

# What's new in LogTag Xpress 1.2

*Tuesday, November 22, 2022 - relates to LogTag Xpress Version 1.2r6*

We are pleased to announce the latest update for LogTag Xpress, now released as version 1.2. This update supports upgraded products, but also contains bug fixes and has some new features as well as improved functionality.

It also introduces the ability to connect LogTag Xpress with LogTag<sup>®</sup> Online, LogTag<sup>®</sup>'s new cloud-based monitoring system providing alarm notifications, compliance, record storage and reporting functions.

We have compiled this information sheet for those who have already used earlier versions and wish to familiarize themselves with the new functionality of version 1.2.

Please also refer to the LogTag Xpress User Guide, which can be found in the **HELP menu** of the LogTag Xpress software. Both User Guide and Help File are continually updated so you can access concise and accurate information about our products.

## LogTag<sup>®</sup> Online

LogTag<sup>®</sup> Online is a cloud-based, real-time online monitoring system providing alarm notifications, compliance, record storage and reporting functions.

It allows its users to download data from LogTag<sup>®</sup> data loggers, view the data in the cloud, and allows the sharing and securing of the data based on users' permissions.

LogTag Xpress offers integration with LogTag<sup>®</sup> Online, allowing you to upload data from loggers via your desktop interface cradle.

The LogTag Xpress User Guide details these integration features, particularly the connection to LogTag<sup>®</sup> Drive, one of the features of LogTag<sup>®</sup> Online. You will learn how to:

- Upload files directly to the LogTag<sup>®</sup> Online Drive from Xpress
- Upload data to LogTag<sup>®</sup> Online locations

Please refer to the LogTag<sup>®</sup> Online section in the LogTag<sup>®</sup> Online User Guide or to the LogTag<sup>®</sup> website at [logtagrecorders.com/online](https://logtagrecorders.com/online).

## Support for new Models in Revision 1.2

Version 1.2r4 adds support for all recently introduced new models:

### UHADO-16

USB PDF Temperature and Humidity Logger with Display



### HASO-8

Single use Temperature and Humidity Logger



### USRIC-16

Single use USB PDF Temperature Logger with Display



### UTRED30-16

USB PDF 30-day Logger with Display



### UTRED30-WIFI

USB PDF 30-day Wireless Logger with Display



### TREL30-16

Low Temperature Logger with Display



LogTag Xpress now supports all current interface models for communication, including the LTI-HID, LTI-WIFI and LTI-WM-WIFI models.

For more detailed information please refer to the User Guides for each specific product, available from the LogTag North America website at <http://lt.help/6uink>.

## Addition of Spanish

We are delighted to announce that Spanish has been added to the list of display languages for LogTag Xpress version 1.2. This brings the list of fully supported languages to 4:

- English
- German
- Russian
- Spanish

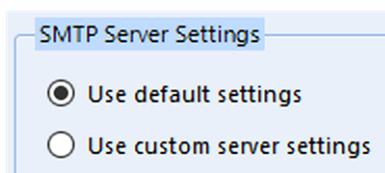
We would not be able to offer these translations without the help of our distributors, so a big thank you to all involved for making this possible.

We will endeavor to support more languages in the near future.

## New email and file upload options

### Built-in SMTP server connection

LogTag Xpress now features a built-in SMTP connection. To use this, select [Default settings](#) in the SMTP section of the E-Mail option settings.



You will then not have to specify your own SMTP settings.

### Connecting to Gmail

LogTag Xpress can connect to Gmail's SMTP server using your Gmail account. From version 1.2r2 on, Xpress supports the OAuth2 authorization method, which makes it more secure to connect but requires a few simple extra steps when you initially set up automated email sending.

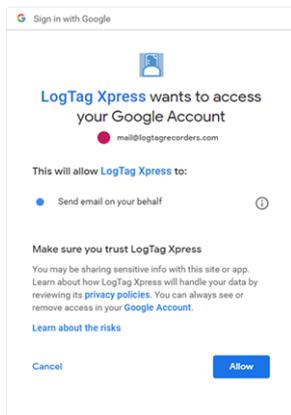
If you already connect to Gmail with an earlier version of Xpress you will have enabled the option [Allow less secure apps](#) in your Google account settings. You can continue sending emails this way without changing any of the settings in Xpress, however, we strongly recommend using the more secure OAuth2 authorization method, as described below.

