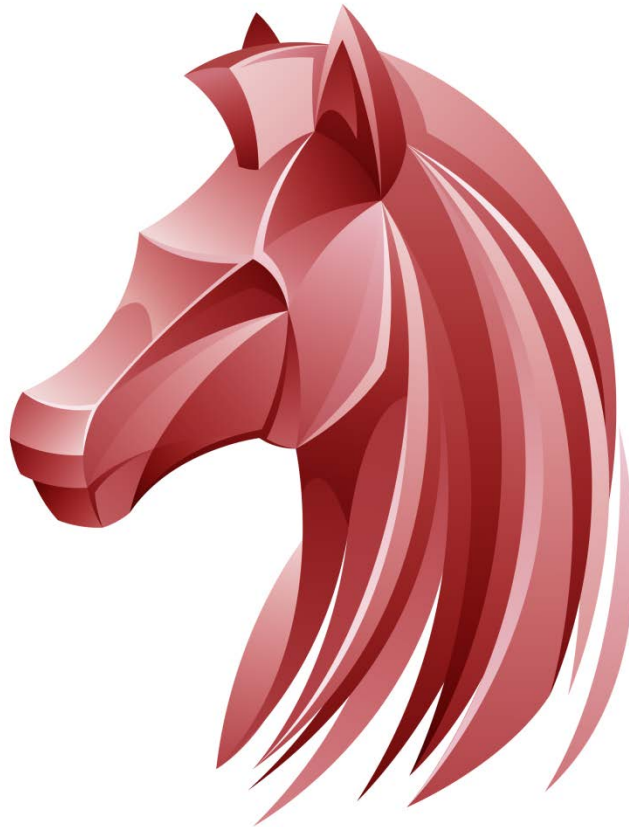# THE ALMIGHTY

REAPER

FOREX ROBOT

Installation Guide & User Manual

Install Guide

Thanks for purchasing the Reaper forex robot. This guide covers installation, settings, and the best ways to use your new robot.

- **Installing Your Forex Robots**
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Installing Your Forex Robots

The zip file that you downloaded contains all of the files for your new forex robots. Let's start by installing them into MetaTrader 4.

Step 1

Double click the zip file you downloaded to view its contents. Keep that window open for later.

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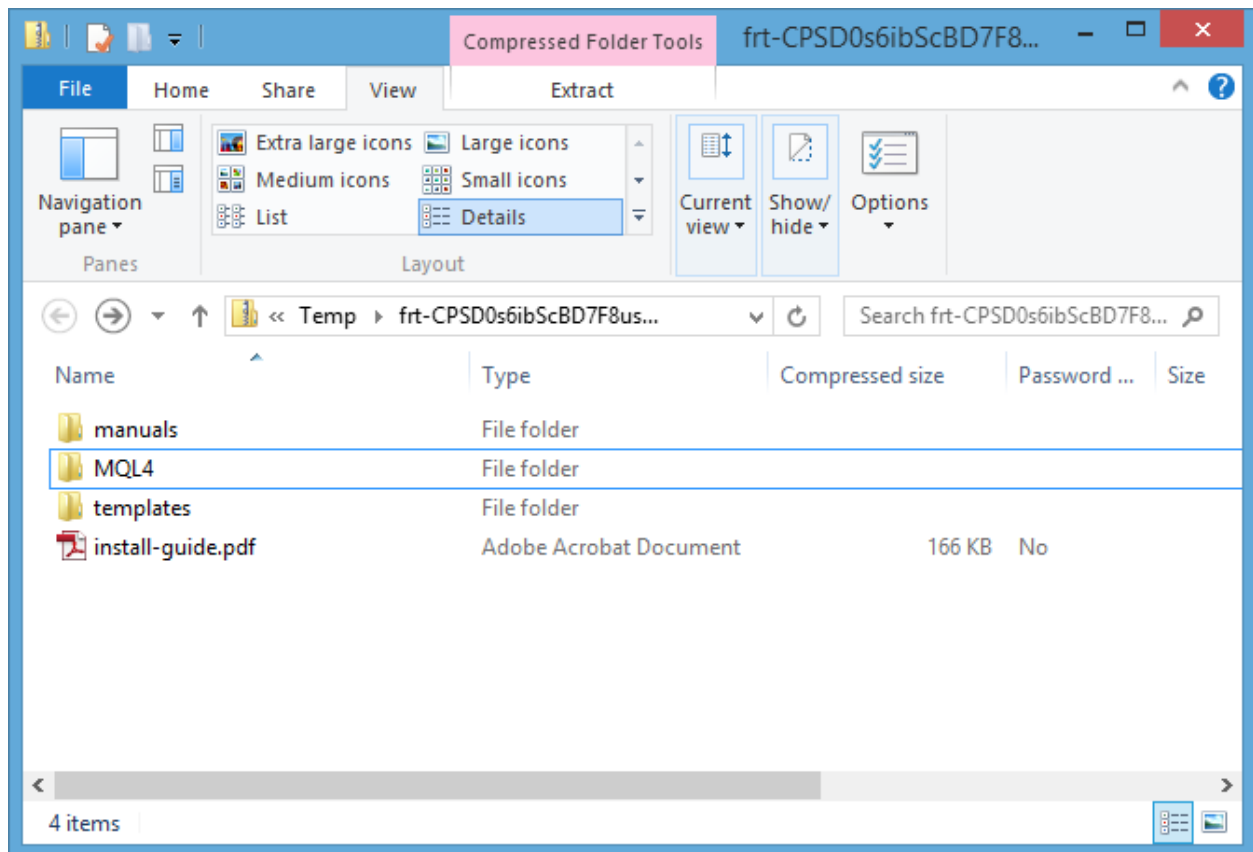
Step 2

Open your MetaTrader 4 platform. Click on File > Open Data Folder. A new window will open showing you the contents of your MT4 data folder. All experts, indicators, and templates for your MT4 terminal are kept inside this folder. The 32-bit folder name will vary.

