



トヤマト

Toyamoto X EA

Fully automated forex robot

User manual · Expert Advisor · MetaTrader 4 / MetaTrader 5
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Not a holy grail. No robot, indicator or strategy wins all the time. Every Toyamato product is a tool: it can have losing trades, losing weeks and losing months. Results depend on the market, your broker, your settings and your risk. Always test with the free demo first and never trade with money you cannot afford to lose.

1. What Toyamato X EA does

Toyamato X EA is a fully automated Expert Advisor for MetaTrader 4 and MetaTrader 5. It looks for entries with Bollinger Bands, RSI, Stochastic and MACD, optionally filtered by ADX, and manages its trades as a basket: either as a limited **grid** or as a **martingale** series. The basket closes at a profit target or with a trailing stop, and every trade has its own stop loss. Drawdown, news, spread, candle, time, Friday and holiday filters protect the account.

The robot stores its internal state (cycle, martingale step, trailing, lockouts) in MetaTrader global variables, so it continues where it left off after a restart. The panel is available in 14 languages: English, German, French, Spanish, Italian, Dutch, Polish, Czech, Slovak, Hungarian, Romanian, Croatian, Slovenian and Indonesian.

2. Installation (MT4 / MT5)

▲ Important - follow this order

1. *Tools > Options > Expert Advisors*: tick *Allow WebRequest for listed URL* and add **both** addresses:
<https://api.gumroad.com> (license check)
<https://nfs.faireconomy.media> (news calendar)
2. **Restart MetaTrader** (close it completely and open it again). The license check works only after this restart.
3. Only then attach the robot to a chart and paste your license key.
4. If the panel shows *No connection to license server*: **restart MetaTrader once more**.

1. In MetaTrader click *File > Open Data Folder*.
2. Copy the robot into `MQL4\Experts` (MetaTrader 4, file `.ex4`) or `MQL5\Experts` (MetaTrader 5, file `.ex5`). Use the file for the platform you bought.
3. *Tools > Options > Expert Advisors*: tick *Allow WebRequest for listed URL* and add
<https://api.gumroad.com> (license check) and <https://nfs.faireconomy.media> (news filter).
4. **Restart MetaTrader** (close it completely and open it again).
5. Turn on *AutoTrading* (MT4) or *Algo Trading* (MT5) in the toolbar.
6. Drag the robot onto a chart, allow live / algo trading on the Common tab and press OK.

MetaTrader must stay running for the robot to work, so a VPS is recommended for continuous use.

3. How the license works and activation

How the license works - please read

1. **Before you pay**, you type your **2 MetaTrader account numbers** (live or demo, you decide) on the Gumroad checkout page.
2. **After payment** you receive the files and **one license key** - on screen and by e-mail.
3. You **paste the license key** into the robot (input `License_Key`).
4. The software checks the key online and runs **only on these 2 account numbers**.
5. It works on **any computer or VPS** - at home, on a laptop or on a VPS, even on several at once. Only the account number counts.
6. The computer needs internet, and <https://api.gumroad.com> must be allowed in MetaTrader (*Tools > Options > Expert Advisors > WebRequest*).
7. **The 2 account numbers cannot be changed later**. A different account is only possible with a **new purchase**.

Step by step

1. **Enter your 2 account numbers at checkout.** On the Gumroad checkout page, type the 2 MetaTrader account numbers (live or demo) into the *Account number 1* and *Account number 2* fields. Check them twice – they cannot be changed later.
2. **Get your key and files.** After payment Gumroad shows your license key and sends it by e-mail with the download link. Download the MT4 or MT5 version you bought.
3. **Install** the robot as described in chapter 2: allow both WebRequest addresses and **restart MetaTrader** before you attach the robot.
4. **Log in to one of your 2 accounts.**
5. **Enter the key.** Drag the robot onto a chart, paste your license key into the `License_Key` input and click OK.
6. **Done.** The robot checks the key and your account number. The panel shows *License active*, and you can use the robot on any number of charts of your 2 accounts, on any computer or VPS.