To use this method, select the Email Settings tab in Options. In the SMTP server settings section select Use custom server settings, then Use Gmail authorization. The Port and SSL/TLS fields will now be set up automatically and the User Name/Password entries will no longer be available for selection.

Complete the remaining entries in the Email Settings section.

Once complete, click Send test email. Have your Gmail logon and password details ready.

Your default browser will now open. You will be asked to select which Gmail account you wish to connect to. If required, enter the details of your Gmail account (account name and password).



Click Allow and your browser will show a message that it has successfully communicated with LogTag Analyzer and set up the appropriate permissions.

You can now close the browser window.



Unless you have other applications that need to connect to your Google account, you can now switch the setting [Allow less secure apps](#) to Off. You can check which other applications access your Google account in the section [Apps with access to your account](#) in the account settings.

## Office365 email support

LogTag Xpress can now connect to Office365's SMTP server using your Office365 account.

To use this method, select [Email settings](#) in [Edit - Options - Automation](#).

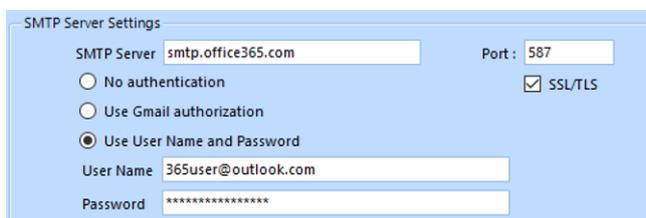
Complete SMTP Server, Port and SSL/TLS fields as follows:

Server Name: smtp.office365.com

Port Number: 587

Encryption Method: Enable SSL/TLS

Click [Use User Name and Password](#) and type your Office365 account email into the User Name field and your Office365 account password into the Password field.



**Figure 1:** Settings for Outlook 365

If you use two factor authentication for your Microsoft account you will need to perform extra steps, or sending emails will fail:

1. You will need to generate an [app password](#) that specifically allows connection to applications that are unable to accept two factor authentication passwords.

This is done on the [Security basics](#) page for your Microsoft account, in the [More security options](#) section. Create a new app password (or use the existing one). Please refer to the Microsoft documentation on this subject if you need further assistance generating this password.

2. Once generated, enter this password in the [Password](#) field.

You can now complete the remaining entries in this window, then test the SMTP settings by clicking [Send Test Email](#).

## Settings when connecting via SFTP

SFTP (SSH File Transfer Protocol) creates an FTP link using a secure data stream. In addition to authentication via [Username](#) and [Password](#), LogTag Xpress offers authentication via a [Public/Private Key Pair](#).



If you wish to know more about asymmetric cryptography please refer to one of the many books or articles available on the topic.

When selecting Password, you provide the same details as you would for a standard FTP connection, except that the default port is now 22.

The screenshot shows the 'FTP Server Settings' dialog box. The 'FTP Server' field contains 'SFTP Server.domain' and the 'Port' is set to '22'. Under 'User Name', 'sftpuser' is entered. The 'Password' radio button is selected, and the password field contains several asterisks. The 'Private Key' radio button is unselected. The 'Remote Folder' is 'Uploads' and the 'Create folder' checkbox is unchecked. The 'Security protocol' section has 'SFTP' selected with a radio button, while 'none', 'SSL', and 'TLS' are unselected. A 'Test connection' button is at the bottom.

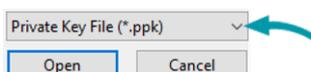
When selecting Private Key, the entries change to allow you to specify the key pair for the authentication.

The screenshot shows the 'FTP Server Settings' dialog box with the 'Private Key' radio button selected. The 'Key Password' field is empty. There are 'Load key...' and 'Generate key' buttons next to the key fields. The 'Security protocol' section has 'SFTP' selected with a radio button, while 'none', 'SSL', and 'TLS' are unselected. A 'Test connection' button is at the bottom.