* Note: If you do not see an option to "Open Data Folder" you are using an old version of MT4. Upgrade your installation to v600 or newer before continuing.
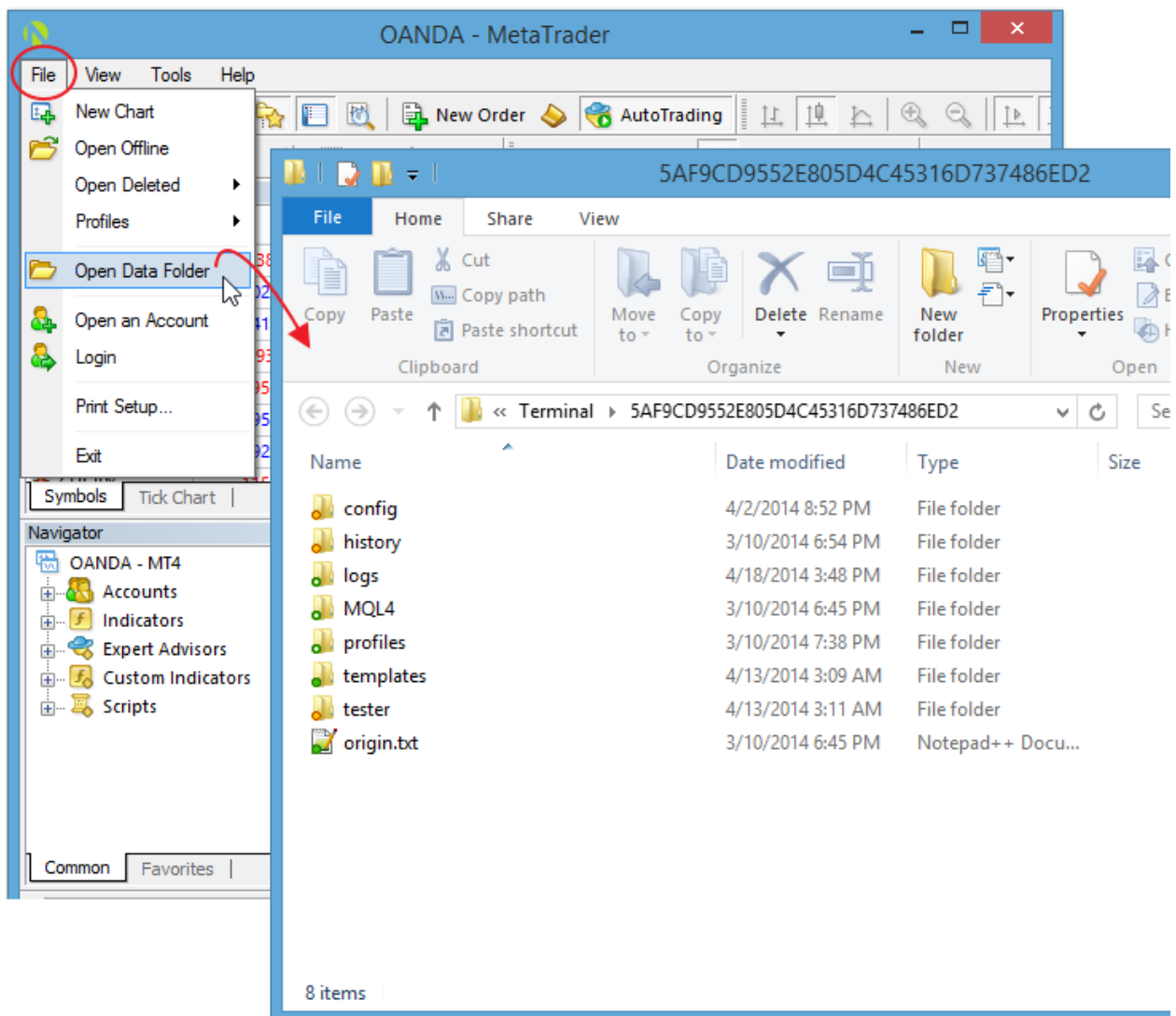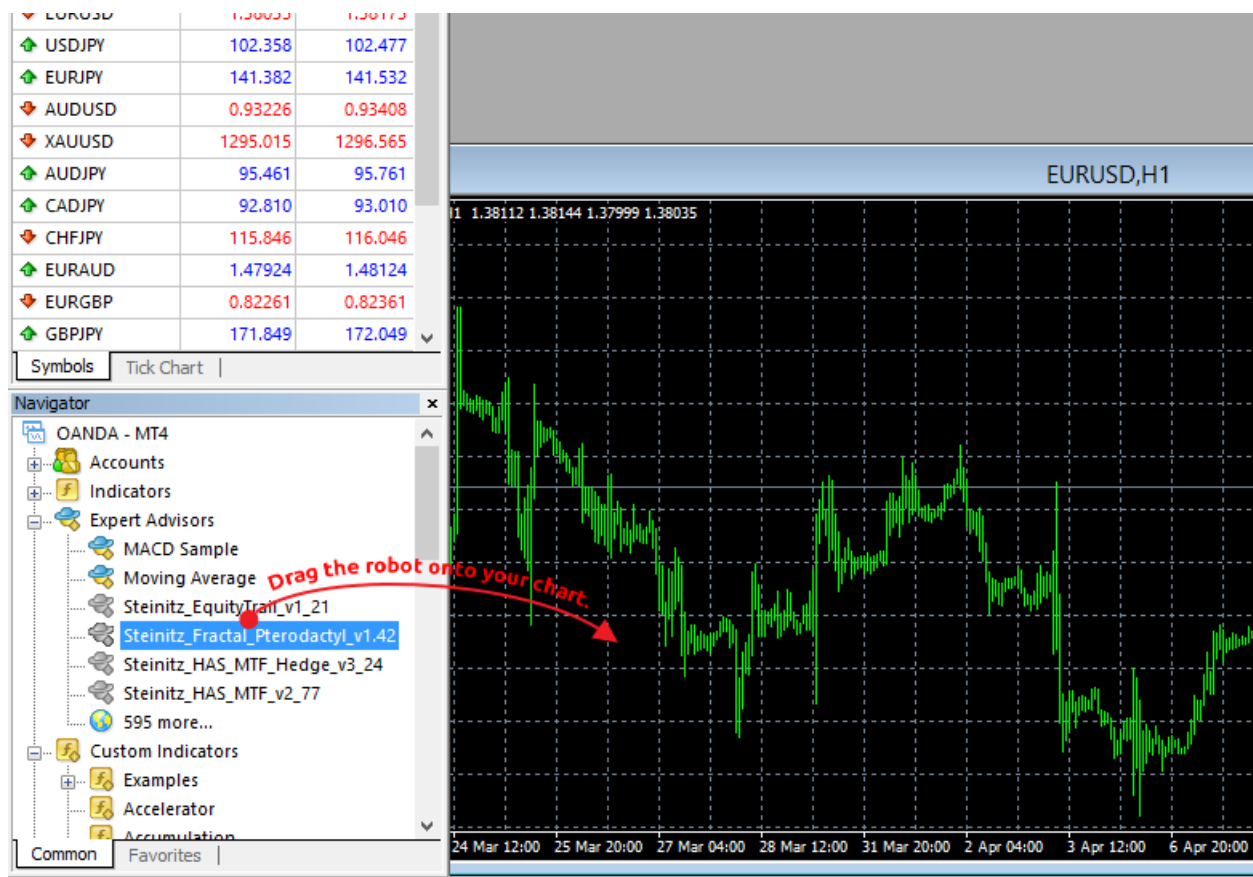
Step 3

