

# ***KSuse Sender***

v 2.3.4

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Use only English letters, numbers, point, hyphens, underscores in the names of paths, folders, files!

## System requirements

Compatibility: Windows 10 x64.

Required software:

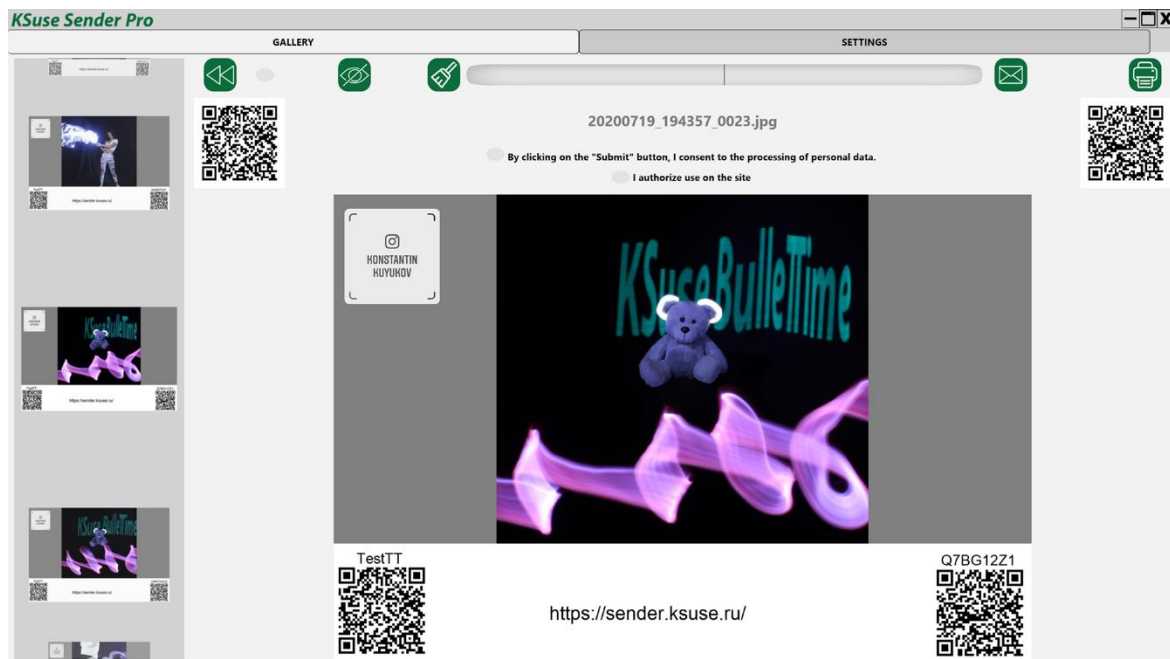
1. .NET Framework 4.8. <https://dotnet.microsoft.com/download/dotnet-framework/thank-you/net48-web-installer>
2. Codec x264. Recommended K-Lite Codec Pack Mega. [https://codecguide.com/download\\_kl.htm](https://codecguide.com/download_kl.htm)

Additional software (may need to be installed):

1. Microsoft Visual C ++ 2015 Update 3 redistributable component (both x86 and x64 versions): <https://www.microsoft.com/en-us/download/details.aspx?id=53587>

## Description of the program interface

### Gallery



Photos and videos are added to the gallery immediately after the files appear in the monitored folders.

When you click on the image in the upper slider, it opens the corresponding video in the viewing block.

An email address is entered in the field (focus is always on it, there is no need to place the cursor in the field for keyboard input).

A button with a broom icon is used to clear the field with the mail address.

**Only files created or modified in the last 12 hours (by default) are displayed in the gallery!**



- enable / disable automatic rewind to the last photo




- open the last photo



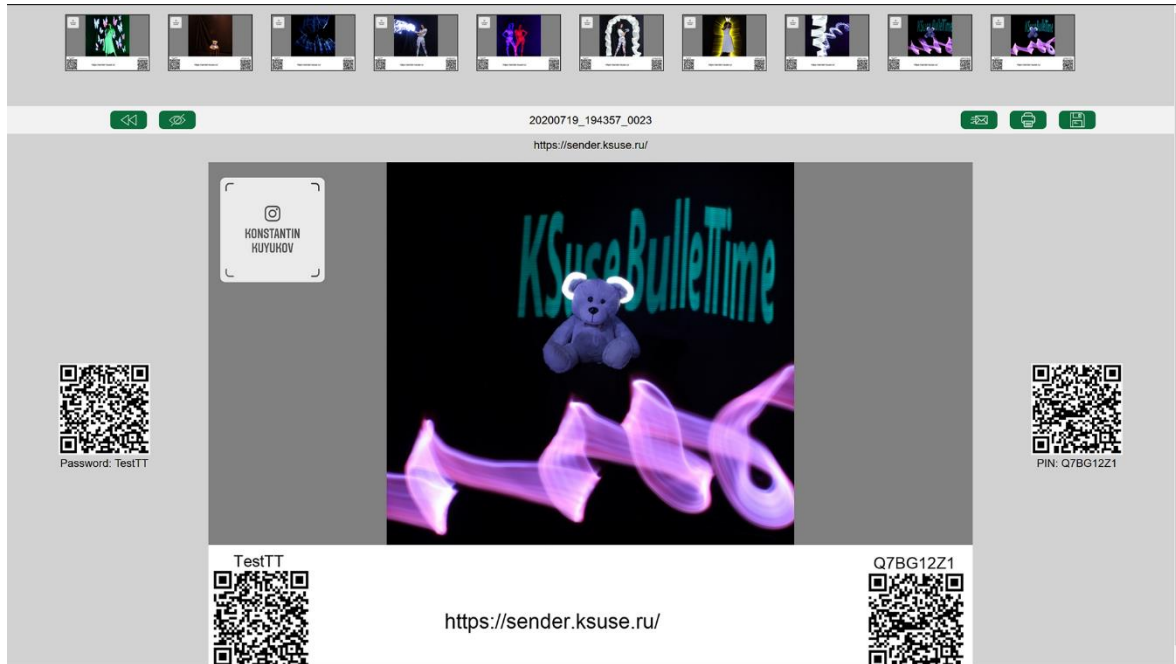
- clear address

Ctrl + D - delete the video. The video is hidden from the gallery and all web pages. Emails with this video cannot be sent.

Ctrl + H or  - hide the video. The video is hidden from the gallery and all web pages. Emails with this video can be sent.

**Attention! The program does not control the printer settings. It sends the photo to print to the printer set in Windows by the default printer, stretching the image to the paper size set in the printer properties. Printing is possible only if there is an active preset.**

The web version of the gallery is also available.



On any device connected to the same network as the computer with the KSuse Sender software, you must open any browser and enter the IP address of the computer with the KSuse Sender software in the address bar.