The key pair is provided via one of three methods:

1. The key pair is generated on the SFTP server, and the [public key](#) is added to the list of authorized keys that the server allows by the server administrator.

You will need to obtain and import the [private key](#) into LogTag Xpress. To do this, click [Load Key...](#) and browse to the private key file you have received. LogTag Xpress accepts OpenSSH and PuTTYGen keys. If the key was sent to you in OpenSSH format the file name may not have a file extension, and may not be displayed in the file explorer window that opens after you click [Load key...](#). In this case, click the down arrow next to [Private Key File](#) and select All files.



The key may be protected by a password. You can enter this password in the [Key Password](#) field.



**Note:** If the key is protected by a password, you must enter this in the password field before you load the key, or you will receive an error message.

You should now be able to test your connection.

2. The key pair is generated by LogTag Xpress and the [private key](#) is instantly added to LogTag Xpress.

Generate the key pair by clicking . If you wish to protect the private key with a password enter it before generating the key.

A file explorer window opens and you are asked to save the [public key](#) to a file. Browse to a suitable location, enter the name for the key and click .

Forward this file to the administrator of the SFTP server, so you can be included in the list of authorized users. LogTag Xpress generates a 2048-bit RSA key (stronger keys can be generated via method 3).

We recommend you create a backup copy of the [private key](#) and store it in a safe location. To do this, click anywhere in the private key field and press CTRL-A, then CTRL-C to copy the key to the clipboard. Press the Windows button (  ) on your keyboard, type notepad and press Enter. Press CTRL-V to insert the contents of the clipboard. Save the file to a private location on your PC. Enter "yourkeyname.ppk" (including the quotation marks) as the file name to save it as a Private PuTTY Key.

Testing your connection cannot be done until the server administrator has advised you that the key has been added to the list of authorized users.

3. A third-party program is used to generate the key pair, such as PuTTYgen or SSH-keygen. This would require you to generate the key pair, save send the [public key](#) to the server administrator and import the [private key](#) into LogTag Xpress with the method described above.

Please discuss any further issues with your network administrator.

# Improvements

As always, we have made some improvements and corrected some issues from previous versions. A selection of these can be found here. Please refer to the release notes for a full list of changes.

## Upgrading LogTag Xpress

The same upgrade process as used for LogTag Analyzer has now been implemented in LogTag Xpress. This gives users a seamless process when new versions are available.

## File upload status

The activity log now contains information about the upload details for the files, so you have a better record of what was sent. Pending uploads are now also stored between sessions, for example, if you shut down your PC when the network was unavailable for sending files.

## Prioritize download over file generation

We have removed this configuration parameter for all USB loggers. It will now always get enabled during configuration.

## Expanded Temperature Ranges

We are able to adjust the lower limit of the temperature range of UTRIX-16, USRIC-8 and USRIC-16 loggers to -30 °C for product manufactured after 1 Jan 2019 due to an upgrade in one of the components used in those products.

## Themes

We had to change the theme to the same theme as used in LogTag Analyzer, as the old theme was causing issues with a number of the software's compatibility features that we were unable to resolve.

## USB Logger Description field

Until version 3.1r5, the description field in USB loggers only accepts ASCII characters due to a lack of font support in the on-board PDF. Some clients found this too restrictive, so effective version 3.1r6, LogTag Xpress allows entry of Unicode characters into the description (and password) fields. As a result, you may see unrecognizable characters in the on-board PDF file, while LogTag Xpress will display the correct characters on-screen.

## Using Exemption Passwords

Your administrator can set up LogTag Xpress in such a way that loggers protected by certain passwords are exempt from requiring the user to provide that password. Please discuss this requirement with your network administrator or distributor.

## List of improvements and corrections

As with every release you, our clients, have identified several issues, which we fixed with this release. Thank you to all who have brought these to our attention.

You can find a complete summary of changes on the LogTag® Recorders website on <https://logtagrecorders.com/ltx/release-notes/>.