display the corresponding END USER LICENSE AGREEMENT text.

For use in the U.S.A: Select [US].

For use in other countries: Select [Others].



2. Read the contents of the END USER LICENSE AGREEMENT, and then click [Agree]. Streaming Setting Transfer starts.

### Note

On macOS, when Streaming Setting Transfer accesses an SD card for the first time, a Removable Media access permissions dialog may appear. Allow access to continue. If access is denied, you will need to delete StreamingSettingTransfer.app from your computer and extract StreamingSettingTransfer.app from the zip file again.

# Name and Function of Parts


The screenshot shows a window titled "Streaming Setting Transfer" with a sub-header "RTMP/RTMPS Streaming Setting". It contains several input fields and a button, each labeled with a number in parentheses:

- (1) Points to the "Public Key \*" dropdown menu.
- (2) Points to the "Preset No. In Camera \*" input field.
- (3) Points to the "Display Name \*" input field, which contains the text "SETTING".
- (4) Points to the "Destinatoin URL \*" input field, which has a placeholder text: "Please input the 'Streaming URL' provided by the streaming service vendor by using 'Copy & Paste' from the Web page of the vendor. (Of course, direct input can be used)".
- (5) Points to the "Stream Name" input field, which has a placeholder text: "Please input the 'Streaming Name' provided by the streaming service vendor by using 'Copy & Paste' from the Web page of the vendor. (Of course, direct input can be used)".
- (6) Points to the "Create File" button.
- (7) Points to the window's title bar, specifically the question mark icon.

Below the "Create File" button, there is a note: "Create File to same folder of 'Public Key'" and a legend: "?: Mandatory field".

## (1) [Public Key]

Select the public key used for generating the RTMP/RTMPS streaming settings.

The public key files (".pub" file name extension) on the computer drive or volume root directory are detected and displayed in the drop-down list. Click  to start the detection of public key files manually in order to update the drop-down list. All key files on the computer drive or a volume root directory are displayed in the drop-down list. Select the public key file on the SD card drive.

A file path cannot be entered in the drop-down list.

## (2) [Preset No. In Camera]

Specify a preset number for the camera. Enter a 1 or 2-digit number.

## (3) [Display Name]

Enter a name for the RTMP/RTMPS streaming settings.

Up to 16 numeric characters, alphabetic characters (lower case and upper case), and following symbols can be entered.

! # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ ] ~

## (4) [Destination URL]

Enter the URL for the RTMP/RTMPS streaming server. You can also enter the URL using copy-and-paste.

Up to 255 numeric characters, alphabetic characters (lower case and upper case), and following symbols can be entered.


! # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ ] \_ ~

### (5) [Stream Name]

Enter the stream key for RTMP/RTMPS streaming. You can also enter the key using copy-and-paste.

Up to 255 numeric characters, alphabetic characters (lower case and upper case), and following symbols can be entered.

! # \$ % & ' ( ) \* + , - . / : ; < = > ? @ [ ] \_ ~

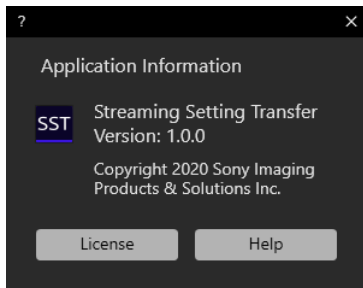
The entered characters are replaced with "●" for display. Click  to show the entered characters for 20 seconds.

### (6) [Create File] button

Click the button to generate the RTMP/RTMPS streaming settings and save the resulting file in the same folder as the public key file.

### (7) [?] button (Windows only)

Displays the information dialog of the application.

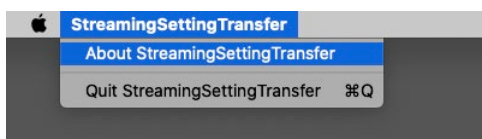


[License] button: Displays the license information for the application.

[Help] button: Displays this Help guide.

### Note

To display the information dialog of the application on macOS, select [About StreamingSettingTransfer] from the [StreamingSettingTransfer] menu.



**If the number of entered characters exceeds the maximum**

The character strings actually entered in the [Display Name], [Destination URL], and [Stream Name] fields cannot exceed the maximum number of characters. If characters are pasted into a field such that the maximum number of characters would be exceeded, the resulting character string will vary with the operating system.