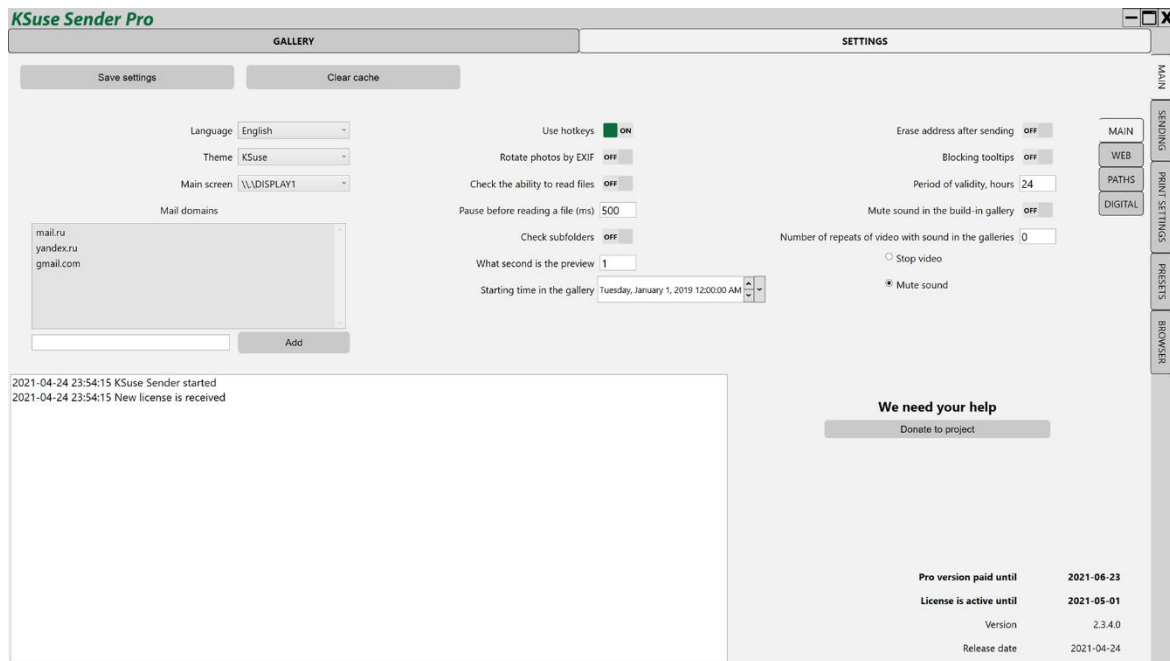
The web gallery and carousel addresses are displayed in the “Settings – Main settings”.

For the web gallery to work correctly, you must allow access via the TCP protocol for port 80 in the firewall, or disable the firewall. It is also necessary to turn off any other programs that may use port 80 before starting KSuse Sender.

## General settings

Basic settings: [https://www.youtube.com/watch?v=mkbSh\\_n8guk](https://www.youtube.com/watch?v=mkbSh_n8guk)

**Be sure to click "Save Settings" when changing values in this window before switching to another window!**



“Language” - Select the interface language.

“Theme” - Select the color palette of the interface.

In the "What second is the preview" option the number of second of the frame is entered from which it is used as a preview.

"Main screen" - allows you to move the program window to another monitor.

You can further limit the files displayed in the gallery by setting the start date and time.

The gallery also has another limitation - the number of hours from the current date to the date of creation or modification of the file (the maximum value of them). This quantity can be changed in the field “Period of validity, hours”. The default value is 12. Videos older than the specified number of hours will not be displayed in galleries.

You can pause between detecting photos and adding them to the processing queue, which will prevent the addition of temporary files.

“Erase the address after sending” - automatic cleaning of the field with the address immediately after sending.

"Blocking tooltips" - disable autocomplete.

The option "Check the ability to read files" provides additional preliminary reading of files to check the readability. It is recommended to be used only if you have errors reading files.

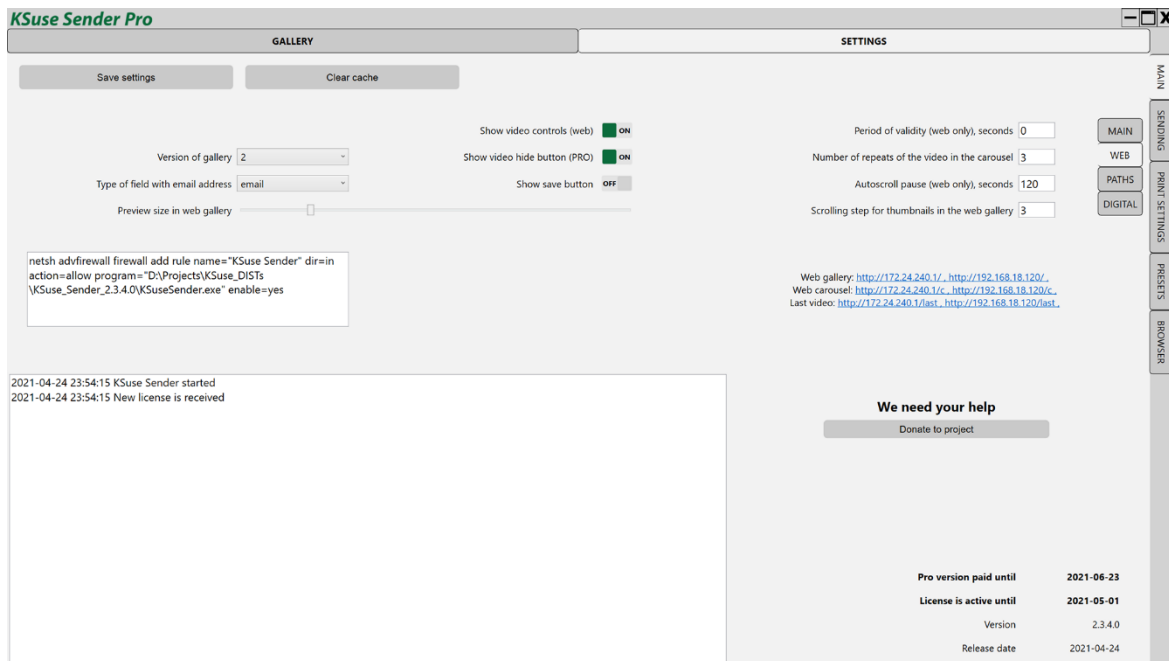
The specified domains are displayed as buttons after entering the @ symbol in the recipient address field.

To remove a domain from the list, select it and press the Delete key.

"Mute sound in the build-in gallery" - Mute / unmute the sound in the built-in gallery.

"Number of repeats of video with sound in the galleries" - After selecting the video, the specified number of times is played, then the playback is stopped or the sound is turned off. 0 - unlimited.





In this window, you can see the links that open the web gallery and web carousel.

"Period of validity (web), seconds" - Videos older than the specified number of seconds will not be displayed on web pages. A value of 0 disables automatic hiding.

