



"Google Sheets"

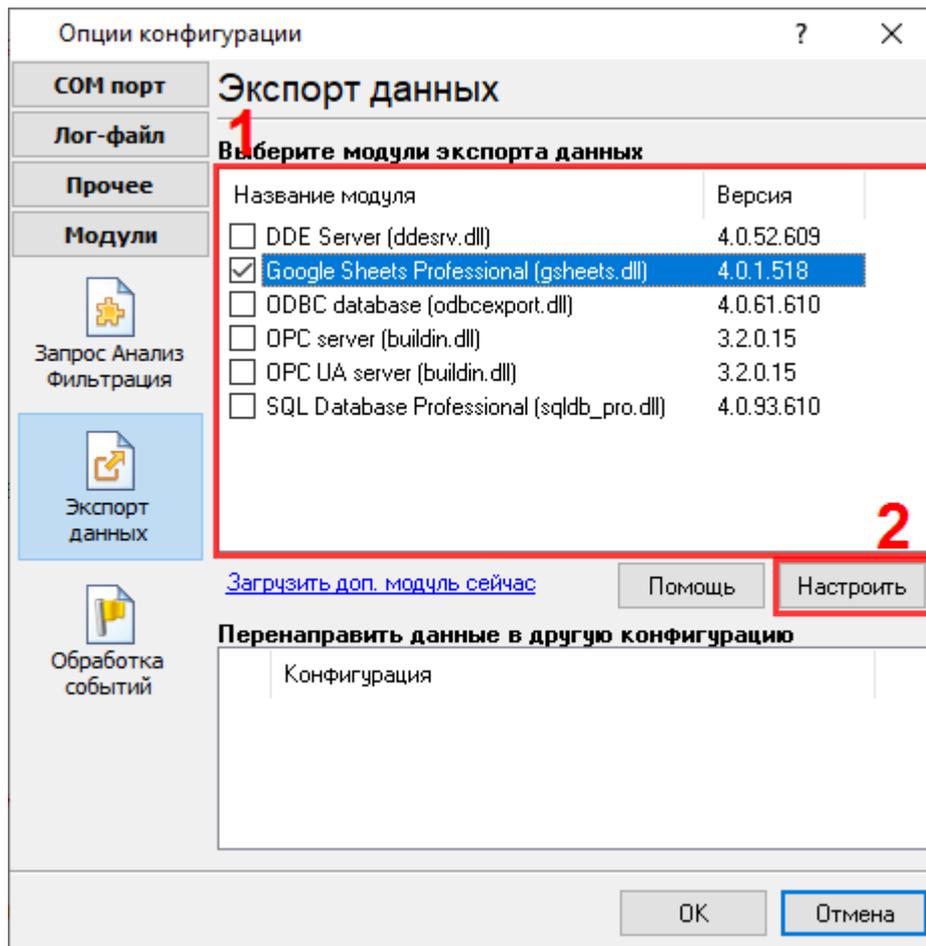
1		1
2		1
3	<b>Google Sheets</b>	2
4		3
5		4
1	.....	4
2	API .....	7
3	.....	9
4	.....	11



Google.

### 3 Google Sheets

1. ( , Advanced Serial Data Logger),
  2. ;
  3. ,
  4. Windows;
  5. " " ;
- ," " "
- .1-2.
- " " "
- " - " "



.1.

