



Sberbank
Markets

Sberbank Markets Installation Guide

SMS password authentication

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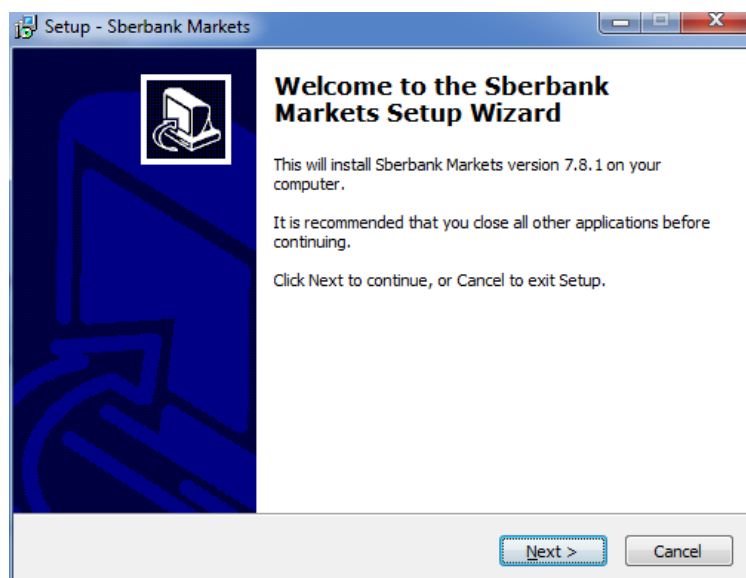
Sberbank Markets Installation with SMS Password Authentication

You have to complete the following procedure to start working in Sberbank Markets:

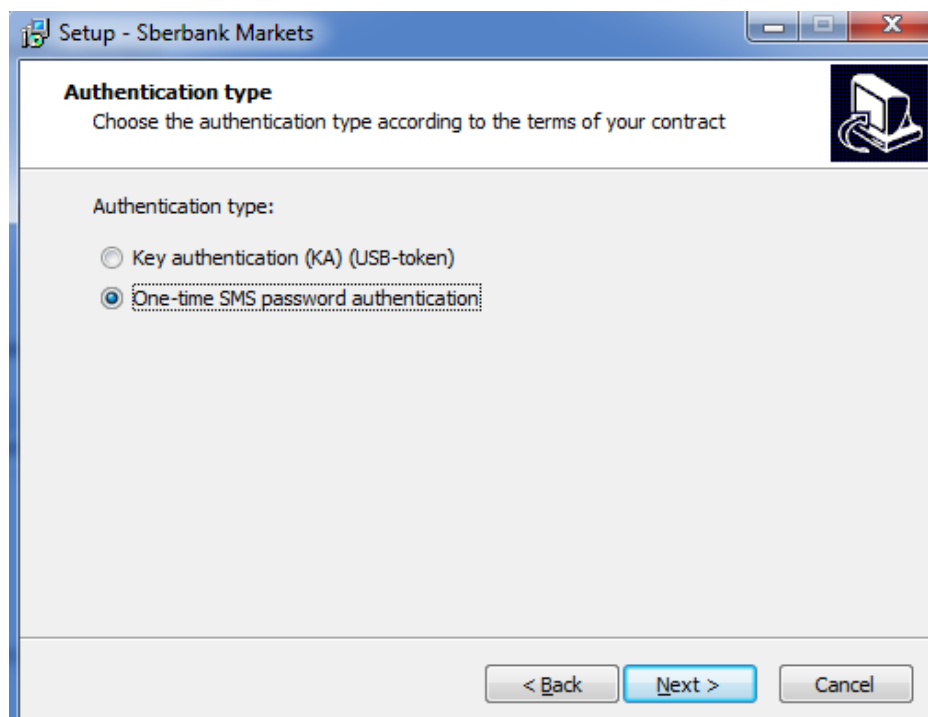
- 1) Follow the link to install the system [Sberbank Markets](#).
- 2) Create user keys using KeyGen file.
- 3) Send the pubring file to the Bank and wait for the confirmation of registration.
- 4) Start Sberbank Markets. Enter your login and password.
- 5) Enter one-time SMS-password. The terminal is ready to work.