"Version of gallery" - a choice of two layout options for the web gallery.

For the field types "email" and "text", a different virtual keyboard is displayed. Validation for compliance with the format is used for the field with the type "email", but there is no autocomplete on iOS devices.

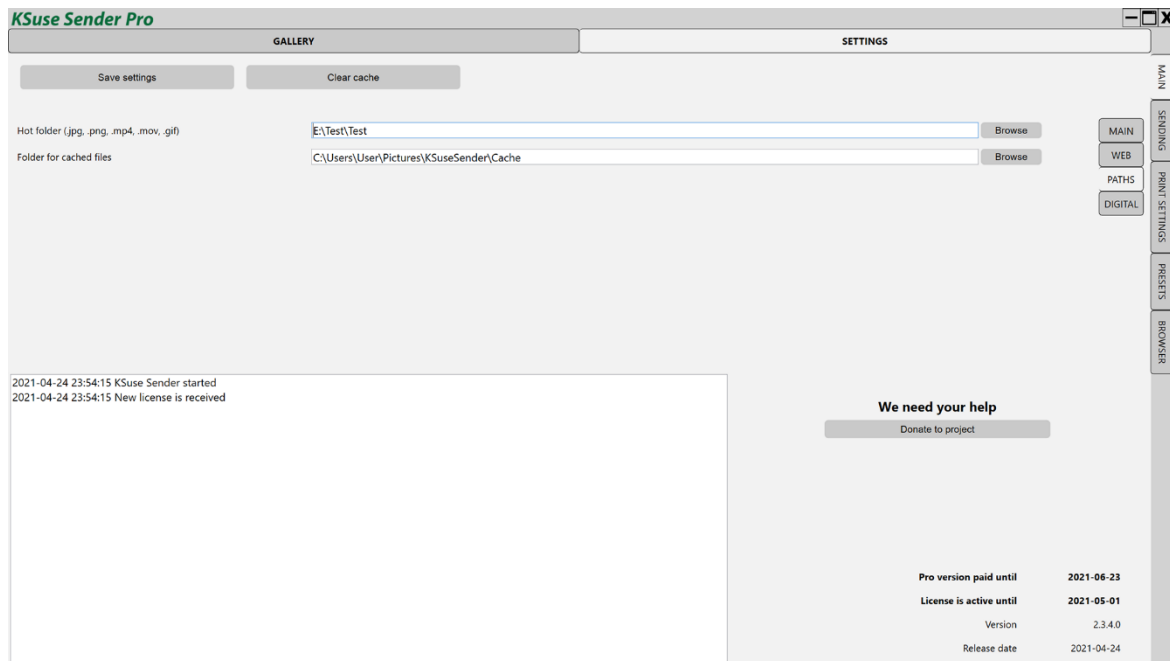
"Rotate Photos by EXIF" automatically rotates the photos. It is recommended that you turn it off to avoid memory leaks in the web gallery if you are not using photos taken directly from the camera.

"Show video controls (web)" - displaying controls on the pages "last video" and "carousel".

The number of thumbnails in a slider on a web page depends on the screen resolution of the device and the width of the thumbnails. Thus, it is not known in advance how many of them will be displayed in the slider. With the help of the "Scrolling step of the preview in the web gallery" field, it is possible to set the most suitable value for the slider shift when you press the scroll buttons.

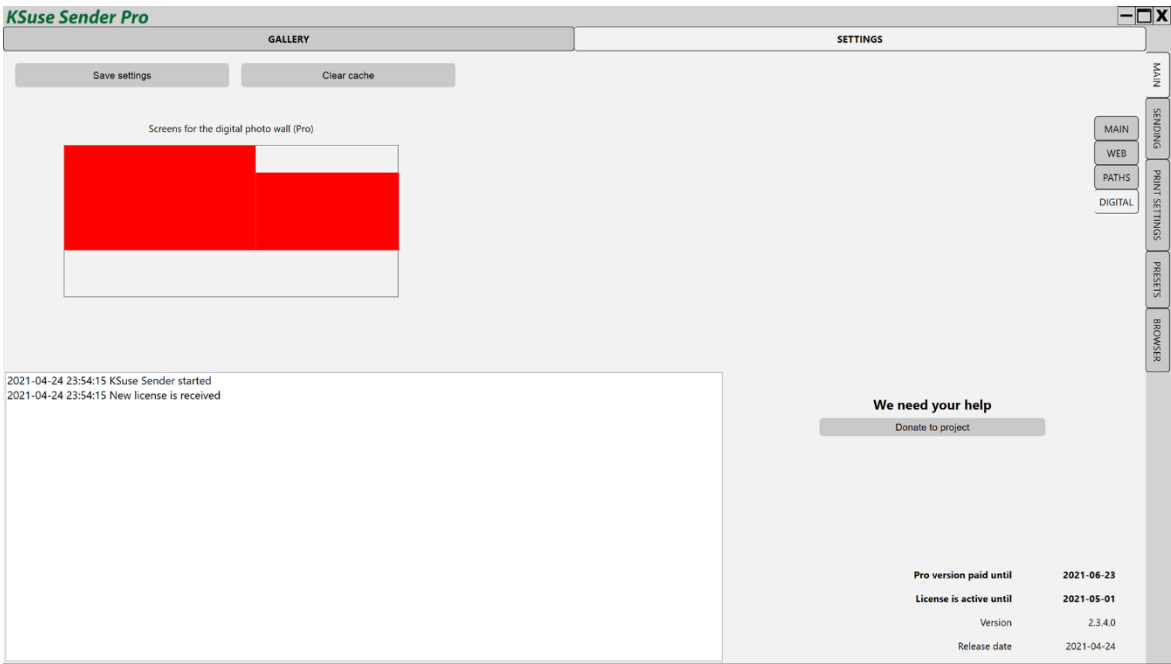
A small window displays a command to add permission in the Windows firewall for incoming connections to Sender. The command must be run from a command prompt running as administrator.

The "Autoscroll pause (only for web), seconds" field sets the duration of waiting for user actions in the browser. Upon expiration of this interval, when a new file arrives in the gallery, an automatic transition to it will be made.



Here is a choice of paths from where the program reads images and videos for the gallery, and also saves temporary files.

**After saving the new values of the paths, you must restart the program!**



Displays for displaying the gallery are selected in the central block by clicking on the display rectangle. The selected displays are highlighted in green.

Gallery works correctly only when the scale is 100% set in the properties of all monitors.

## E-mail Settings

## “Templates” tab

The screenshot shows the 'Ksuse Sender Pro' application window with the 'GALLERY' tab selected. The interface includes buttons for 'Export template', 'Import template', 'Save template', and 'Additional fields'. A 'Template:' dropdown is set to '6'. The main area is divided into two columns. The left column contains settings for 'Show agreement', 'Give consent by default', 'Send without consent', 'Show consent to use', and 'Give consent to use by default'. The right column contains text input fields for 'Text of link to agreement', 'Text of agreement', 'Text of consent to use', and 'Mail subject'. Below these is a 'Mail text' area with a preview of the email content. At the bottom is an 'Editor' with a rich text toolbar and a preview of the email content.