4

Plug-in -

Advanced Serial Data Logger

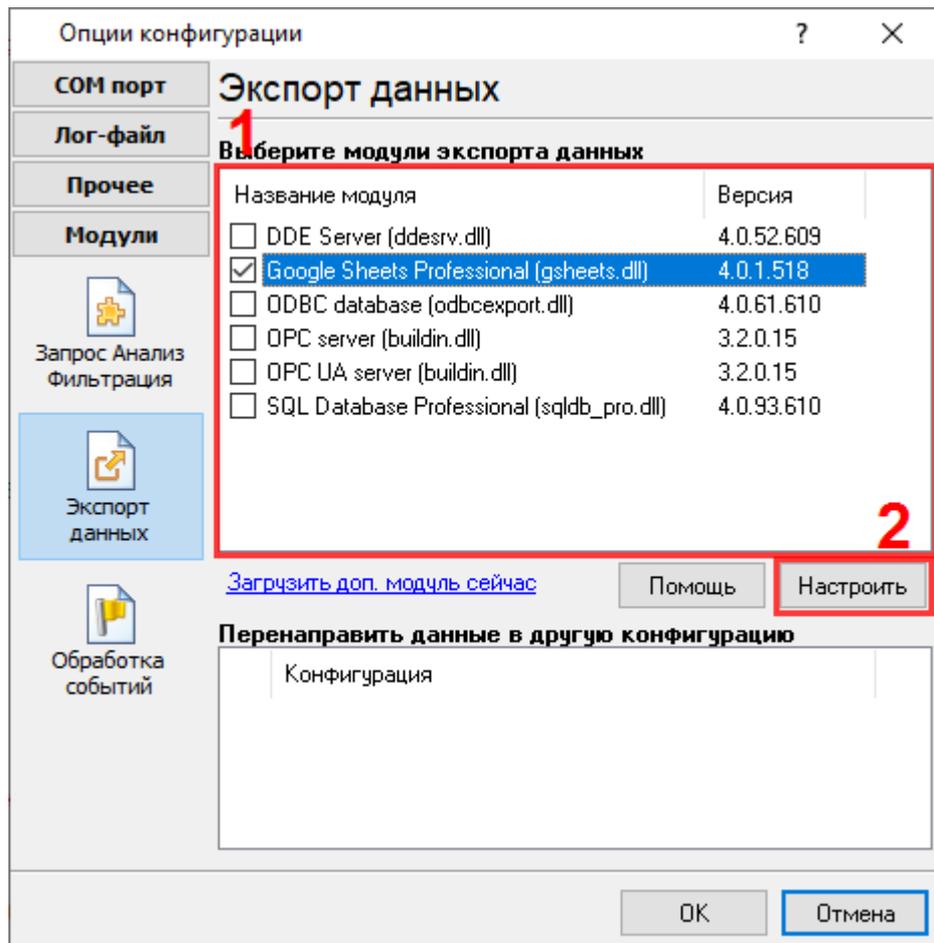
## 5

## 5.1

Google

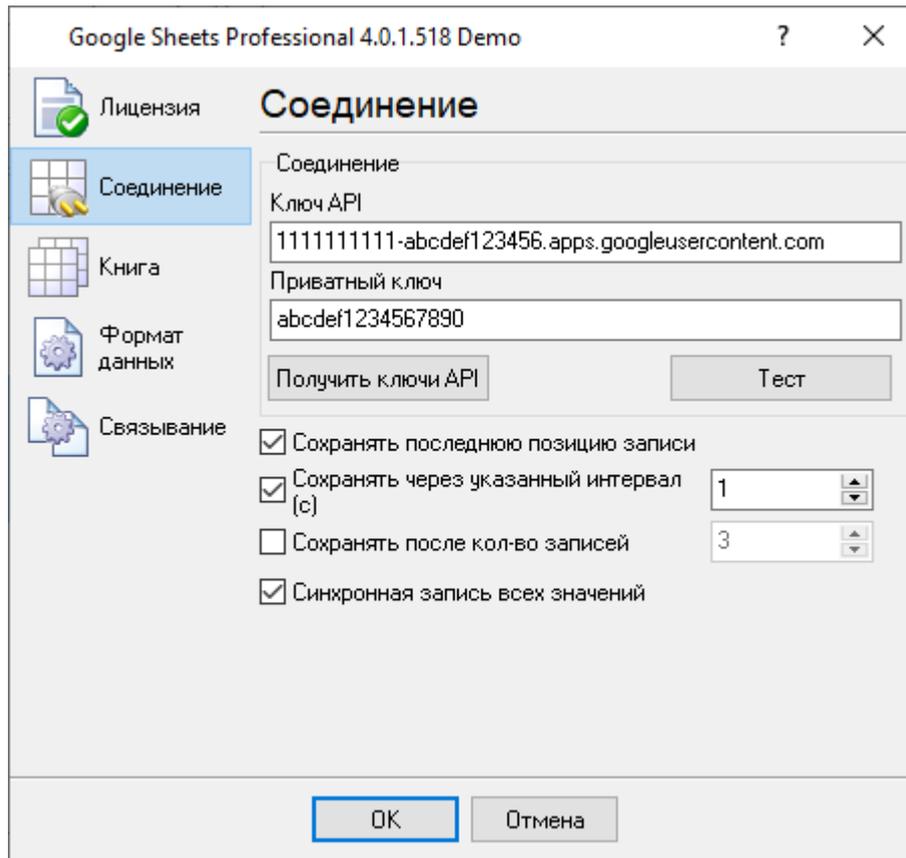
Sheets.

