

Robominer User Manual

What is Robominer?

Welcome to Robominer, an automated foreign exchange trading system, or **Expert Advisor**, that runs on the **Metatrader 4** platform. Before you can use Robominer, you must download Metatrader 4 from a broker, and open an account. A demo account is recommended for those learning foreign exchange or getting started with Robominer.

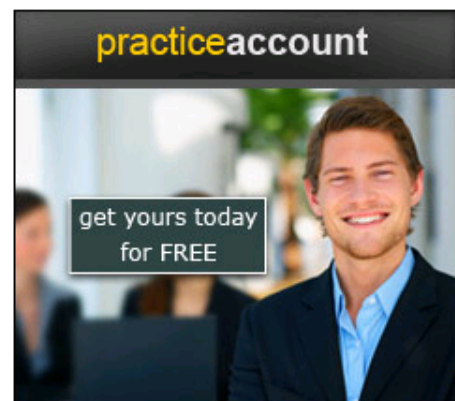
A. Installing Metatrader 4

1. Navigate to the *Interbankfx* Home Page at <http://interbankfx.com/Default.aspx>.
2. On the *Interbankfx* Home Page, click on the **practiceaccount** box.
3. On the Demo Account page, fill out the form to **Request a Demo Account**. Be sure to specify Metatrader 4 under **Platform Version**.
4. Press **Submit Request**, and a pane will appear telling you whether your request was successful. Press the **Download MT4 Platform** button to start the download, and save the file to your desktop or in a convenient folder.

For details about using the many features of Metatrader 4, visit Interbankfx University at <http://interbankfx.com/lbfu/Default.aspx>.

Getting Started


MetaTrader 4 can be downloaded from any broker that uses the platform to manage its customers' foreign exchange trading. The steps in opening a demo account and downloading the platform are outlined here, using the *Interbankfx* version for demonstration purposes.



Request a Demo Account (*required field)

*First Name <input type="text"/>	*Last Name <input type="text"/>
*Country <input type="text" value="Select Country"/>	*City/Town <input type="text"/>
*State / Region <input type="text"/>	*Phone <input type="text"/>
*Platform Version <input type="text" value="Select Platform"/>	*Email Address <input type="text"/>
Trading Experience <input type="text" value="Select Option"/>	How did you hear about us? <input type="text" value="Select Option"/>

Please provide a valid email address.
Platform download links will be emailed to the address you provide.




Successfull Request

Thank You John Doe

You will recieve an email containing a link to the platform. If you would like to download it immediately, use the link below.

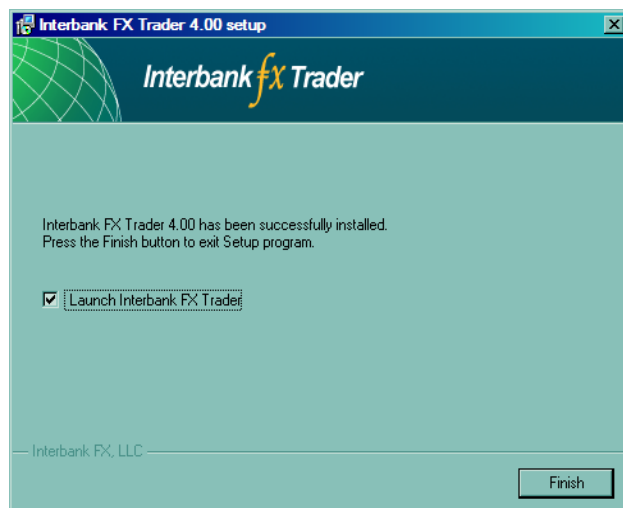
***Note, if you don't see an email from us in your inbox, you may want to check your bulk or junk folder, as it may end up there.



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5. Double click on the MT4.exe icon to install the Metatrader 4 platform. After a series of preliminary setup screens, the final screen of the **Interbank FX Trader setup** sequence will appear. Press **Finish** and Metatrader will launch.

N.B. Bear in mind that the installation procedure and screens will vary from broker to broker, as the MT4 platform is customized for each broker.



6. The **Open An Account** dialog box will appear when the MT4 platform opens. Fill in the information for your Demo Account. Before you can proceed you must check the box indicating that you agree to subscribe to the broker's newsletters.

N.B. For trading 2 currency pairs, you may wish to open a standard account with 1:200 leverage and a \$3,500 deposit, or a minimum of \$2,000 for just the AUDNZD and \$2,500 for just the EURCHF.