**It is necessary to fill in both text and html version of the email!**

It is possible to obtain two consents from the user. The first of these can be made mandatory.

There are 3 types of email templates: “Template is not used”, “The template is used to send in the Sender”, “The template is used to send on the site”.

Saving a template with one of the last 2 types, automatically sets the "Template not used" type for the previously selected one with the same type.

If a template for sending is not selected, then email will not be placed in the sending queue.

## “Additional Settings” tab

The template is used to send from the Sender

Text of link to agreement  
By clicking on the "Submit" button, I consent to the processing of personal data.

☒ ON Show agreement  
☐ OFF Give consent by  
☐ OFF Send without co

Name	Show?	Print?	Font	Font style	Font size (pt)	Font color	Stroke size (pt)	Stroke color	Indent left (pt)	Indent right (pt)	Required field
	OFF	OFF	Arial	Regular	32		6		10	10	OFF
	OFF	OFF	Arial	Regular	32		6		10	10	OFF
	OFF	OFF	Arial	Regular	32		6		10	60	OFF
	OFF	OFF	Arial	Regular	14		0		10	90	OFF

Save settings

Editor

Paragraph Times New Roman 3

Hello!

Your video is in the attachment!

Subscribe to our Instagram page!

[Click to subscribe](#)

Have a good evening! :)

In this window, you can choose which additional data entry fields to display in the web gallery.

The collected data is contained in the exported xls file.

It is also possible to turn on printing of the entered data on photos choosing the position, font, and color of labels.

Additional fields can be renamed and made mandatory.

## “Email settings” tab

The screenshot shows the 'Email settings' tab in the KSuite Sender Pro application. The interface is divided into a 'GALLERY' section on the left and a 'SETTINGS' section on the right. The 'SETTINGS' section contains the following fields and options:

- Save settings** button
- Enable sending**: ☒ ON
- Automatically resend**: ☒ ON
- SMTP timeout (in seconds)**: 180
- Send through SendGrid**: ☐ OFF
- SendGrid API Key**: [Redacted]
- Sender's name (for SendGrid)**: Konstantin
- Sender's email address (for SendGrid)**: yakonus@gmail.com
- Mailbox**: 8 (with icons for adding and deleting mailboxes)
- Is active**: ☒ ON
- Sender's name**: Konstantin8 <yakonus@gmail.com>
- Mail server**: smtp.gmail.com
- Login**: yakonus@gmail.com
- Password**: [Redacted]
- Smtp port**: 587
- SSL (TLS)**: ☒ ON
- Test the settings** button

The right sidebar contains navigation links: MAIN, SENDING, PRINT SETTINGS, PRESETS, INSTAGRAM, EMAIL, EMAIL TEMPLATES, EMAIL SETTINGS, and EMAIL DATABASE.

To send via SendGrid, you need to create an API key in your account and copy it to the program settings.

The “Automatic resending” option allows automatic repeated attempts to send messages with the “Error” status. Attention! Sharp increase in traffic volume with unstable internet connection is possible.

When entering the data of several mailboxes, the program will send letters in turn from each.

**In the Free version, sending is done from only one mailbox.**

If the "Login" field contains the full email address, then in the "Sender's name" field you can simply enter a display name. If the login is not equal to the e-mail address, then in the field "Sender's name" you must enter the e-mail from which the sending will be made in square quotes. For example: Konstantin <yakonus@gmail.com>

**SSL connection on port 465 is not supported!**

To use Gmail, you need to allow less secure apps:

<https://myaccount.google.com/lesssecureapps>

The “Test the settings” button sends a test email.

## Database window

**Ksuse Sender Pro**

**GALLERY** **SETTINGS**

Send all 3 0 2020-12-25 2021-02-05 Export to xls Delete all

	Date, time	Email	A	U	T	M	Name	Status	Description
Send	2020-12-26 22:46:34	yakoni@inbox.ru	1	1	6	10	20201226_223127_0000.jpg	Sended	OK
Send	2020-12-26 20:40:31	yakoni@inbox.ru	1	1	6	10	20201226_203953_0001.mp4	Sended	OK
Send	2020-12-26 20:26:28	yakoni@inbox.ru	1	1	6	10	20201226_202606_0000.mp4	Sended	OK

EMAIL TEMPLATES EMAIL SETTINGS EMAIL DATABASE

MAIN SENDING PRINT SETTINGS PRESETS INSTAGRAM

In this window, you can see the status of all sent letters in the selected date range and resend if necessary.

The width of the columns can be changed by moving the separators in the table header.

The “Send All” button re-sends all emails for the specified date interval except those already sent.

In the table you can change the email address of the recipient and the number of the template.

“A” - whether consent was given to the processing of personal data

“U” - was consent to the use of the video given

"T" - letter template number

"M" - mailbox number

You can delete an error line by selecting and pressing the Delete key, or by pressing the X button in the desired line.

Black number - total emails

White number - sending

Green number - sent

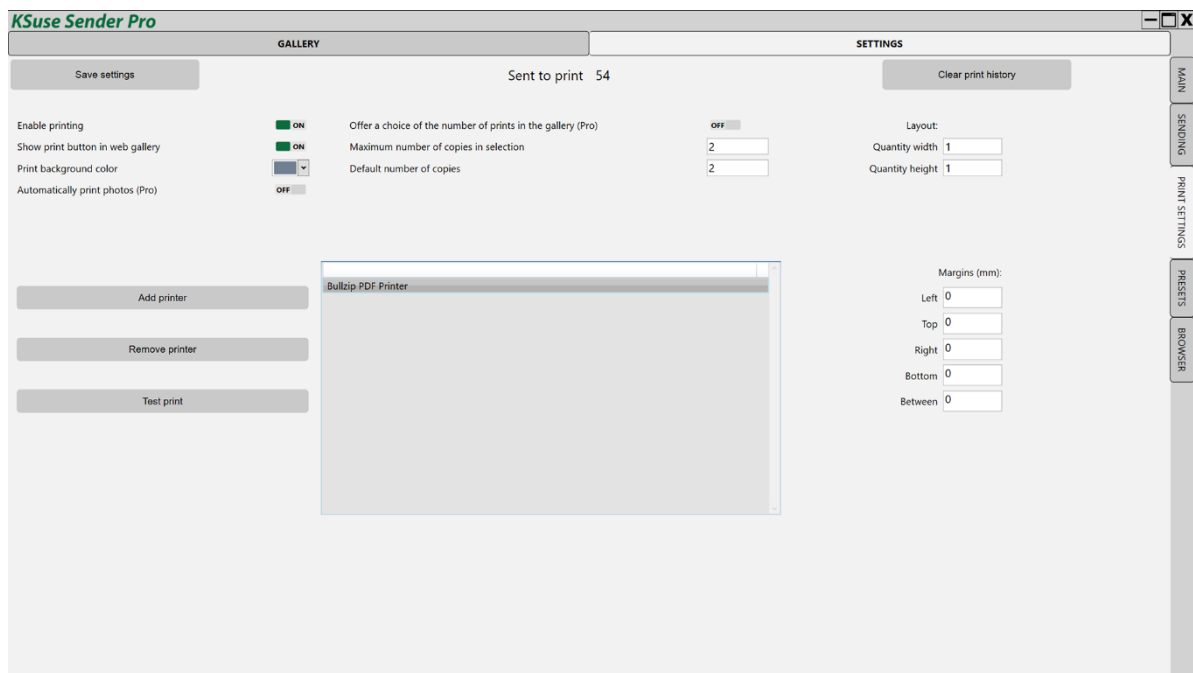
Red number – errors



If all the specified file types were found, the line gets the green status “Sent”.