1. ( , Advanced Serial Data Logger).
2. " - ".
3. "Google Sheets Professional" ( . 1).



. 1.

4. " .
5. " ( . 2).



. 2.

Google Sheets

API,

Google.

Google Sheets.

Google Sheets, Google  
Google Sheets API.

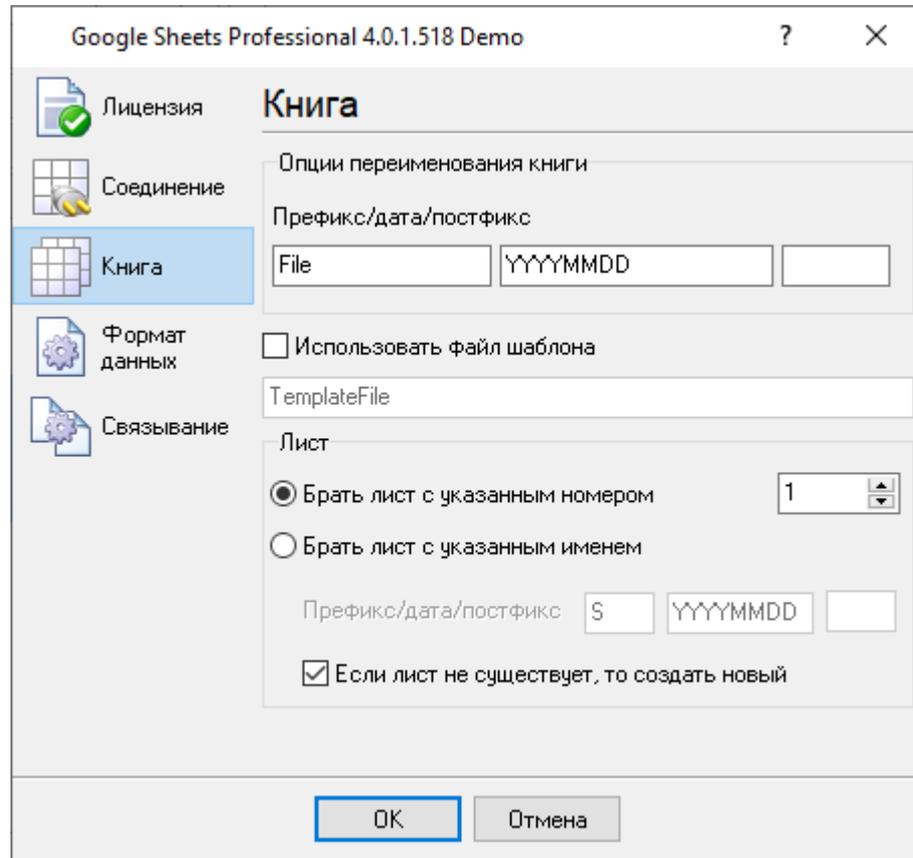
( ),

API.

(workbook)

(worksheet).

" ( . 3).



. 3.



**API** APIs & Services

- Dashboard
- Library
- Credentials
- OAuth consent screen
- Domain verification
- Page usage agreements

← Create OAuth client ID

A client ID is used to identify a single app to Google's OAuth servers. If your app runs on multiple platforms, each will need its own client ID. See [Setting up OAuth 2.0](#) for more information.