Installing Sberbank Markets

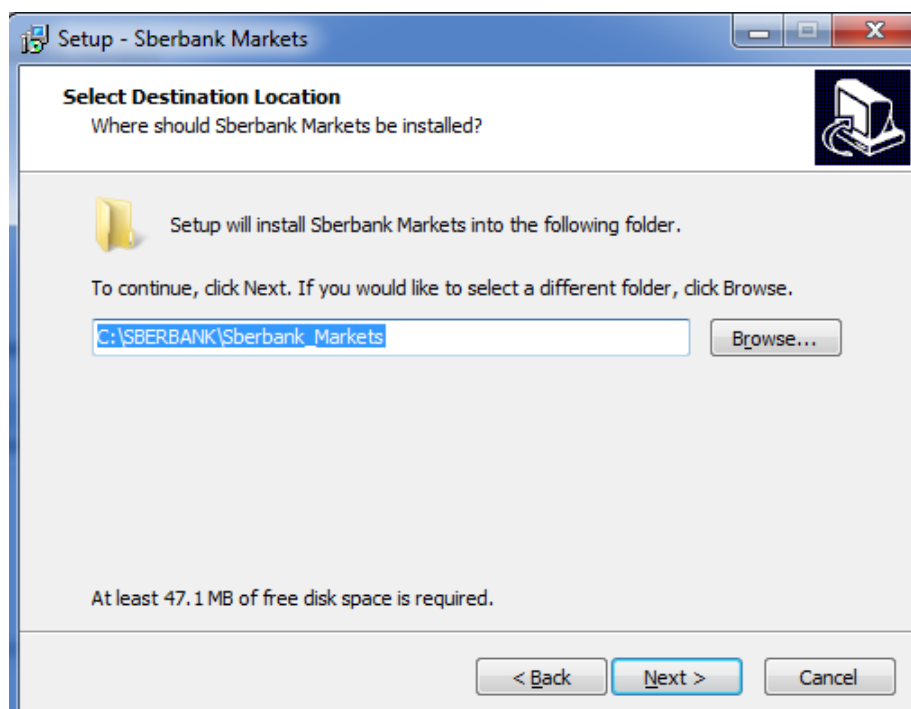
- 1) Follow the link to download [Sberbank Markets](#).
- 2) Open Sberbank Markets file with the extension **“.exe”**.
- 3) Press **“Next”**.



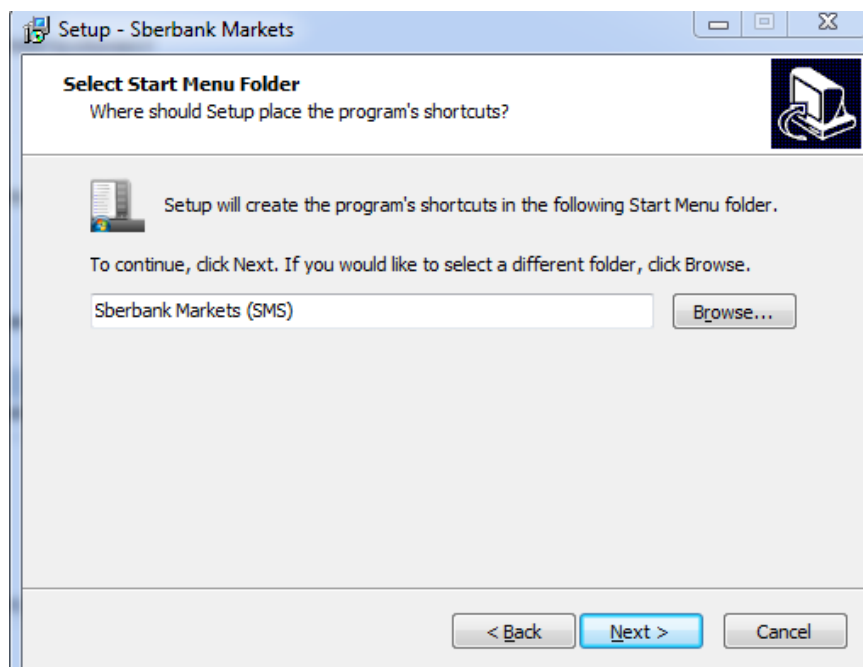
4) Select “One-time SMS password authentication” and press “**Next**”.