If no necessary attachments are found, then the line receives a blue status of “Missing file”.

## Print settings



Photos for printing are selected through the web gallery.

When printing is on, photos are automatically sent to the printers added to the list. Print jobs are sent to each printer in turn. Printers in offline state are skipped.

**Do not enable the “Printing enabled” option if printers are currently unavailable!**

**Attention! Paper size and orientation is defined in the printer settings in Windows! These parameters must be the same on every printer added to the list!**

Using the "Margins" and "Layout" settings you can place several photos on one printed sheet.

Margins are not related to margins in printer settings! These are additional indents of the photo from the edge of the sheet.

Margins are configured separately for each printer in the list.

Fields are filled with the color selected in the "Print background color".

By setting the margins in the program, you can eliminate the cropping of the photo by the printer. If the printer cuts the photo, first increase the margins to such a value that they appear on the print, and then reduce them exactly as far as they are visible.

With the help of the option "Offer a choice of the number of prints in the gallery" it is possible to enable the output of the selector of the number of printed copies in the built-in and web galleries. The limitation of the number of copies and the default value are also set here.

When the option "Automatically print photos" is enabled, the photo will be printed in the quantity specified in the "Number of copies by default" immediately after adding to the gallery.

The program keeps a list of all printed files.

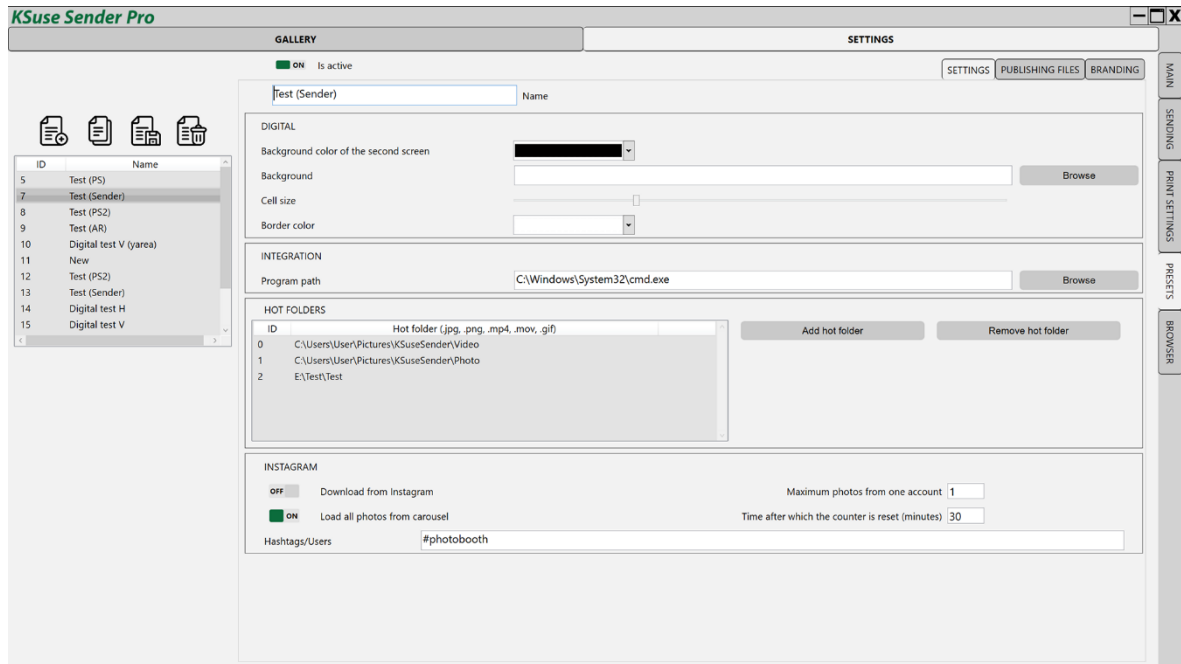
Before starting a new event, it is recommended to clear the history, as automatic printing checks if this file has already been printed in the print history.

## Presets Settings

A preset with the “Enabled” option enabled is used.

**To apply the settings, you must save the preset!**

### "Settings" tab



#### Block “Digital”

In this window, you can configure the display of the second window.

It is possible to set the background color or background image. The specified image is stretched to fill the entire screen.

#### Block “Integration”

Selecting the program that starts when the web server receives a corresponding request.

#### Block “Hot folders”

A list of folders in which the program will search for new photos, videos, gifs is set here.

If the file names in different folders are the same, and the creation datetime does not differ by more than 10 minutes, then they are considered one snapshot and will be sent together.

If the list of hot folders is empty, then the folder specified in the main settings is used.

**The Free version does not use the hot folders specified here.**

### *Block "Instagram"*

Here you specify the hashtags and / or usernames separated by commas, the photos of which must be downloaded by the program.

Limitations of working with Instagram without authorization:

- Photos from only 16 recent posts
- Only the first photo from a multi post
- Only open accounts

There is an opportunity to log in to Instagram. For authorization, you must use the built-in browser on the Instagram tab. **Attention! Don't use your main account! The account used in Sender may be banned!**