In the zip file you left open, select and drag its contents into the MT4 data folder window. You can also copy + paste them if that is easier. Click yes if you are prompted to overwrite existing files.
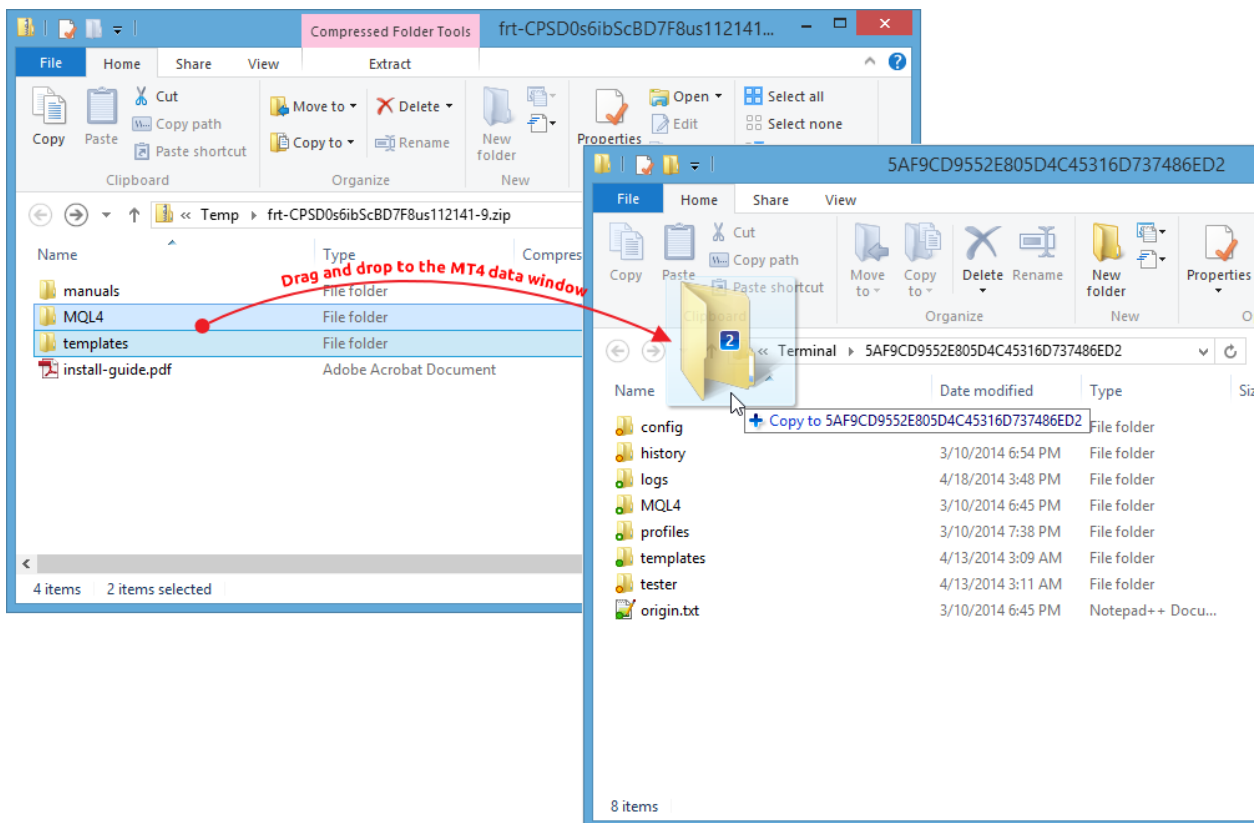
Step 4

Close and reopen MT4. Your new forex robots should be showing in the navigator. Attach the forex robot by dragging it from the navigator onto the desired chart.

* Note: If you purchased the Fractal Breakout Indicator, it will be listed under the "Custom Indicators" folder in your navigator.

Some robots also come with templates. You can apply these by right clicking on your chart and going to Template > [Robot's Name]. See chart templates for more info.

Step 5

After attaching your robot a window with expert settings will open. On the "Common" tab, make sure "Allow live trading" is checked.

* Note: If you are attaching the Fractal Pterodactyl Robot, you will also need to check "Allow DLL imports" and uncheck "Confirm DLL Function calls" as pictured below.
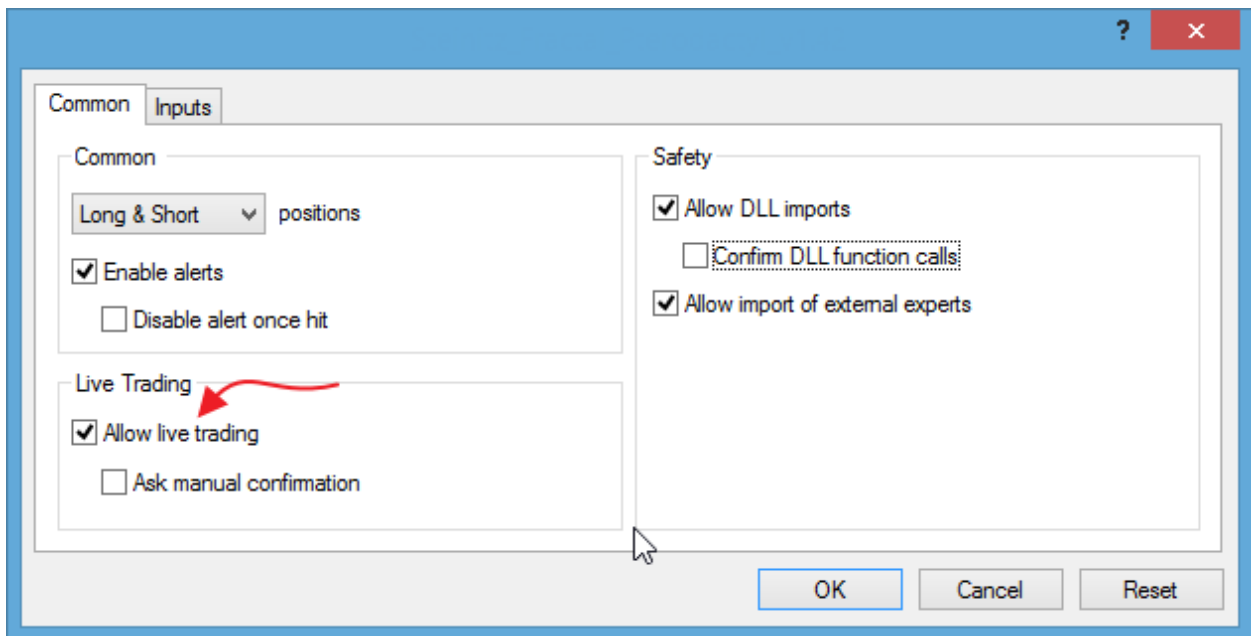
On the "Inputs" tab you can change lot size, max spread, and more to fit your needs. If everything looks good, click OK.