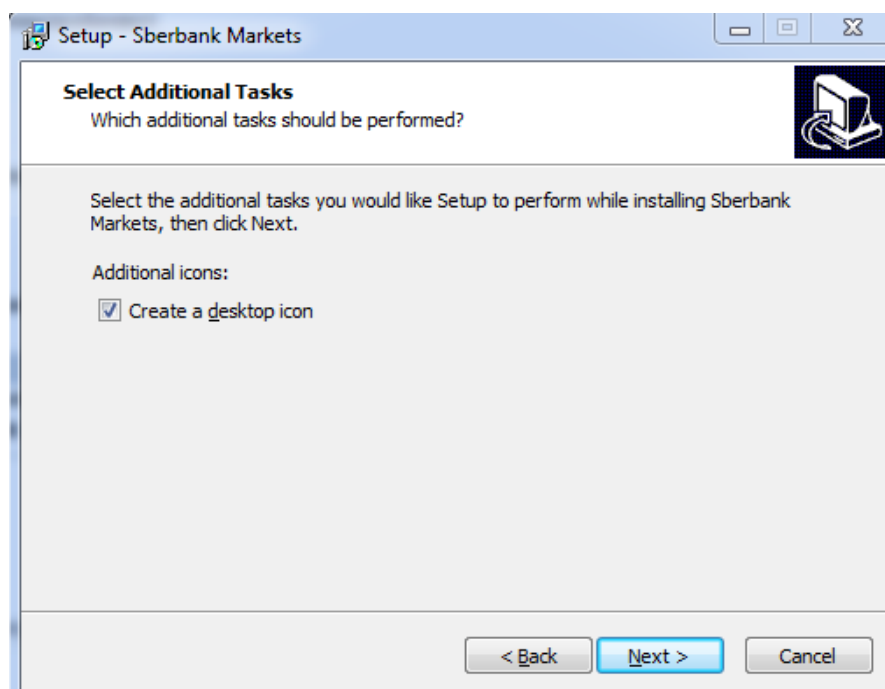
5) Select the Destination Location and press “**Next**”.



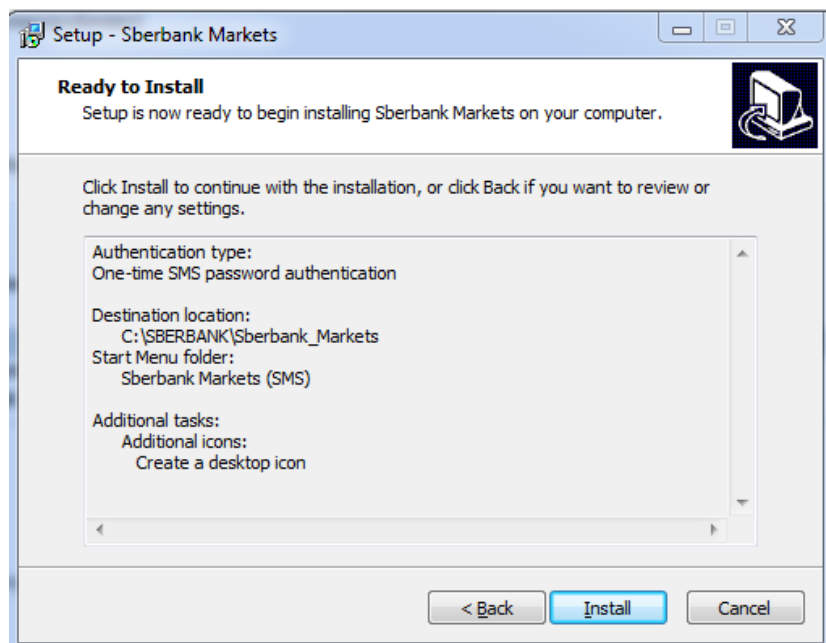
6) Select the Start Menu folder and press **“Next”**.