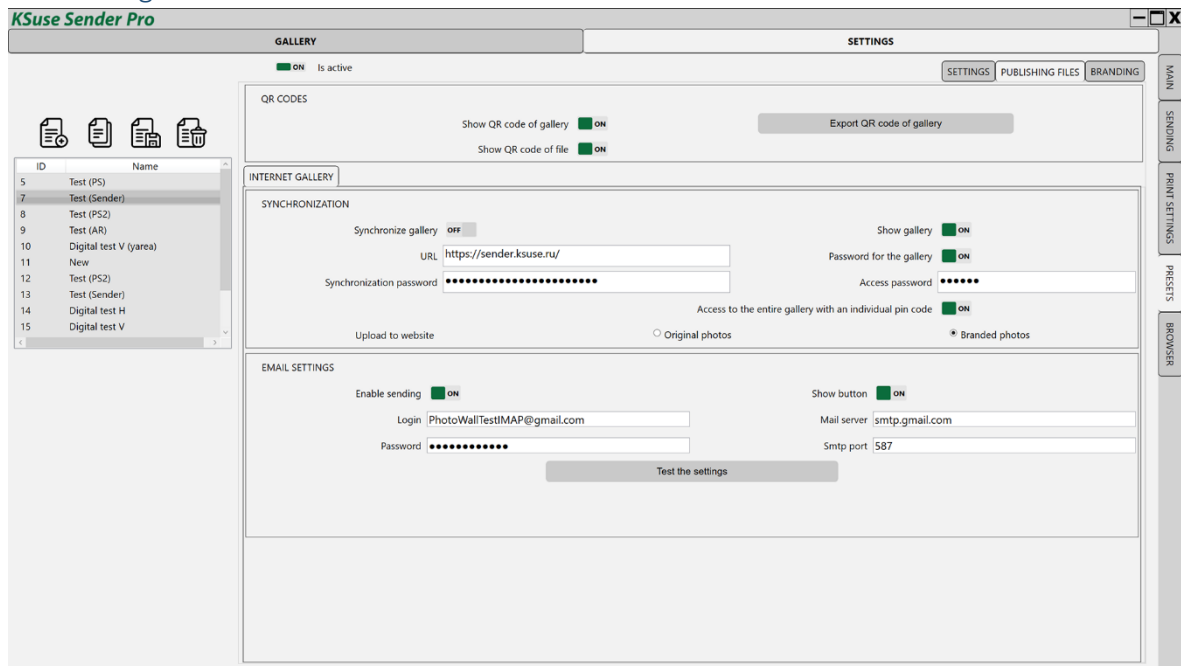
It is highly recommended that you create a business account that will only be used on one computer in this program.

Instagram may require device verification.

You can choose whether to download all files from the carousel only if you are logged into Instagram.

It is possible to limit the number of photos printed from one account at a specified time interval. Affects automatic printing only.

## “Publishing Files” tab



**The online gallery is only available in the Pro version.**

In this tab, enter the website address for the online version and the synchronization password.

The online gallery runs in php 7.2 and later. The content is loaded via ajax using the jquery library without refreshing the page, which allows you to embed the gallery into almost any of your pages.

You need copy the files from the "for\_site" folder to the site. These files must correspond to the version of the program from which the gallery is synchronized.

You must set the Data folder to have permission 0777.

The pass.php file stores the sync password.

The dictionary.php contains the online gallery dictionary.

Attention! You cannot sync one gallery from different copies of the program! Synchronization is one-way, one Sender will hide files uploaded by another Sender.

“Show gallery” - enables displaying the entire gallery.

“Password for access” - sets a password for viewing the gallery.

A shot is always available using a pin-code regardless of the gallery settings.

With the "Access to the entire gallery with an individual pin-code", you can display the entire gallery, if you know the pin-code for any of the pictures. In fact, these are individual passwords for the gallery. That is, if you delete someone's picture from the gallery, then the person automatically loses access to the entire gallery.

Files with the same name, but different extensions or located in different hot folders, and created at the same time, are combined under one pin code.

Review: <https://youtu.be/mD9JiYy735Y>

Original or branded photos are uploaded to the Internet gallery. The preview is always branded.

The online gallery has a button "Send email".

If you make e-mail settings on this page, then sending will be carried out through the specified mailbox. The email will contain the selected file as an attachment. The email template is selected in the "E-mail"- "Templates" tab.

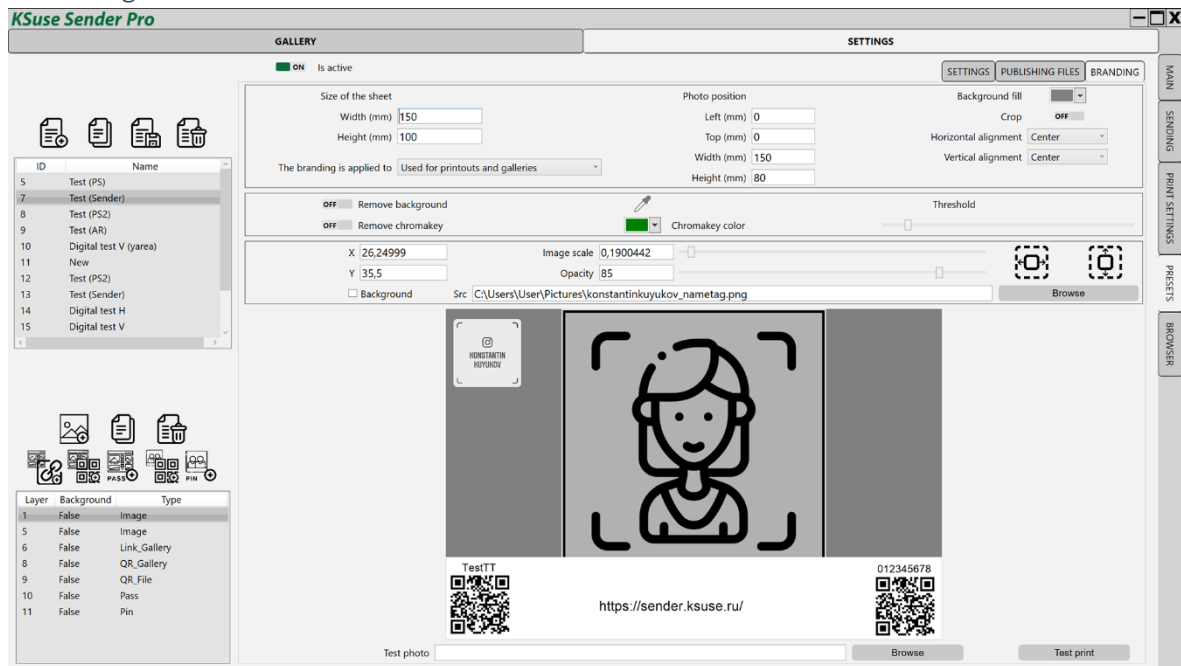
**Attaching images to html text is not supported. Use links to external sites.**

If the data is not filled in, then the button will simply call the default email program on the device used and insert a link into the text of the email.

On this page you can export the QR code of the gallery for printing.

And also enable / disable the display of QR codes of the gallery and image in the built-in and web galleries.

## "Branding" tab



Graphics are added by adding image layers.

If the option "Background" is turned off, the image is overlaid on top of the photo.

When the option "Background" is on, the photo is displayed in areas not taken by the photo and instead of the remote chromakey.

You can upload a test photo to customize branding.

Moving the current layer is done with the left mouse button, or by changing the values of the "X", "Y" fields.

You can scale the current layer using the mouse wheel.

It is also possible to add QR codes, link, password and pin code of the Internet gallery to the photo. It is recommended to turn off the display of QR codes in galleries so that they do not duplicate those overlaid on photos.