Panel message	Meaning
License active	Key valid, this account is one of your 2 accounts.
Account not licensed	This account number is not one of the 2 numbers entered at checkout. The robot opens no new trades.
License deactivated	The purchase was refunded or charged back.
No connection to license server	No internet, WebRequest not allowed, or MetaTrader was not restarted after allowing it – restart MetaTrader . The robot keeps working for a few days, then pauses new trades until the check succeeds.

On an account that is not licensed the robot opens no new trades; positions that are already open are still managed and closed. Keep your license key safe – it is your proof of purchase.

4. First start and the panel

After the start the panel appears in the top-left corner of the chart. It shows the product name and the license state at the top, then the open baskets, profit, drawdown, the next news, the active filters and the lot size. Next to the panel there is a small Toyamoto logo, which you can switch off with `Show_Logo`. The panel button for break-even close closes the basket as soon as it reaches 0 profit.

Choose the panel language with `UI_Language`. If a filter is blocking new trades (news, time, spread, lockout), the panel shows why.

5. How the trading logic works

Entry signals

You decide which of the four direction signals are used (Bollinger, RSI, Stochastic, MACD). With **AND** every active signal must agree, with **OR** one is enough. The optional ADX filter gives no direction: it only allows a trade when the trend strength is above the set level. By default the robot trades

counter-trend (buy at the lower band, sell at the upper band). Set `Trend_Follow_Mode = true` to trade with the trend.

Grid mode (default)

The robot opens the initial trade(s) and can add a limited number of add-on trades when the price moves further against the basket, at the set distances. The basket closes together when the profit target is reached or the trailing stop is hit.

Martingale mode

With `Use_Martingale = true` there is no grid. The robot holds one trade per direction, and after a losing trade it raises the next lot by the multiplier, up to the maximum series length. After the series ends with a loss, the lockout pauses the robot.

Grid and martingale add trades or raise the lot while the market moves against you. They can lose a lot of money in a short time. Always use a stop loss and a drawdown limit.

Basket close

Mode 1 closes at a fixed target. Mode 2 (default) switches on a trailing stop once the threshold is reached and then follows the price. Thresholds are set in pips relative to the closing moving average and/or in % of equity.

6. Protection

- **Drawdown limit** – closes all of the robot's own trades when its drawdown reaches `Max_DrawDown_Percent` (default 40%), with an optional lockout.
- **Stop loss and broker-side take profit** on every trade.
- **Spread filter** – no entries above the maximum spread.
- **Candle shield** – no add-on trades right after a very large candle or spike.
- **Loss lockout** – pause after a number of losing trades or a losing martingale series.
- **Trading time window, Friday rules and holiday break** (15 December – 15 January).
- **Cycle % close** – closes everything at a cycle profit or loss in % of equity.
- **Connection monitor** and **Magic Group lock** (only one robot of the group trades at a time).

7. Magic Number and several charts

Important

One unique Magic Number per chart. Every copy of Toyamoto X EA needs its own Magic Number (`MagicNum`) that no other EA in the same MetaTrader uses. If two EAs share a Magic Number, they manage each other's trades.

Several charts = more risk. Each chart trades independently, so several baskets can be open at the same time. The drawdown limit of each copy only watches its own trades, not the whole account. Use smaller lots, and add an account-level protection such as the free **Toyamoto Account Guardian**, which watches the whole account.

8. News filter

The robot downloads the weekly economic calendar from

https://nfs.faireconomy.media/ff_calendar_thisweek.json (the same data as the ForexFactory calendar: <https://www.forexfactory.com/calendar>). Only news of the two currencies of the chart symbol is used. From `Hours_Before_News` before until `Hours_After_News` after a filtered news event the robot opens no new trades. Open baskets are still managed.