* Note: When loading hardcoded robots for live trading, you'll need to set the "YourAccountNumber" field on the Inputs tab to your live account number. On newer robots like Reaper this field is named "your_account_number". See the *Live Trading* section for more info.

If your robots aren't running, be sure the "AutoTrading" button at the top of MT4 is green. You may need to re-attach the robot if AutoTrading wasn't enabled.
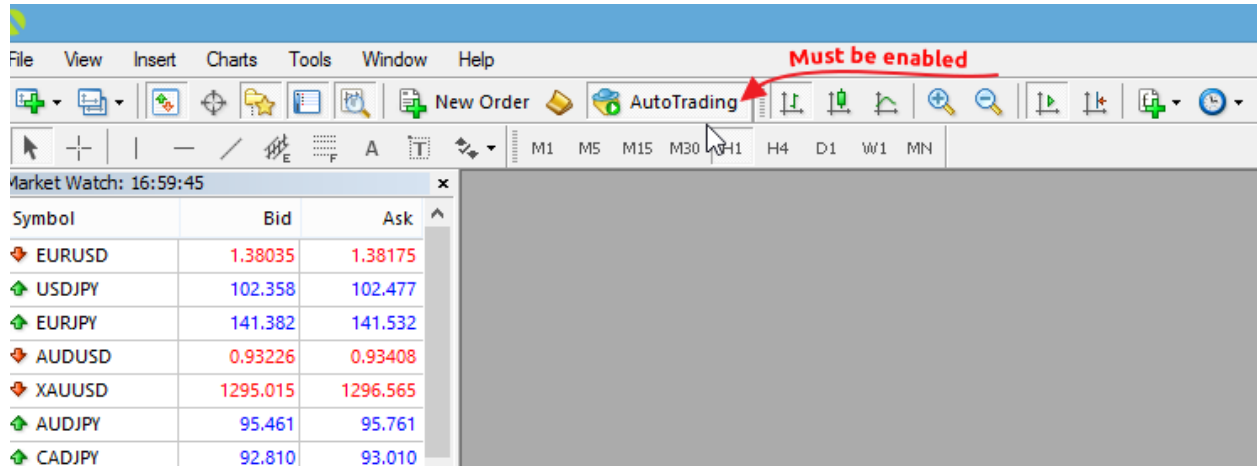
Live Trading

The robots you initially download will only work on a demo account. To trade live you need to request your hardcoded forex robots.

Step 1

Go here and follow the onscreen instructions to complete your hardcoded robot request. You will need to know the email address you used when you bought your robots and also your live account number. You can find your live account number in MT4 by looking in the navigator under "Accounts". You can also request it from your broker.

After completing your request you will receive an email with your hardcoded forex robots.

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Step 2

Before installing your new hardcoded robots you must first delete the demo versions you previously installed into MT4. Follow these steps to remove your demo versions:

1) Open your MetaTrader 4 platform.

2) Click on File > Open Data Folder. A new window will open showing you the contents of your MT4 data folder.

3) **Exit the MT4 platform** but <u>leave the MT4 data folder window open</u>.

4) In the MT4 data folder navigate to where your demo robots were installed. All robots besides the Fractal Breakout Indicator are located inside of the "MQL4/Experts" folder. The Fractal Breakout Indicator is located inside of the "MQL4/Indicators" folder.

5) *For each hardcoded robot that you will be installing*, delete the original demo version that was previously installed.

* Note: You can tell demo versions from hardcoded versions by looking at their file name. Hardcoded robots contain the words "_live_XX" towards the end of their file name. Demo versions do not.

Example scenario:

You requested hardcoded versions of both the Fractal Breakout indicator and Hedge robots. For the Hedge robot you would need to delete the file "Steinitz_HAS_MTF_Hedge_v3_24.ex4" from your MQL4/Experts folder. For the Fractal Breakout indicator you would delete the file "Steinitz Fractal Breakout Indicator_ v1.53.ex4" from your MQL4/Indicators folder.

Once the demo versions of each robot you hardcoded are removed, proceed to step 3.

Step 3

Using the zip file you received via email, follow the same installation instructions above to load the new hardcoded robots into your MT4 platform. **Important:** You'll need to set the "YourAccountNumber" field on the Inputs tab to your actual live account number. **This value must match the one you gave us when you requested your hardcoded robots.**