The generated print size is set (the actual size depends on the printer settings) in this tab, the size and position of the photo on the print.

You can set the background color of the printout outside the photo.

"Do not brand" - Graphics are not overlaid on the image.

"Used for printouts only" - Only the printout is branded.



“Used for printouts and galleries” - Both the printout and the photo in the gallery are branded.

Attention! Processing is performed at the time of uploading a photo to the gallery. A preset must be created before uploading photos!

The “Width” and “Height” fields of the “Size” block are used to set the size of the generated image.

In the “Photo size” block, the position of the processed photo on the generated image is specified. If the aspect ratio of the original photo does not coincide with the specified, then it either fits into the specified dimensions or is cropped, depending on the value of the “Crop” option.

If the aspect ratio of the photo does not match the specified one, then it will be aligned in accordance with the specified settings.

The background of the generated image outside the original photo is filled with the color specified in the “Background fill” option.

Moving the photo is done with the left mouse button with the Shift key pressed, or by changing the values of the “Left (mm)”, “Top (mm)” fields.

You can scale the photo using the mouse wheel with the Shift key pressed, or by changing the values of the “Width (mm)”, “Height (mm)” fields.

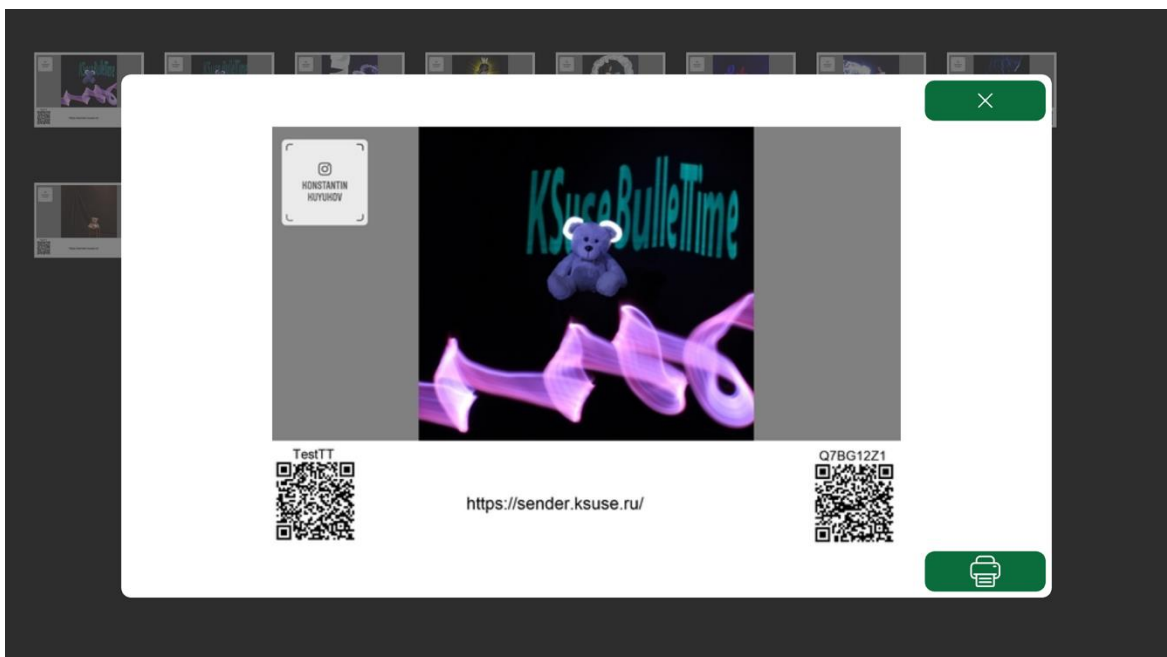
#### *“Chromakey” tab*

There are two ways to remove a uniform background from photos:

1. Enable the option “Delete chromakey”, set the color of the chromakey, set the threshold.
2. Enable the option “Delete background”. In this case, the color of a uniform background will be determined automatically. The selected threshold will also be applied for deletion. Attention! The predominant color in the photograph may not only be in the background.

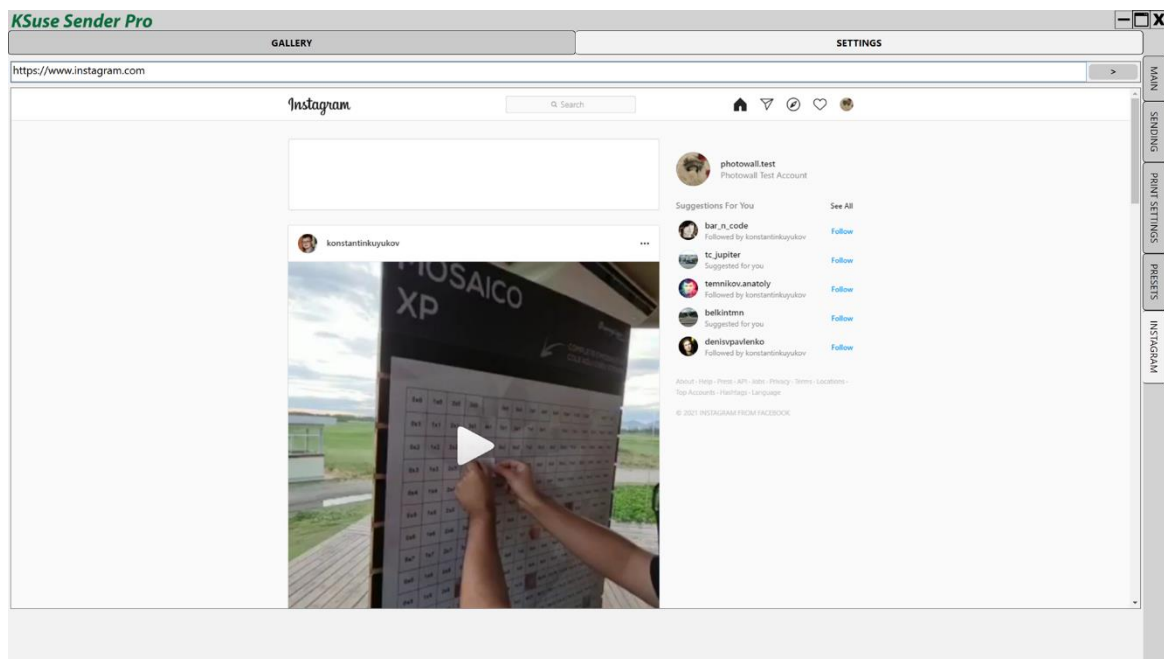
Using the eyedropper, you can take color from the test image.

## Second screen



It is possible to send photos from this gallery for printing.

## Instagram



This tab contains a built-in Chromium-based browser. It serves for authorization, confirmation and unblocking on Instagram.

## Web API

The program contains a built-in web server.

Launching commands and obtaining information by a web page is carried out by opening virtual pages and files located in the www folder.