- News lines and pause zones are drawn on the chart (red = high, orange = medium, yellow = low impact).
- The calendar is refreshed every 60 minutes (never more often than every 30 minutes).
- The GMT offset of your broker is found automatically (`Auto_GMT`).
- After each successful download the robot also saves the calendar to the common data folder as `Toyamoto_ff_calendar.json` , so the news filter of Toyamoto Breakout Zone can use it.

WebRequest is not available in the Strategy Tester, so the news filter is always off in backtests. This is a MetaTrader limitation. If WebRequest is not allowed (error 4060), the news filter cannot work.

9. Recommended pairs, timeframes and deposit

Recommended pairs / timeframe	AUDCAD M30 or CADCHF M30 or NZDCAD H1*
Recommended minimum deposit	200 USD*

* Based on the author's own testing. Not a guarantee of results; other pairs and timeframes are possible. A higher deposit gives more room for drawdown. Always start on a demo account and use money you can afford to lose.

10. All settings

The settings are grouped in numbered chapters in the input window. The MT4 and MT5 versions have the same settings. The most important ones:

Setting	Default	What it does
License_Key	(empty)	Your Gumroad license key (full version). Not needed in the demo.
UI_Language	English	Language of the panel, messages and chart labels.
DailyProtect	false	Loss lockout in grid mode.
Cooldown_Hours	24	Lockout length after losses / a martingale series.
Max_Daily_Loss_Trades	2	Losing trades within the window that trigger the lockout.
MagicNum	1287	Unique ID of this copy (max 4 digits, not 0). Use a different number on every chart.
Use_Magic_Group_Lock	false	Only one robot of the magic group trades at a time.
Long_Candle_Shield / Mode / Pips	true / range / 35	Blocks add-on trades after a large move.
Trend_Follow_Mode	false	false = counter-trend, true = trend following.
Use_Bollinger, BB_Period, BB_Deviation	true, 22, 2.0	Bollinger signal and its settings (also shift, price, timeframe, signal bar).
Signal_Combine_Mode	AND	How the direction signals are combined (AND / OR).
Allow_Same_Bar_Reentry	true	Allows a new entry on the same bar.
Use_ADX, Buy_Filter, Sell_Filter	false, 45, 40	ADX strength filter and minimum levels.
Use_RSI, RSI_Buy_Level, RSI_Sell_Level	true, 40, 65	RSI signal and levels.
Use_Stoch, Stoch_Mode	false, v3	Stochastic signal; standard or v3 logic with own levels.
Use_MACD, Macd_Fast/Slow/Signal	true, 12/26/9	MACD signal.
Ma_Period	25	Closing moving average period.
Profit_kat	2	1 = fixed target, 2 = trailing close.
TrailingStop	25	Trailing distance in points.
Buy/Sell_Profit_Amount_Pips	5.0	Profit target / trailing threshold in pips.
Buy/Sell_Profit_Amount_Percent	1.0	Profit target / threshold in % of equity (0 = off).
Menu_BE_Exit	false	Close the basket at break-even (also a panel button).
Buy/Sell_max_Spread	30	Maximum spread in points for entries.
Buy/Sell_Stop_Loss_Pips	25 / 30	Stop loss per trade in pips (0 = none).
Hard_TP_Mode, Hard_TP_SL_Multiplier	SL multiple, 2.0	Broker-side take profit calculation.