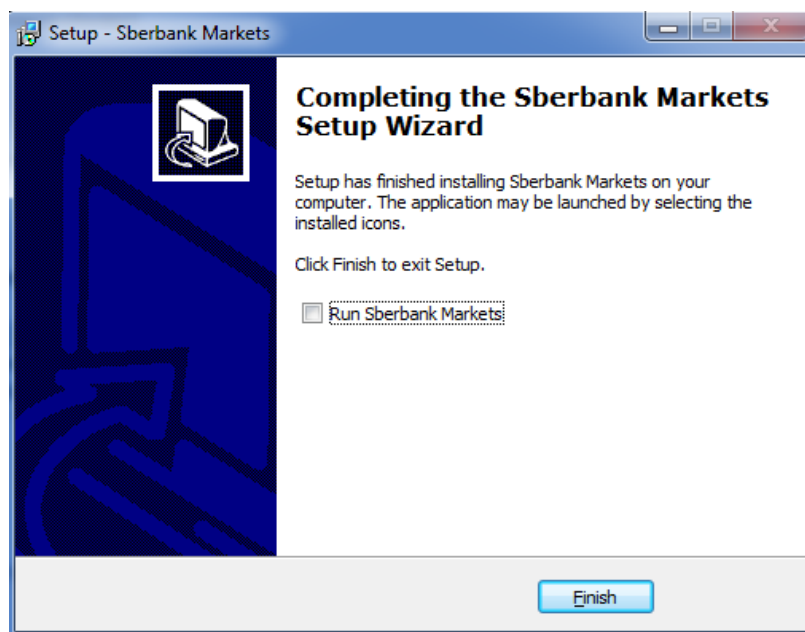
7) Select *“Create a desktop icon”* and press **“Next”**.



8) Check all the settings you made. If you need to correct anything, press **“Back”**. If everything is correct, press **“Install”**.



9) **Switch off** the option **“Run Sberbank Markets”** and press **“Finish”**.



Generating User Keys in KeyGen Program

Key generation program KeyGen is designed to create keys for cryptographic security of information. Generated keys are used to match server and user parts of the application system and to secure the information transmitted via the communication channels.

The key has two parts – **open (public) and closed (secret)**, which are named **pubring** and **secreing** respectively. Each part is a set of bits stored in a file with the special format. The public part is available for everyone, and the secret one **has to be kept in a secured place**. Promptly kept, the key ensures almost absolutely secured identification of its user and safeguards the transmitted information from being read or changed. The secret part of the key is additionally protected with the password.

The user needs both public and secret keys for the application system. The application system must have the access both to the user public key and to its own secret key.

Step 1: Define the owner's name and the password

Start KeyGen program from the “Start” menu (by default, **Start / All programs / Sberbank Markets (SMS) / Generate Key**) or the file “KeyGen.exe” (by default, it is stored in the same folder where Sberbank Markets was installed - **C:\SBERBANK\Sberbank_Markets_SMS\KeyGen**).



Creation of key - step 1

You start to create a pair of keys for a user. At first you should define the names of the files, which will contain these keys, owner's name (pointing the name of organisation is desirable) and a password for protection the secret key.

Fill in the name for a secret key

Fill in the name for a public key

Key owner's name

Password for protection the key

Enter your future **login** to the system

Enter the **Password**
(**5 characters min**)

Key owner's name is typed in Roman characters, should **not** contain “[“, ”]”, “|” symbols or word “sberbank”, and it will be checked **only** when you proceed to the next step. You are free to input any name you like.

ATTENTION!

This name will be your login to enter Sberbank Markets.