You can change these files as you see fit. When updating or reinstalling the software, the pages are replaced with those in the distribution kit.

List of virtual pages:

1. /c – loads the c.html file, replacing {ShowControls} with "controls" or "", depending on the settings of the active preset.
2. /last – loads the last.html file, replacing {ShowControls} with "controls" or "".
3. index.html – loads the index.html file

Replacements in the text:

- a. {CaptionGuestId} – Name of the ID field
- b. {showGuestId} – Required Field, "required" or ""
- c. {CaptionGuestName} – Name of the Name field
- d. {showGuestName} - "required" or ""
- e. {CaptionGuestSurname} – Name of the Surname field
- f. {showGuestSurname} - "required" or ""
- g. {CaptionGuestCaption} – Name of the Caption field
- h. {showGuestCaption} - "required" or ""
- i. {showAgree} – Display an agreement on the processing of personal data, "" or "hidden"
- j. {TextAgree} – The text of the agreement on the processing of personal data, a short text of the agreement with a link to the full text of the agreement or ""

- k. {checkAgree} – Is there consent by default for the processing of personal data, "checked" or ""
  - l. {showUseConsent} - "" or "hidden"
  - m. {TextUseConsent} – Text of consent to use materials or ""
  - n. {checkUseConsent} - Is there a default consent for the use of materials, "checked" or ""
  - o. {autocomplete} – Whether autocomplete is enabled, "off" or "on"
  - p. {emailFieldType} - type="email" multiple or type="text"
  - q. {CaptionEmail} – "Email" value from dictionary or "" if there are no other fields in the form
  - r. {showPrint} – Show print button, "" or "hidden"
  - s. {showHide} – Show hide button, "" or "hidden"
  - t. {TheNumberOfCopies} – Selector of number of copies or ""
  - u. {showSave} – Show save button, "" or "hidden"
  - v. {WebSize} is replaced with the preview size code in the gallery
  - w. {Theme} is replaced with the current theme code
  - x. {BTsend} - "SEND" value from dictionary
  - y. {BTprint} - "PRINT" value from dictionary
4. "/js/KSuse\_mosaic.js" и "/js/KSuse\_slider.js" loads the corresponding file

Replacements in the text:

- a. {ClearEmail} – Clear email input field, true or false
- b. {AgreeDefault} – Is there a default consent to the processing of personal data, true or false
- c. {AgreeUseConsentDefault} – Is there a default consent to use the content, true or false

- d. {UseRotateByEXIF} – Auto rotation of photos using EXIF data, true or false
  - e. {WebShowGalleryQR} – Display QR code of gallery, true or false
  - f. {WebShowPinQR} – Display QR code of the file, true or false
  - g. {WebPublic} – Whether the gallery is public, true or false
  - h. {WebPublicWithPass} – Whether the gallery has a password, true or false
  - i. {WebAccessPass} – Gallery password
  - j. {WebURL} - Gallery URL
  - k. {WebEmailSubject} – Email subject
  - l. {WebEmailText} – Email text
5. /showAgreement.html loads the showAgreement.html file, replacing {Text} with a full test of the Personal Data Agreement.
6. /ext.html – Runs the external program specified in the active preset.

It is recommended to add an additional parameter to the query string, for example, &a=1

- a. In the GET parameter “params”, you can specify the parameters for launching the program, separated by commas. For example, “/ext.html?params=create,file” will run “blablabla.exe create file”
  - b. In the GET parameter “wait”:
    - i. 1 – Wait for the end of the program execution. In this case, loading of the page stops before the end of execution. The Html response will contain the program console output, or Error + the text of the returned error.
    - ii. 0 – Start without waiting for completion. Either “Launched” or Error + startup error text.
7. /getLT.html – Duration of displaying the file in the gallery
8. /getRep.html – Number of video repetitions in the carousel
9. /getListOfNames.html – List of files in the gallery in JSON format.

Structure: {"ID": identifier, "Ext": file extension, "Filename": file name without extension, "Pin": file pin code}

10. /getLastName.html – Last file in gallery in JSON format
11. /getListOfMailDomains.html – list of mail domains for hints separated by via;
12. /send.html – Adds the file to the send queue. GET parameters:
  - a. email - list of recipients separated by ;
  - b. curSlides - list of file identifiers separated by ;
  - c. agree – is there consent to the processing of personal data, 1 or 0
  - d. agreeUseConsent – is there consent to use the materials, 1 or 0
  - e. GuestId – Value of the Id field
  - f. GuestName – Value of the Name field
  - g. GuestSurname – Value of the Surname field
  - h. GuestCaption – Value of the Caption field

Ответ: Фраза из словаря "Added to the send queue".

13. /print.html - Добавляет файл в очередь на печать. GET параметры:
  - a. curSlide – Идентификатор текущего выбранного файла
  - b. kolvo – количество копий

Ответ: A phrase "Added to the send queue" from the dictionary.

14. /Prew.jpg?ID=x – File preview.
15. /GIF/ID.gif
16. /Photo/ ID.jpg, /Photo/ ID.png
17. /Video/ ID.wmv, /Video/ ID.mov

## Used libraries

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System.Data.SQLite - <https://system.data.sqlite.org>

Microsoft - <https://dotnet.microsoft.com/>

CefSharp - <https://github.com/cefsharp/cefsharp>

BSD 3-Clause License:

NLog - <https://nlog-project.org/>

The MIT License:

DynamicExpresso.Core - <https://github.com/davideicardi/DynamicExpresso>

HelixToolkit - <https://github.com/helix-toolkit/helix-toolkit>

Newtonsoft.Json - <https://www.newtonsoft.com/json>

Portable.BouncyCastle - <https://www.bouncycastle.org/csharp/>

QRCoder - <https://github.com/codebude/QRCoder/>

SendGrid - <https://sendgrid.com/>

SharpZipLib - <https://github.com/icsharpcode/SharpZipLib>

QRCode.js - <https://github.com/davidshimjs/qrcodejs>

jQuery - <https://jquery.com/>

JavaScript-Load-Image - <https://github.com/blueimp/JavaScript-Load-Image>

vanilla-lazyload - <https://github.com/verlok/vanilla-lazyload>



twilio-csharp - <https://github.com/twilio/twilio-csharp>

dropbox-sdk-dotnet - <https://github.com/dropbox/dropbox-sdk-dotnet>

Apache License:

CalcBinding - <https://github.com/Alex141/CalcBinding>

Google.Apis.Drive.v3 - <https://github.com/googleapis/google-api-dotnet-client>

Magick.NET - <https://github.com/dlemstra/Magick.NET>

NPOI - <https://github.com/tonyqus/npoi>

Microsoft Public License (MS-PL):

Extended.Wpf.Toolkit - <https://github.com/xceedsoftware/wpftoolkit>

NAudio - <https://github.com/naudio/NAudio>

LGPL v3:

FFMPEG - <https://www.ffmpeg.org/>