Max_DrawDown_Percent	40	Robot's own drawdown limit: closes its trades when reached.
Drawdown_Lockout_Hours	0	Pause after a drawdown stop.
Use_ECN_Mode, Order_Slippage	false, 30	ECN order handling and allowed slippage.
Buy/Sell_Max_Open_Trade	1	Initial trades per direction.
Buy/Sell_Max_Grid_Shields	3	Add-on trades per direction (grid).
Grid distances	13-15 / 25 pips	Add-on distances before and after X trades.
Single_Direction_Only	false	Only one basket direction at a time.
Use_Martingale	false	Martingale mode instead of grid.
Martingale_Multiplier	1.3	Lot multiplier after a losing trade.
Buy/Sell_Martingale_Max_Trades	4	Maximum series length.
Use_Cycle_Close, Cycle_Profit/Loss_Percent	false, 3 / 3	Cycle close in % of equity.
News_Filter_Active	true	News filter on/off.
High/Medium/Low_Impact_Filter	true/false/false	Which news impact levels pause trading.
Hours_Before/After_News	2.0 / 2.0	Pause before and after the news.
Auto_GMT, Manual_GMT_Offset	true, 2	Broker GMT offset for the news times.
News_Refresh_Minutes	60	Calendar refresh (minimum 30).
Show_News_Zones	true	Pause zones on the chart.
Holiday_Filter_Active	false	Pause 15 December - 15 January.
Time_Filter_Active, Start/Stop	false, 02:00-19:00	Trading time window (broker time).
Friday_No_New_Trades / Friday_Close_All	false / false	Friday rules with their times.
Auto_Lot_Size	true	Lot grows with equity.
Auto_Lot_Step / Auto_Deposit_Step	0.01 / 200	+0.01 lot per 200 of equity.
Buy/Sell_Open_Lot_	0.01	Fixed lot when auto lot is off.
Kapcsolat_Figyelo	true	Connection and trade permission monitor.
Panel_Megjelenites, Show_Logo	true, true	Panel and logo on the chart.
Show_Grid_Lines, Show_BE_Line	false, true	Next level line and break-even line.
Tester_Night_Freeze_Active	false	Strategy Tester only: pause at night.
Test_Log_Enabled	true	Strategy Tester only: CSV log of balance and trades.

11. Demo, refund and support

Free 10-day demo

The demo version is the complete product. It runs for 10 days from the first start on any live or demo account, without a license key. In the Strategy Tester it is not time-limited, so you can backtest as long as you like. Moving the computer clock back ends the demo. When the 10 days are over, the panel shows that the demo has expired and no new trades are opened (open trades are still managed and closed). Download it from ToyamatoForexWorld.com (Downloads).

7-day refund

A 7-day refund applies if the software does not work technically on your MetaTrader (an installation or activation problem that we cannot solve together, or the wrong platform purchased). Trading results and losses are not a reason for a refund – please use the free 10-day demo to test it first. When a refund is issued, the license key is deactivated on both accounts.

Support

Questions: toyamatoforexworld@gmail.com. Videos: youtube.com/@Forexrobots-indicators-Tester.

Donations on the website are voluntary and have no connection to any purchase. A donation does not buy a product, a license, a discount, support or any service.

12. Tips for safe use

1. Start with the free demo on a demo account and run it for several weeks.
2. Backtest with the Strategy Tester using "Every tick" and realistic spread.
3. Keep the risk low: small lot, stop loss on, drawdown limit well below what you could bear.
4. Use a different Magic Number on every chart, and add Toyamato Account Guardian for account-level protection.
5. Do not change settings while baskets are open unless you know the effect.
6. Use a VPS or keep the computer and MetaTrader running.
7. Check the license and news filter status on the panel after every restart.

13. Risk warning

Trading foreign exchange (forex) and CFDs on margin carries a high level of risk and may not be suitable for all investors. Leverage can work against you as well as for you, and you may lose some or all of your capital.

The software is provided "as is", without any warranty. There is no guarantee of profit, of any trading result, of loss prevention or of error-free operation. Backtests and demo results are based on historical or simulated trading and do not guarantee future results. Broker execution, spreads, slippage, swaps, internet and computer problems can all affect results.

Nothing in this manual is financial, investment or tax advice. You install, set up and run the software yourself on your own account, and you alone are responsible for your trading decisions. To the maximum extent permitted by law, the author is not liable for any loss or damage arising from the use of the software or this manual. Read the full Risk warning on ToyamotoForexWorld.com.