Next, press “**Next**”. Before you proceed to the next step, the following verifications are executed:

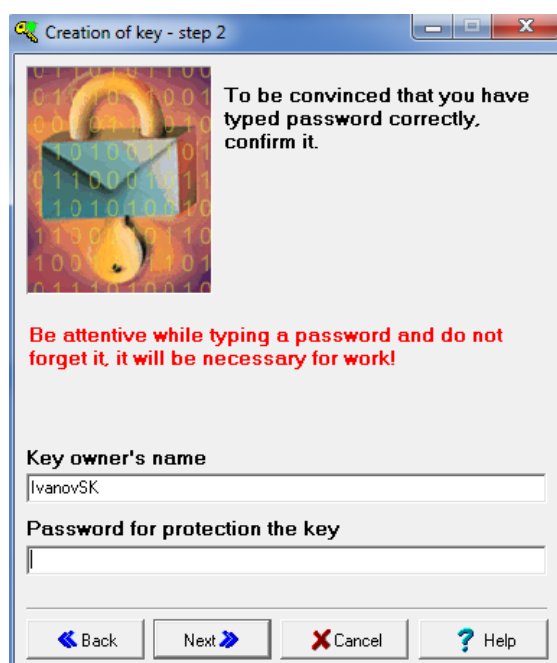
- 1) The password contains at least 5 symbols.
- 2) The file contains the secret (public) keys or not; if such keys are found, you will get a notification.
- 3) If public and/or secret keys files exist, they should contain the user keys with the specified name of the user. If such keys exist, you can add a new key, replace the existing one or select the new name via the special window which appears in this case. That works both for the public key and for the secret one.
- 4) If public and/or secret keys files do not exist, the program checks whether it is possible to create those keys. Most often, it is not possible because the file location is not found or because the name of the file contains special symbols.

The **password for secret key protection** is typed in the relative line; the length of the password is checked **only when the system proceeds to the next step**.

The **“Cancel”** button asks for confirmation to stop the process.

Step 2: Confirm the password

Enter the password for secret key protection once again at Step 2.



Key owner's name displays the name provided at the previous step.

The **password for secret key protection** is typed in the relative line and checked with the password provided at the previous step.

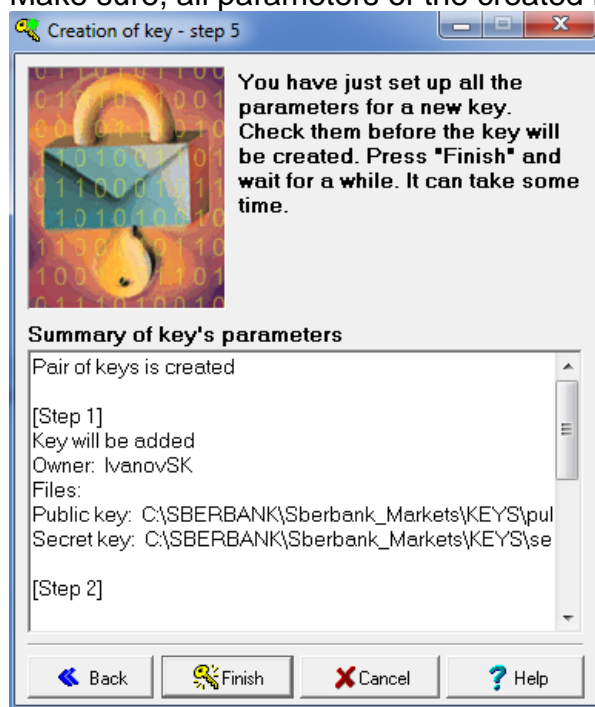
To proceed further, press **“Next”**. Press **“Back”** if you notice any mistake or if you like to change the password.

The **“Cancel”** button asks for confirmation to stop the process.

If everything is entered correctly, the program will send you straight to Step 5.