* Note: On newer robots such as Reaper, this field is named "your_account_number".
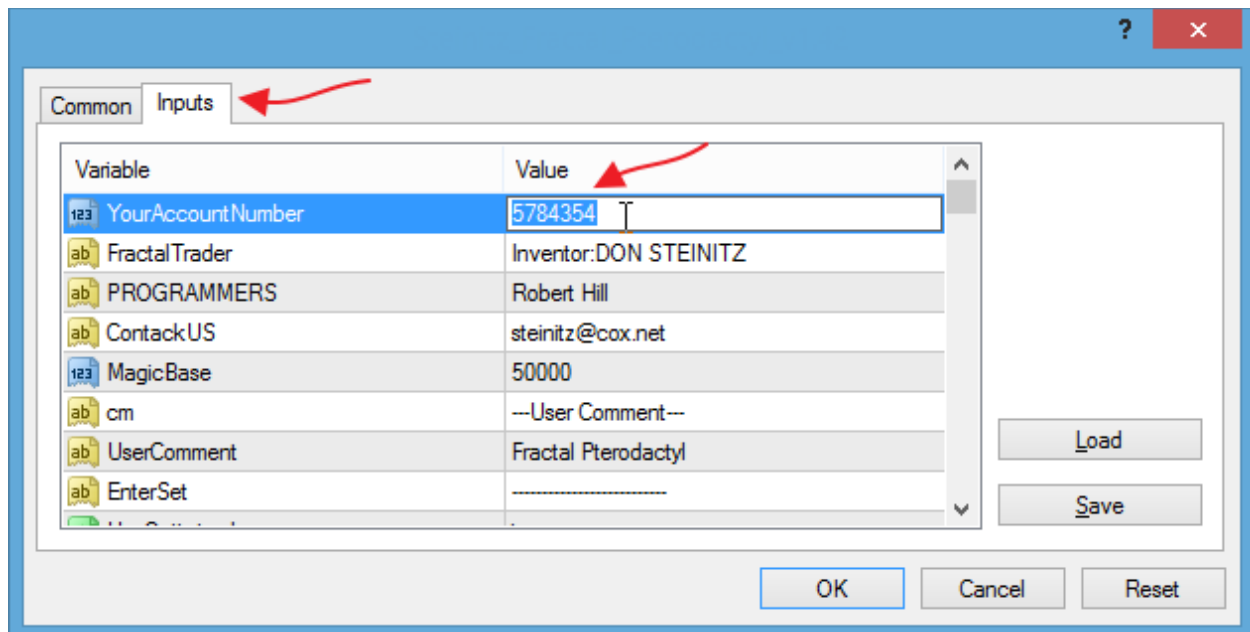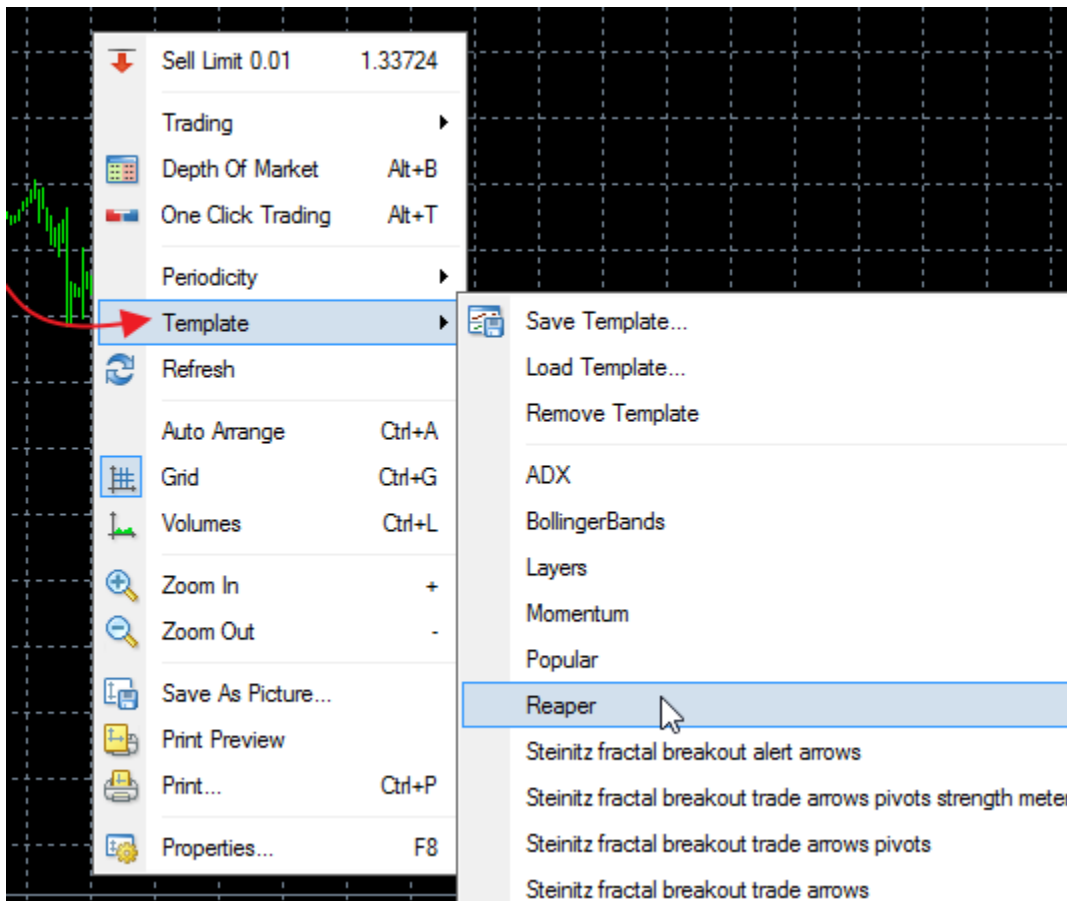
Chart Templates

Some robots like Reaper come with full chart templates. You'll want to apply these before attaching the robot to your chart. Do so by right clicking on your chart and going to Template > [Robot's Name].