14. End User License Agreement (EULA)

1. Parties and scope

This End User License Agreement ("EULA") is an agreement between you ("the user") and the author of the Toyamato software ("the author", Toyamato Forex World, contact: toyamatoforexworld@gmail.com). It applies to Toyamato X EA, Toyamato Breakout Zone, Toyamato Helper and Toyamato Account Guardian, including the demo versions, the PDF manuals and any updates (together "the software"). By downloading, installing or using the software you accept this EULA. If you do not accept it, do not install or use the software.

2. Purchase

The paid versions are sold through Gumroad, which acts as the seller (merchant of record) and handles the payment, the invoice and the applicable VAT under its own terms. This EULA governs the use of the software itself.

3. License grant

For a paid version, the author grants you a personal, non-exclusive, non-transferable, non-sublicensable and perpetual license to use the software on the **2 MetaTrader account numbers** (live or demo) that you entered at checkout. You may run it on any number of charts of these 2 accounts and on any number of your own computers or VPS. **The 2 account numbers cannot be changed later; a different account requires a new license.** The license key is personal and must be kept confidential.

The demo versions may be used free of charge for 10 days on any account and without time limit in the Strategy Tester, for evaluation only. Toyamato Helper and Toyamato Account Guardian may be used free of charge on any account.

4. Restrictions

You may not: share, publish, sell, rent, lend or give away the software, the license key or the download links; use the software on accounts other than the licensed ones; decompile, disassemble, reverse engineer, modify or create derivative works of the software, or remove or bypass the license check or the demo limits; or use the software in any way that breaks the law or the terms of your broker. Free tools may be shared only in the original, unchanged form as downloaded from ToyamatoForexWorld.com.

5. Ownership

The software is licensed, not sold. All rights, title and copyright in the software, the manuals, the logos and the name "Toyamato" remain with the author. Everything not expressly granted in this EULA is reserved.

6. Online license check

The paid software checks the license key online at Gumroad when it starts and once a day, and compares your MetaTrader account number with the account numbers stored with your purchase. For the indicator, this check is done by the free Toyamato Helper. An internet connection and the

WebRequest permission in MetaTrader are required. See the Privacy policy (toyamatoforexworld.com/privacy.html).

7. Updates and support

Updates, new versions and support are provided at the author's discretion and are not guaranteed. The author may change or discontinue the software at any time.

8. Refund

A 7-day refund applies if the software does not work technically on your MetaTrader (an installation or activation problem that cannot be solved together, or the wrong platform purchased). Trading results and losses, and wrongly entered account numbers, are not a reason for a refund. When a refund is issued, the license key is deactivated. Your statutory consumer rights are not affected.

9. Risk and no advice

Trading forex and CFDs involves a high risk of loss. The software is a tool, not a holy grail, and not financial advice. Backtests and demo results do not guarantee future results. You alone are responsible for your settings, your trading decisions and their results. Read the Risk warning & disclaimer (toyamatoforexworld.com/risk-warning.html), which forms part of this EULA.

10. No warranty

To the maximum extent permitted by law, the software is provided “as is” and “as available”, without any warranty of any kind, express or implied, including merchantability, fitness for a particular purpose, accuracy, uninterrupted or error-free operation.

11. Limitation of liability

To the maximum extent permitted by law, the author is not liable for any direct, indirect, incidental, consequential or special loss or damage, including trading losses, lost profits or lost data, arising from the use of or the inability to use the software. Where liability cannot be excluded, it is limited to the price you paid for the license. Nothing in this EULA limits liability that cannot be limited under the applicable law, including liability for intent or gross negligence and mandatory consumer rights.

12. Termination

This license ends automatically if you break this EULA or if the purchase is refunded or charged back. The license key can then be deactivated, and you must stop using and delete the software.

13. Applicable law

This EULA is governed by the law of Hungary. If you are a consumer, you also keep the protection of the mandatory rules of the country where you live. If any part of this EULA is invalid, the rest remains in force.

14. Contact

Questions about this EULA: toyamatoforexworld@gmail.com. Version 1.0, October 2026.