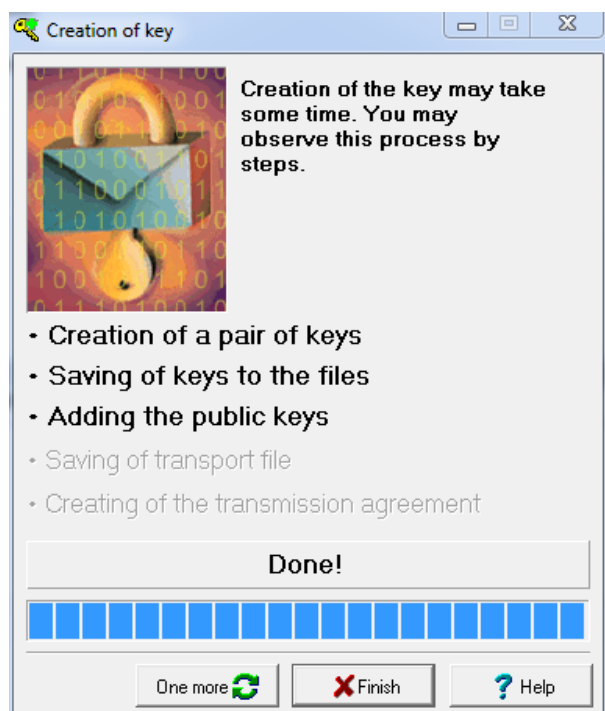
Step 5: Check the keys

Make sure, all parameters of the created key are correct and press **“Finish”**.



Step 6: Create the keys

Press **“Finish”** to close KeyGen, when the creation process is over.



Sending the Pubring File to Sberbank

You need to send the file **pubring.txk** generated at the previous step to **sbm.keys@sberbank.ru**.

This file is stored by default in C:\SBERBANK\ Sberbank_Markets_SMS\KEYS.

Please, pay attention:

- The email should be sent from the authorized email address **provided in the user application form (Appendix 3 to Sberbank Markets Electronic Trading Agreement)**.
- The subject of the email should contain the full name of the authorized person and the client code.
- The pubring.txk file should be attached.

Pay attention, when the key is registered you will receive an email with the confirmation of registration to you email address, and only after that you will be able to connect to Sberbank Markets.

Setting the Internet Connection

If the local security policy does not allow connecting to Sberbank Markets server directly, you have **to set up the access via proxy server in the terminal**. You can ask your administrator for the settings.

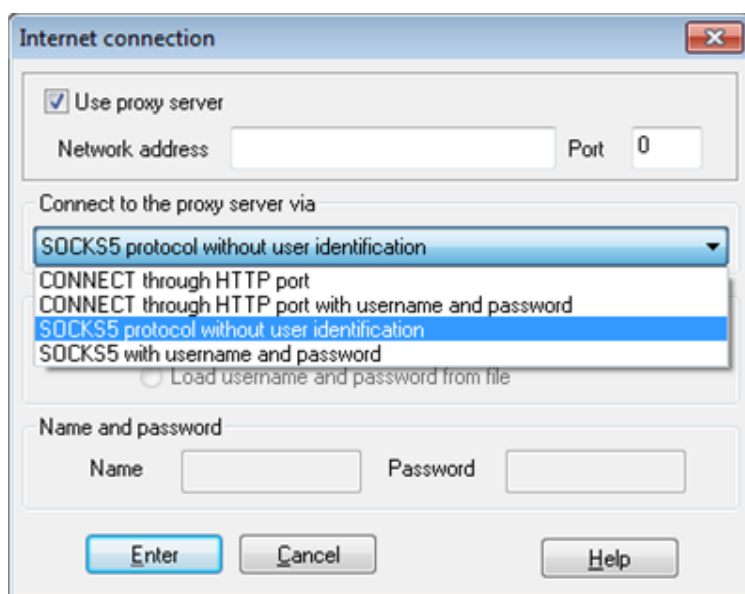
Sberbank Markets server IP/PORT:
194.54.14.177/15100

The connection using Proxy is possible via:

- SOCKS5 proxy
- HTTP proxy

The connection can be set up either with the password or without it.

For settings enter the terminal, press **System > Settings > Internet Connection**.



ATTENTION!


If the terminal cannot connect to the Internet after the connection settings are made, switch off Windows Firewall / Kaspersky Antivirus or add the internet connection of the terminal to the trusted ones.