Configuration

The default settings are used when you attach the robot to a chart. You will need to verify they are correct for you. You can modify these settings at any time by right-clicking on the chart that the robot is loaded on. To modify a setting simply double click on its value.
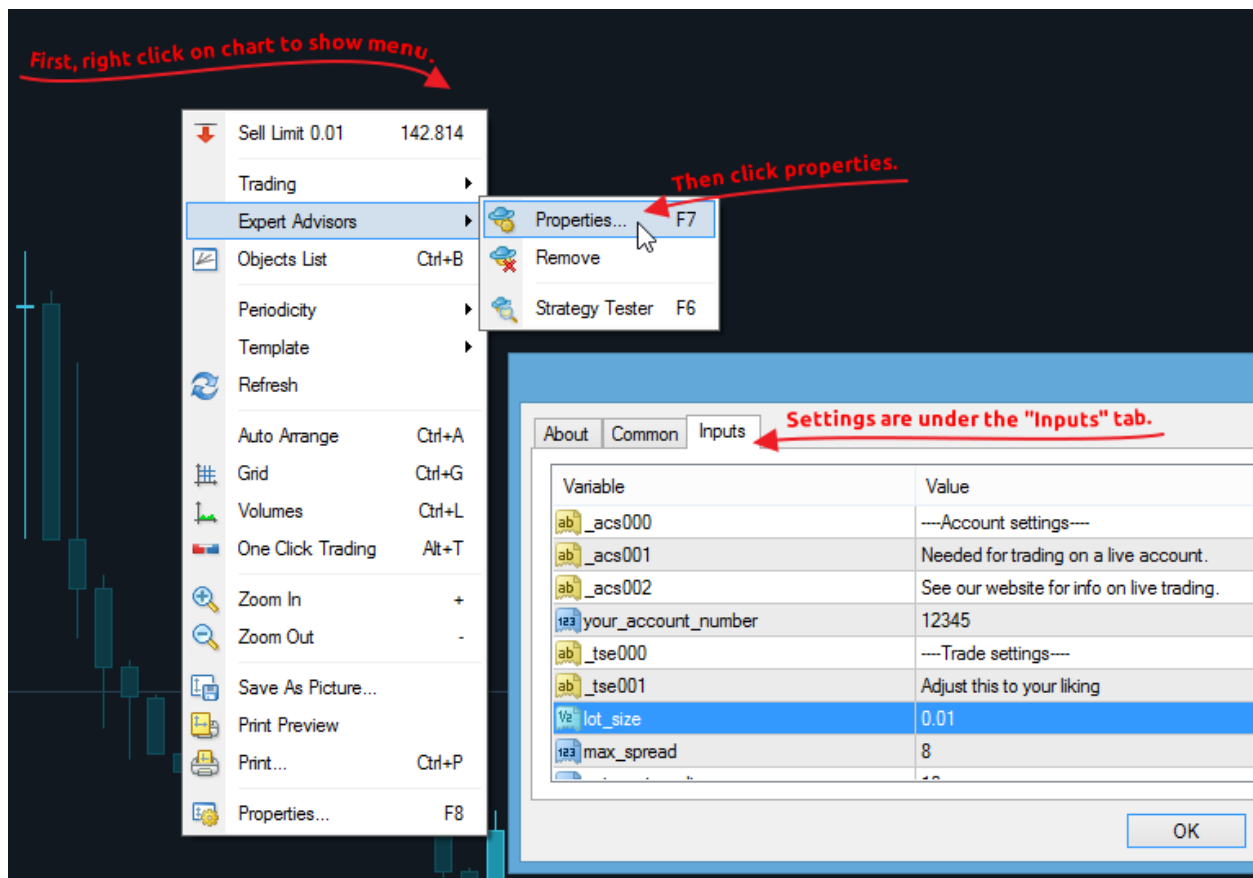

Two settings are very important. Let's take a quick look at them.

Lot Size

All of our robots default to trading micro lot sizes. A micro lot is 1,000 units or $0.10 per pip on USD based pairs. You can modify the "lot_size" field on your robot's Input area to change the lots it will trade.

| Input value	Lot Size	Price per pip	Units	Increments
0.01	Micro	$0.10 USD	1,000	0.02, 0.03, etc.
0.10	Mini	$1.00 USD	10,000	0.20, 0.30, etc.
1.00	Standard	$10.00 USD	100,000	2.00, 3.00, etc.
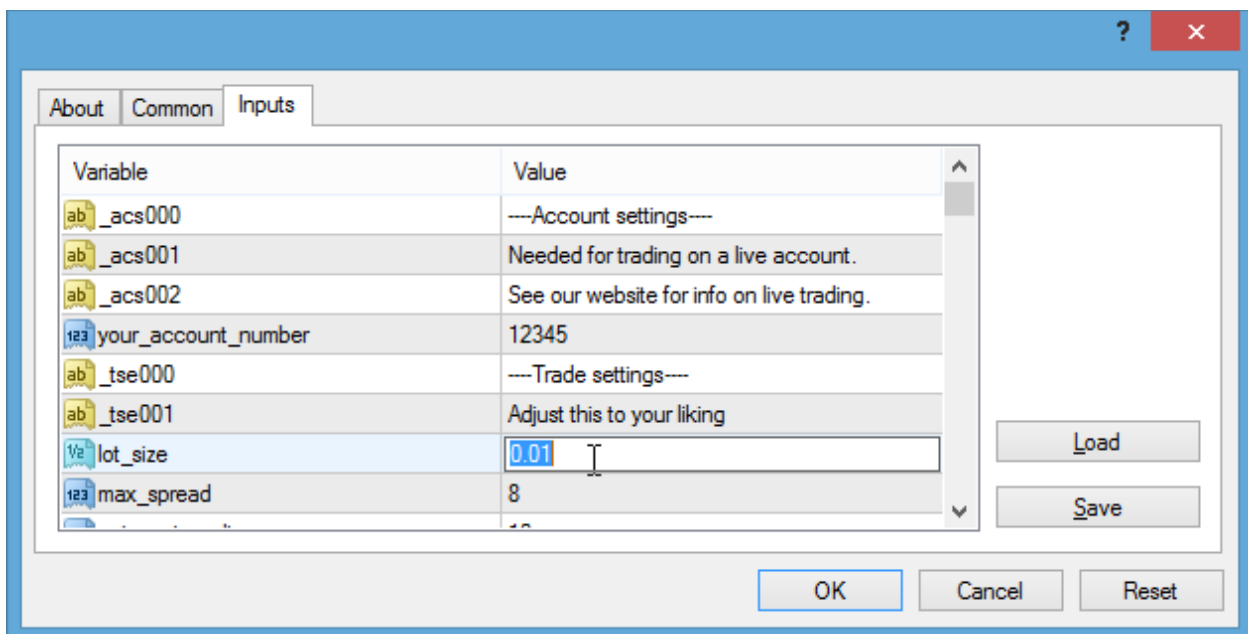
Lot Size VS. Account Balance

The minimum recommended account balance for trading micro lots is $1000. You will need more than that if you plan to trade multiple pairs or larger lots. You should always trade within your limits and never set a lot size that is too large for your account.