OS	[Display Name] entry example	If "abc" is pasted at position 5	If "ab" is pasted at position 5
Windows	12345678901234 (14 characters, 2 possible characters	1234 <u>ab</u> 5678901234 (first 2 characters only are retained)	1234 <u>ab</u> 5678901234
macOS	remaining)	12345678901234 (all pasted characters are ignored)	1234 <u>ab</u> 5678901234



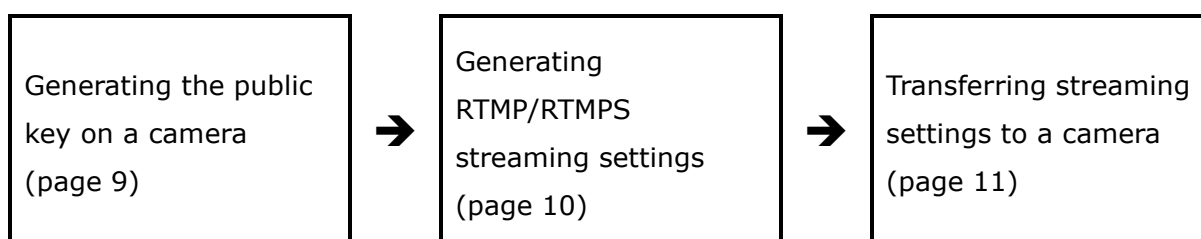
# Usage

Use the following procedures to generate RTMP/RTMPS streaming settings data using Streaming Setting Transfer and to transfer the settings to a camera.

## Note

For details about the required settings for RTMP/RTMPS streaming, refer to the Operating Instructions of the camera.

## Process flow





## Generating the public key on a camera

Generate a public key on the camera to encrypt the configuration data that you want to transfer to the camera. For details, refer to the operating instructions for the camera. Prepare an SDXC memory card formatted in exFAT on which to save the encrypted public key.

### Procedure for PXW-Z280/Z190 (software version 4.0 and later)

1. Insert an SD card into the camera.
2. Select [Network Public Key] > [Key Export] from the [File] menu, and save the generated public key to the SD card.
3. Eject the SD card.

## Generating RTMP/RTMPS streaming settings

1. Connect the SD card containing the public key to your computer.
2. Start the Streaming Setting Transfer tool.
3. Select the public key from the camera in [Public Key].  
Select the public key saved on the SD card from the drop-down list. If there is nothing displayed in the drop-down list or the public key cannot be found, check that the SD card is connected to the computer. Click  to update the drop-down list.
4. Enter the preset number of the camera to use for RTMP/RTMPS streaming settings in [Preset No. In Camera].  
The number of RTMP/RTMPS streaming settings that can be stored vary with the camera. The number entered here specifies the preset setting to which to transfer the RTMP/RTMPS streaming settings.
5. Enter a name for the RTMP/RTMPS streaming settings in [Display Name].
6. Enter the URL of the RTMP server in [Destination URL].
7. Enter the stream key for streaming in [Stream Name].  
The entered characters are replaced with "●" on the screen. Click  to show the actual character string for 20 seconds only.

### Note

Depending on the streaming service vendor, the stream key for streaming may be included in the URL of the RTMP server. In this case, note that when the URL containing the stream key is entered in the [Destination URL] field, the stream key is not replaced by "●" characters and will be visible on the screen. If you can distinguish between the URL and the stream key, it is recommended that you enter them in [Destination URL] and [Stream Name], respectively.

8. Click [Create File].  
The RTMP/RTMPS streaming settings are saved to the same SD card that contains the public key.

The name of the output file and storage location are described below.

File name	Public key file name provided by the camera (without the extension) + "_settingX.rtmp" ("X" is the number specified in [Preset No. In Camera]. If a 2-digit number starting with 0 is specified, only the second digit is reflected in the value of X.)
Storage location	Same folder as the public key file specified in [Public Key]

## Transferring RTMP/RTMPS streaming settings to a camera

Transfer the RTMP/RTMPS streaming settings to a camera. For details, refer to the operating instructions for the camera.

### **Procedure for PXW-Z280/Z190 (software version 4.0 and later)**

1. Insert the SD card containing the RTMP/RTMPS streaming settings into the camera.
2. Select [RTMP/RTMPS] > [RTMP Settings Select] in the [Network] menu, and select one of [RTMP Settings1] to [RTMP Settings3].
3. Execute [Load Utility SD/MS].