7. Click **Next**, and you will be taken to a screen showing one or more servers to which your platform will be connected for trading. Select a server, if necessary, and click **Next**.

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8. Details of your demo account will now appear in the **Registration** window. Make a note of the Login, Password, and Investor information. Then press **Finish**.

Open an Account ? X

Registration
Wait a little, please

Name: John Doe
Account Type: demostandard (1:200)
Deposit: 10000
Server: InterbankFX-Demo Accounts

Login: 1782160
Password: vjgm7vo
Investor: lauh4en (read only password)

Please keep your username and passwords in a safe place.

< Back Finish Cancel

9. The Metatrader 4 platform window will now open. Depending on your broker's customization, one or more currency pair **charts** may be open in the window. You may close these for the time being by clicking on the **x** in the upper left corner of each chart pane.

Navigator x

- Interbank FX Trader 4
 - Accounts
 - 1782160: John Doe
 - Indicators
 - Expert Advisors
 - Custom Indicators
 - Scripts

Common Favorites |

Market Watch: 18:59:54 x

Symbol	Bid	Ask
USDCHF	1.1335	1.1339
GBPUSD	1.9840	1.9844
EURUSD	1.4599	1.4601
USDJPY	111.70	111.73
AUDUSD	0.8770	0.8775
USDCAD	0.9927	0.9932
EURGBP	0.7357	0.7360
EURCHF	1.6550	1.6554
EURJPY	163.09	163.13
GBPJPY	221.60	221.69
GBPCHE	2.2489	2.2498
EURAUD	1.6641	1.6649

Symbols Tick Chart |

10. If they do not appear in the MT4 window, open the **Market Watch**, **Navigator**, and **Terminal** panes by pressing Control+M (for Market Watch), Control+N (for Navigator), and Control+T (for Terminal). These panes can also be opened from the **View** menu.

Order	Time	Type	Size	Symbol	Price	S / L	T / P	Price	Commission	Swap	Profit
Balance: 10 000.00 Equity: 10 000.00 Free margin: 10 000.00											0.00
Terminal											
Trade Account History Alerts Mailbox Journal											

11. Under the Market Watch window, right click on the word "Symbol" and click on "Show All" to display all currency pairs. Finally under the **Tools** menu, select "Options," click on the "Charts" tab, and uncheck "Save deleted charts to reopen." Press OK.

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Installing Robominer

1. Navigate to the *Forex-Goldmine* Home Page at <http://forex-goldmine.net/>. Click on Member Login under Main Menu.
2. Enter Your User ID and Password to Log in, or click on the Join Now link to obtain a User ID and Password.
3. Once you have logged in, click on Member Downloads under Main Menu. Click on Robominer Expert Advisor under Free Downloads and follow the instructions to download the Expert Advisor.
4. Open the Zip file and extract the Robominer.ex4 file to the /experts folder in the folder in which Metatrader was installed.
5. If Metatrader was running, close it now and restart. From the Market Watch (Control-M), select AUDNZD to open the first chart. It will display with a 1 hour (H1) timeframe.
6. Display the Navigator (Control-N or View→Navigator). Drag the Robominer from the Expert Advisors branch of the Navigator tree onto the open AUDNZD chart.
7. In the open Robominer dialogue box, under the Common tab, place a check beside Allow Live Trading. This will allow the Robominer Expert Advisor to trade on the chart.
8. Under the Inputs tab, enter the unlock code—21434229268640 for the demo version—in the appropriate space. This will unlock the Robominer Expert Advisor. Press OK to close the dialogue box.
9. To turn on Expert Advisors, ensure that the Expert Advisors button on the Metatrader toolbar is green. If it is red, click on it so that it turns green. In the upper right corner of the chart, the word Robominer should appear, followed by a happy face ☺.
10. If an x appears in place of the happy face, double check that the Expert Advisors button on the Metatrader toolbar shows a green hat and arrow. Click on it if it does not.
11. If a frowny face ☹ appears in place of the happy face, open the dialogue box (by pressing F7), click on the Common tab, and make sure that there is a check next to Allow Live Trading. Press OK to close the dialogue box.
12. To trade on a second currency pair, repeat steps 5-8, substituting EURCHF for AUDNZD. In addition, change the first digit of the magic number in the second dialogue box (on the EURCHF chart) in order to avoid conflict with trades opened on the other pair (AUDNZD).