![FRT]

ECN Brokers

Brokers like IBFX are called ECN brokers. ECN brokers require trades to be opened a certain way . If you are using an ECN broker you will need to set "using_ecn_broker" to true on your robot. If you're not using an ecn broker setting this value to true will still work.
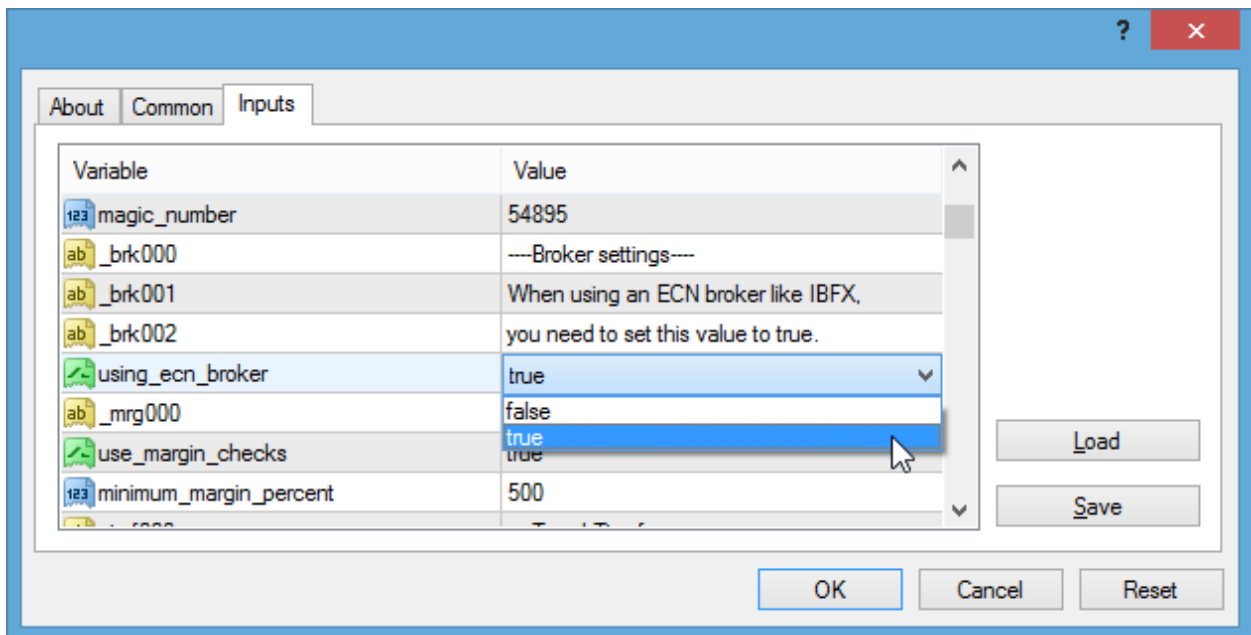
Other Input Settings

Reaper comes with several settings that control how it trades. The default values are what we recommend for most cases. However you can customize these values from their defaults and create an entirely unique trading robot. Here's a breakdown of each setting for your reference.

Field name	Description
your_account_number	When trading live this must match your live account number and the hardcoded account number. Ignored for demo accounts.
lot_size	The lot size to use when Reaper opens a trade. See "Lot size" above for more info.
max_spread	If the current spread is greater than this amount Reaper will not open a trade. Used to prevent news spreads.
entry_price_slippage	The maximum allowable difference between the sent entry price and the returned order price.
magic_number	A unique number for this robot. Used to identify trades in your account history.
using_ecn_broker	When using an ECN Broker, make sure this is set to true. See "ECN Brokers" for more info.
use_margin_checks	<table><tr><td>1</td><td>=</td><td>Enables money management to prevent margin calls</td></tr><tr><td>0</td><td>=</td><td>Money management disabled</td></tr></table>
minimum_margin_percent	The minimum margin ratio required to safely open new trades. Only used if "use_margin_checks" is enabled.
base_tf	The main timeframe used to find new trades. <table><tr><td>1</td><td>=</td><td>M1 timeframe</td></tr><tr><td>2</td><td>=</td><td>M5 timeframe</td></tr><tr><td>3</td><td>=</td><td>M15 timeframe</td></tr><tr><td>4</td><td>=</td><td>M30 timeframe</td></tr><tr><td>5</td><td>=</td><td>H1 timeframe</td></tr><tr><td>6</td><td>=</td><td>H4 timeframe</td></tr><tr><td>7</td><td>=</td><td>D1 timeframe</td></tr></table>

	8	=	W1 timeframe
	9	=	MN1 timeframe
	0	=	Chart's current timeframe

require_fresh_bar	1	=	Robot waits for a new candle to open before trading
	0	=	Disabled, starts trading right away

force_zig_zag	1	=	Forces even alternation between buy and sell orders
	0	=	Disabled

te_method

Trade expiration settings.

	1	=	Trades close at end of day
	2	=	Trades stop and reverse at end of day
	3	=	Trades close after X hours
	4	=	Trades stop and reverse after X hours
	0	=	Disabled, no expiration

te_expire_if_profitable	1	=	Forces profitable trades to expire
	0	=	Disabled, only unprofitable trades expire

trade_expiration_hours

The amount of hours before trades expire. Only used when trade expiration is set to "... after X hours".

no_trades_on_friday	1	=	Robot does not open trades on Fridays
	0	=	Disabled

use_time_restrictions	1	=	Robot only trades between window times specified below
	0	=	Disabled, trades anytime

time_window_open

If using time restrictions, set the time the trade window opens.

time_window_close

If using time restrictions, set the time the trade window closes.

sl_method

Stop loss calculation method.

	1	=	Use static SL values
	2	=	Use robot calculated ATR levels
	3	=	Use candle highs/lows
	4	=	Use box indicator levels
	0	=	Disabled, no stop loss

sl_multiplier

Multiply the final calculated stop loss by this amount.

static_sl_pips	When using stop loss method 1, enter the static amount of pips to use for a stop loss.
atr_sl_period	When using stop loss method 2, enter the ATR period used for calculation.
candle_sl_bars	When using stop loss method 3, enter the previous number of candles to scan for a high/low stop loss.
tp_method	Take profit calculation method.

1	=	Use static TP values
2	=	Use robot calculated ATR levels
3	=	Use candle highs/lows
4	=	Use box indicator levels
0	=	Disabled, no take profit

tp_multiplier	Multiply the final calculated take profit by this amount.
static_tp_pips	When using take profit method 1, enter the static amount of pips to use for a take profit.
atr_tp_period	When using take profit method 2, enter the ATR period used for calculation.
candle_tp_bars	When using take profit method 3, enter the previous number of candles to scan for a high/low take profit.
sm_method	Stop management settings for active stop adjustment.