Application type \*  
Web application

[Learn more](#) about OAuth client types

Name \*  
My Google Sheets

The name of your OAuth 2.0 client. This name is only used to identify the client in the console and will not be shown to end users.

**i** The domains of the URIs you add below will be automatically added to your [OAuth consent screen](#) as [authorized domains](#).

**Authorized JavaScript origins** ?

For use with requests from a browser

+ ADD URI

**Authorized redirect URIs** ?

For use with requests from a web server

URIs \*

http://localhost:8888

+ ADD URI

CREATE
CANCEL

Fig. 4 Google API credentials

API", "Client secret" " " ( . 2) , "Client ID" "

5. [Google API](#) "Google Sheets API", API

API ( . 5).

Google Cloud Platform Translate

google sheet

**Google Sheets API**  
Google

The Sheets API gives you full control over the content and appearance of your spreadsheet data.

**ENABLE** TRY THIS API

OVERVIEW DOCUMENTATION SUPPORT

**Overview**  
Reads and writes Google Sheets.

**About Google**  
Google's mission is to organize the world's information and make it universally accessible and useful. Through products and platforms like Search Maps Gmail Android Google Play Chrome and YouTube Google

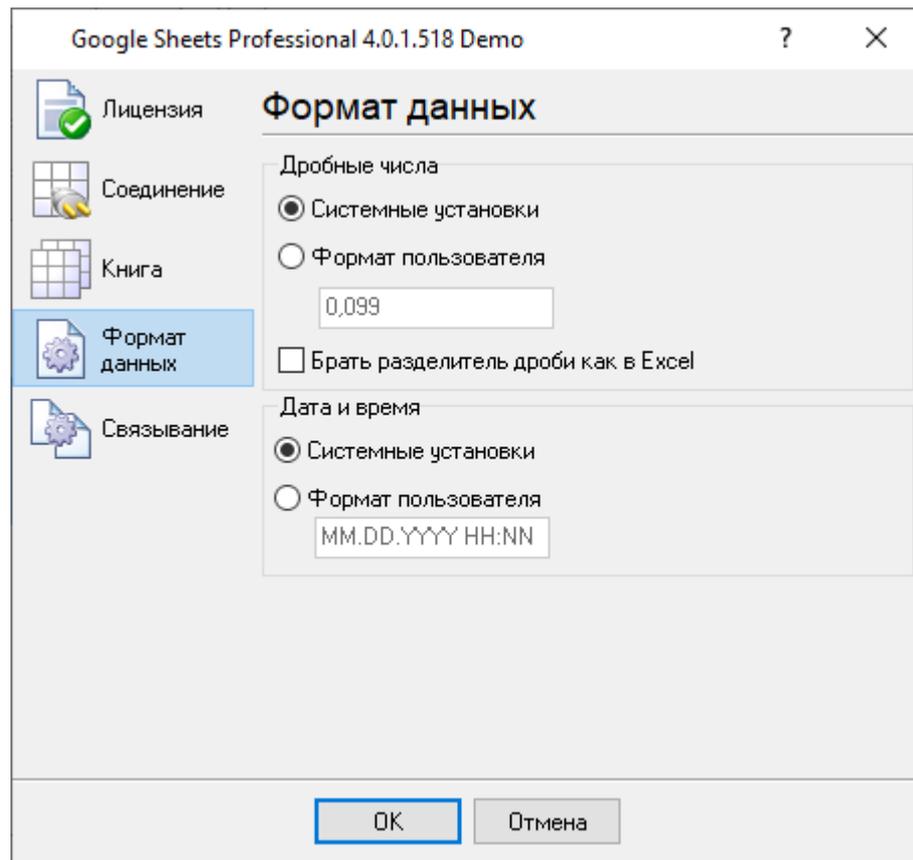
**Additional details**  
Type: [SaaS & APIs](#)  
Last updated: 3/19/21  
Category: [Google Workspace](#), [CRM](#)  
Service name: sheets.googleapis.com

**Fig. 5 Activating Google Sheets API**

6. Google Drive API. API
  7. " " ( . 2).
  8. Google.
  9. Google Sheets API Google Drive API
- Google. API ( ) Google API.