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Using Robominer

Robominer user settings are made in the dialogue box. To open the dialogue box, select the chart on which you want to adjust Robominer settings, and press F7. Once you have made changes to the settings, save the new settings by pressing OK.

User Settings

DisplayLevel (default = 0)	
UnlockCode	Enter the unlock code that you received in the UnlockCode field. Robominer will not function without a proper unlock code.
AllowForSpread (default = true)	Adjusts the trade ranges to allow for broker spread.
DoTrades (default = true)	The default value of true will allow Robominer to open trades. If this is set to false, Robominer will be turned off, and will not open any new trades.
BalanceFactor (default = 0.0)	A value of 0.0 allows Robominer to calculate lot size from the actual account balance. A value of 2000 or greater forces Robominer to calculate lot size from the BalanceFactor value. Robominer will increment the number of lots traded every time the balance reaches a multiple of this amount. The higher the value, the more conservative the lot size progression.
Lots (default = 0.0)	A value of 0.0 allows Robominer to calculate lot size from the BalanceFactor. Any other value sets a fixed lot size.
MagicNumber1	The number series assigned to trades opened so that Robominer can control exits. If Robominer is attached to more than one currency pair, the first two digits of magic numbers must be changed so that each instance of Robominer will control its own trades. Use this feature when trading on both AUDNZD and EURCHF.

Money Management and Safety

Robominer is designed to be as safe as possible, although no forex trading system can be 100% safe. Consequently, it is highly recommended that users withdraw ½ of any profits generated at the end of each month from their

accounts, and set this money aside. This should be done until an amount equivalent to the original investment has been withdrawn. At this point, only profits are being traded, and the original principal can no longer be lost.

If BalanceFactor is being used to calculate lot size on a single pair, it should be set to \$2000 or higher so that no more than 0.01 standard lots are traded per \$2000 of account balance. When Robominer trades both the AUDNZD and EURCHF pairs and BalanceFactor is used to control lot size, BalanceFactor must be set to a value of at least \$3500.

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How Robominer Works

The objective in designing Robominer was to achieve a risk level in forex trading comparable to other forms of investment. The method used by Robominer is grid trading, and the pairs selected exhibit relatively narrow historical trading ranges—in each case, a total range of about 2640 pips. This 2640 pip range is divided into 66 sub-ranges, corresponding to the size of an average wave in each pair.

Above the centre point of the range, Robominer opens only sell (short) trades, and below the centre it opens only buy (long) trades. If the pair remains within its 2640 pip historical range, no more than 33 trades can remain open at a loss, creating a drawdown on the account balance. (No trade will be closed until it is 40 pips in profit.) The total accumulated drawdown for AUDNZD would then be \$1525 (\$2319 for EURCHF). As long as the account balance covers this potential drawdown (plus an extra margin of safety), the likelihood of a margin call and loss of funds is kept to a manageable minimum.

Robominer will open long positions when the price is below the centreline and short positions when the price is above the centreline, closing each trade when it reaches its profit objective (50 pips). Trades that remain open will not result in a margin call as long as the drawdown is covered by the account balance. To ensure that the drawdown is not exceeded, the default BalanceFactor and LotSize values should be used. We recommend trading both pairs (AUDNZD and EURCHF) if possible for an added measure of safety.

When Balancefactor is set to zero, Robominer operates as if the balance

were \$3,500 as long as the actual account balance remains relatively low. This figure is increased by steps up to a maximum \$7,500 when the actual account balance reaches \$100,000 and safety becomes more important than growth.

Details of the calculations involved in the design of Robominer are given in the document titled "Proof."

Automated Balance Factor Settings

Account Balance	Operating Balance
\$12,000 or less	\$3,500
\$12,000 to \$22,500	\$4,000
\$22,500 to \$35,000	\$4,500
\$35,000 to \$60,000	\$5,000
\$60,000 to \$100,000	\$6,000
\$100,000 and over	\$7,500

Broker Requirements

When selecting a broker for live trading, please bear in mind that Robominer requires a broker that is not a dealer desk. This requirement is important since Robominer never loses trades. Consequently if the broker is taking trades against you (i.e., is a dealer desk), it will always lose. This results in a hostile relationship with the broker, who may then refuse to pass through Robominer trades.

The broker should have micro lot trading capabilities (i.e., be able to accept .01 lot trades), and should offer at least 200:1 margin leverage. Lastly, the broker should be big enough that it is not in danger of closing. At this time, we can recommend IBFX and FXDD.