Starting Sberbank Markets

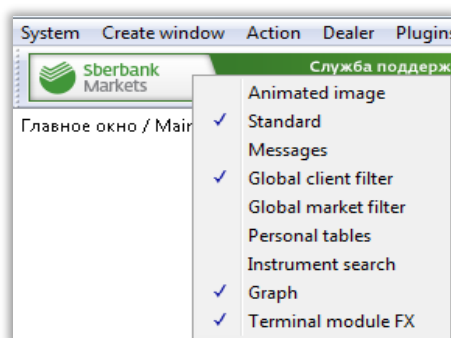
- 1) Start Sberbank Markets either by twice left-click on the Sberbank Markets shortcut on the desktop (by default Sberbank Markets (SMS)) or via the Main Menu (by default Start / All Programs / Sberbank Markets (SMS) / Sberbank Markets (SMS)).
- 2) Next, enter you Login and Password, which you provided at Step 1 during the process of keys generation, in the window “User Identification” and press “Enter”.
- 3) If your login and password are correct, you will be asked to enter one-time SMS-password. Enter the SMS-password, received to the phone number provided in the user application form (**Appendix 3 to Sberbank Markets Electronic Trading Agreement**). Press “Enter”.
- 4) The terminal is started and ready to work.

Main Interface Settings

Terminal Module FX panel

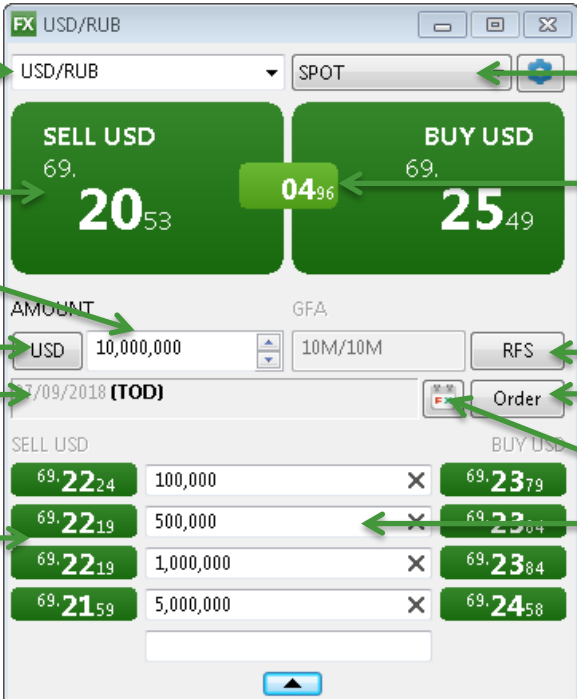
It is recommended to check that the Terminal Module FX panel  is visible among other instrument panels in the upper menu.

If the panel is not visible for some reason, right-click on the upper panel and select "Terminal Module FX" in the menu.



FX Window

To open a new FX window, press the  button on the Terminal Module FX panel  in the upper menu. The parameters of FX Window are described below:



The FX Window interface displays the following elements:

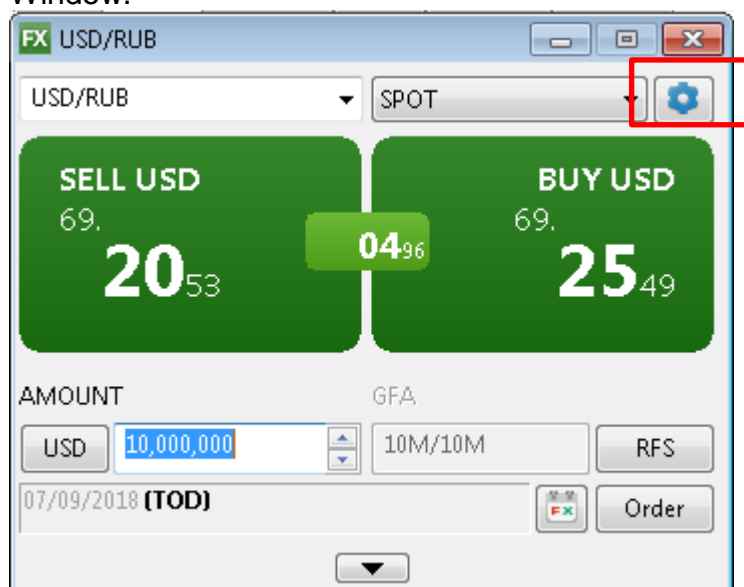
- Select currency pair:** USD/RUB
- Select instrument:** SPOT
- Current ask price:** 69.20⁵³
- Current spread:** 04⁹⁶
- Currency amount:** 10,000,000
- Select currency:** USD
- Settlement date:** 7/09/2018 (TOD)
- Price for specified amount:** 69.22²⁴
- Request for streaming:** RFS
- Create order:** Order
- Select settlement date:** 7/09/2018 (TOD)
- Specified amount:** 100,000

ATTENTION!

If you see "RFS" instead of active prices when the program is started for the first time, select the currency pair once again in the drop down list.

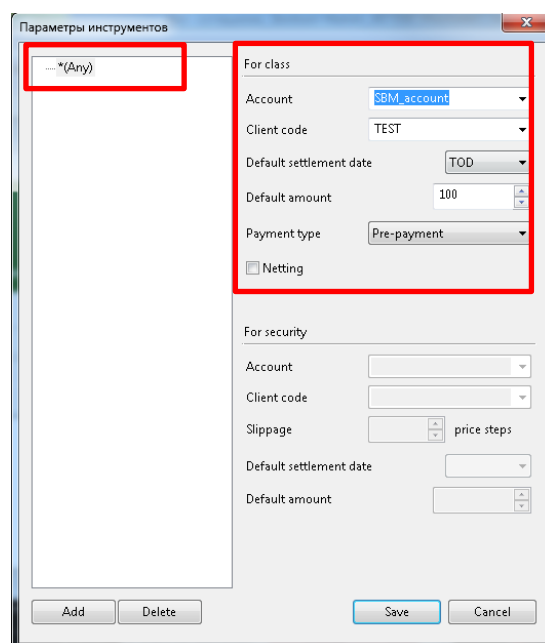
Default Order Parameters Setting

Before starting work, it is recommended to set the default order parameters which will be filled in automatically each time the order is set. To do this, press “Settings” button in the FX Window.



In the pop-up window, select “*(Any)” and set the following fields:

- **Account** – conditional client name in the trading system (by default it is always SBM_account).
- **Client code** – the conditional legal entity name that grants trading rights to the user. If the user trades for several companies, it is recommended to keep this field empty in order to indicate the Client Code when the order is set for a particular company.
- **Default settlement date**
- **Default amount**
- **Payment type** – trade payment type. Pre-payment is a trade with pre-payment. Free-Delivery is a trade with free payment (cash transfer is carried out without counter payment).
- **Netting** – indicates whether payments in the chosen currency participate in payment netting¹.





ATTENTION!

1. The standard payment type is **Pre-Payment**. Free-Delivery type is available as agreed by the client manager.
2. By default netting is disabled (no tick in the corresponding field). Use of netting is available as agreed by the client manager in the Bank.

¹ Mutual trade obligations netting



The results of trader's activity are displayed in the FX-Trades table and in the FX-Orders table.

New FX-Trades Table

FX-Trades table opens when the terminal is started for the first time after installation. To open a new FX-Trades table, press the  button on the Terminal Module FX panel  in the upper menu.

You can leave the default settings in the pop-up window unchanged and simply press "OK".

New FX-Orders Table

The FX-Orders table shows trader orders and their parameters, including order terms, order status and rejection reasons. FX-Orders table opens when the terminal is started for the first time after installation. To open a new FX-Orders table, press the  button on the Terminal Module FX panel  in the upper menu.

You can leave default settings in the pop-up window unchanged and simply press "OK".

YOUR TERMINAL IS READY FOR THE FIRST TRADE!

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