## 5.3

(Float) (DateTime). " ( . 6)



. 6.

d - , (1 - 31);  
 dd - , (01 - 31);  
 ddd - ( - ) ,  
 ;  
 dddd - ( - )  
 ;  
 m - , (1 - 12);  
 mm - , (01 - 12);  
 mmm - ( - ) ,  
 ;  
 mmmm - ( - ) ,  
 ;  
 yy - (00 - 99);  
 yyyy - (0000 - 9999);  
 h - , (0 - 23);  
 hh - , (00 - 23);  
 n - , (0 - 59);  
 nn - , (00 - 59);  
 s - , (0 - 59);

ss - , (00-59).

0 - , , 0.

# - , ,

. - , ,

" (Windows Control Panel) " (Number Format)  
" (International section).

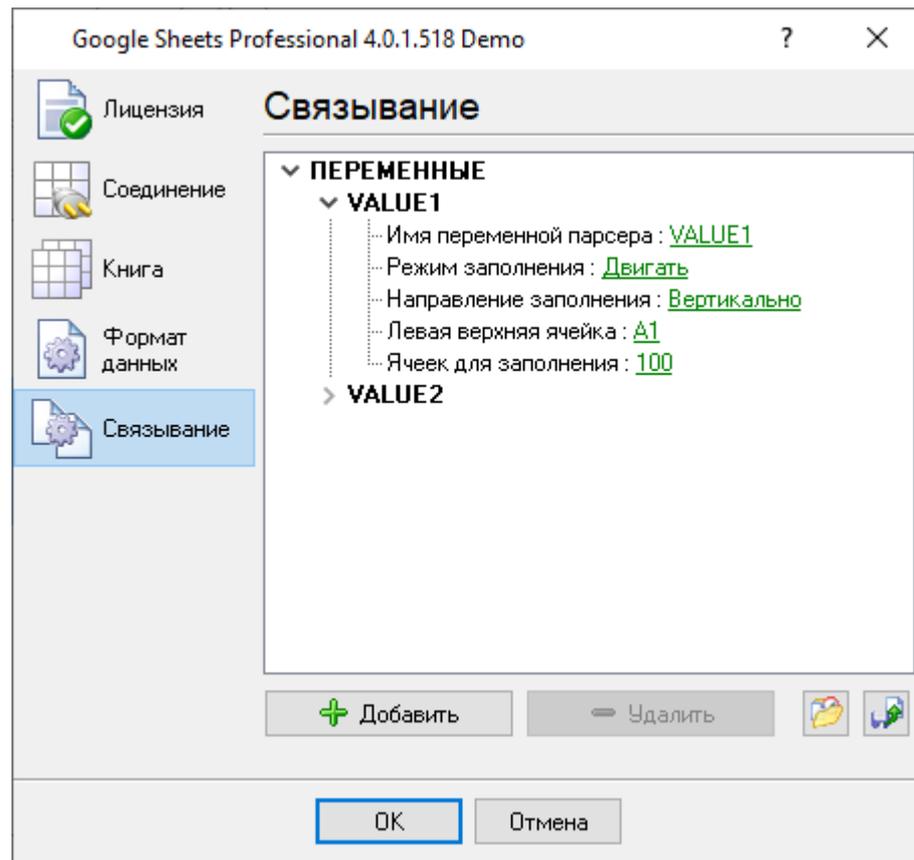
, - , ,  
" (Number Format) " (Windows Control Panel)  
" (International section).

E+ - , , 'E+', 'E-', 'e+', or 'e-'  
, , 'E+' 'e+',  
'E-' 'e-'.

'xx'/'xx' -

### 5.4

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( . 7).



.7.

"OK"  
( . . 7)

Google Sheets

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- , Microsoft Excel. A1

- {}.

A1.

"Expressions".

:

A{DEVICE\_ID} - A1 - A10,  
"DEVICE\_ID" 1-10.

- - ,

65535 1024

" "

"OK".

" "