1	=	Move stop to break even when conditions are met
2	=	Trailing stop using candle lows/highs
3	=	Jumping stop loss
4	=	Jumping stop loss after break even met
5	=	Trailing stop loss
6	=	Trailing stop loss after break even met
0	=	Disabled, no stop management

break_even_pips	After this amount of pips, the stop will be moved to break even to prevent loss. Only used when methods 1, 4, or 6 are selected.

break_even_profit	An additional amount of pips to secure when the break even is triggered. Only used when methods 1, 4, or 6 are selected.
candle_ts_bars	The amount of previous bars to find a candle high/low for stop adjustment. Only used when method 2 is selected.
candle_ts_timeframe	Leave at 0. For advanced traders only. The MT4 numeric timeframe to look for candle high/low for stop adjustment. Only used when method 2 is selected.
jumping_stop_pips	The pip increment to use for an active jumping stop. Only used when methods 3 or 4 are selected.
trailing_stop_pips	The amount of pips that the stop loss will trail behind the price as it moves forward. Only used when methods 5 or 6 are selected.

stop_trail_at_pips_profit

1	=	Robot will end trailing stop after a certain amount of pips
0	=	Disabled, trailing stop acts normal

stop_trail_pips	If "stop_trail_at_pips_profit" is enabled, enter the amount of pips at which the trailing stop will quit moving forward. Only used when methods 5 or 6 are selected.

verify_trades

Fixes a known MT4 bug with order opening. Recommended setting is true.

true	=	Robot will verify trade in account history after opening
false	=	Disabled, robot will not verify trades have opened

verify_trade_max_retries	The amount of times to retry order verification. Only used if "verify_trades" is enabled.
verify_trade_sleep_time	The minimum amount of time to wait before each verification retry. Only used if "verify_trades" is enabled.
verify_trade_max_sleep_time	The maximum amount of time to wait before each verification retry. Only used if "verify_trades" is enabled.

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font_size	The size of onscreen messages from the robot.
font_face	The face of onscreen messages from the robot.
color_normal	The font color of normal messages from the robot.
color_error	The font color of error messages from the robot.
color_active	The font color of active messages from the robot.
color_inactive	The font color of inactive messages from the robot.

disable_logo

1	=	Robot's onscreen logo is not shown
0	=	Robot's onscreen logo is shown

show_sl_modifications

1	=	SL modification messages show up in the journal
0	=	SL modification messages are muted

debug_mode

1	=	Robot runes in debug mode and outputs to the journal
0	=	Robot runs in normal mode

box_method

1	=	Box breakout method is enabled
0	=	Box is not used

box_prev_days	The amount of previous days to draw onscreen boxes for.
box_period_start	The time that a new box period opens. Relative to your broker's time.
box_period_end	The time that the high/low box window closes after a new box is opened.
box_end	The time that a box closes out completely.
box_required_volume	The amount of volume required for a signal to be valid.

|	
box_color	The base box color.
box_breakout_color	The color of breakout area 1.
box_breakout_color2	The color of breakout area 2.
box_period_color	The outline color of the high/low period.

Quick Loading Custom Settings

Customized robot input values will be lost when you close the chart. You can get around this by saving a new template or using presets to quickly load your custom values.

Templates

Start by loading your robot on the chart as normal with its original template (if applicable). Customize any input values you might need. When you're ready, right click in the chart and go Template > Save Template.
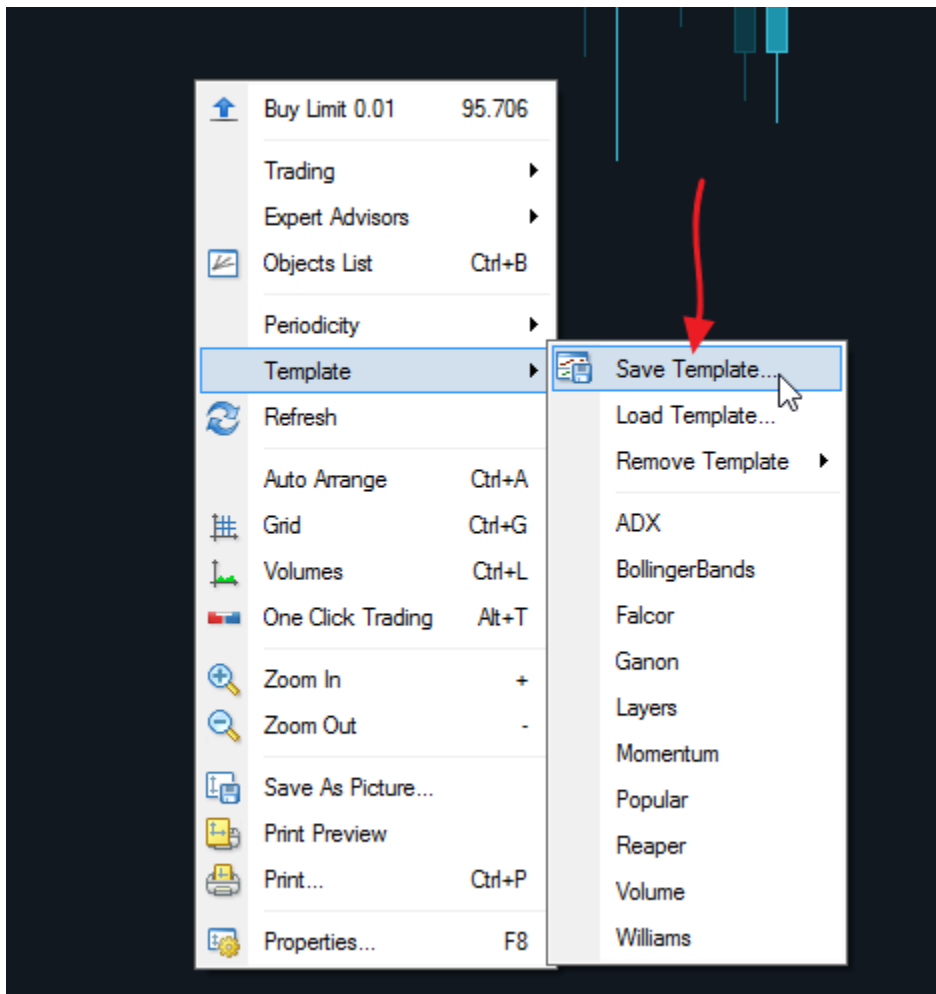
Specify a file name and hit save. Now when you start MT4 load that template onto your charts. All of the values you originally specified will be loaded along with the expert.

Presets

Another way to quickly load your custom input values is to save them to a preset file. Preset files can be loaded when attaching a robot to a chart.

Start by customizing your robot's input values. When everything is ready, hit the "Save" button. Save the preset file to your computer where you can easily find it.
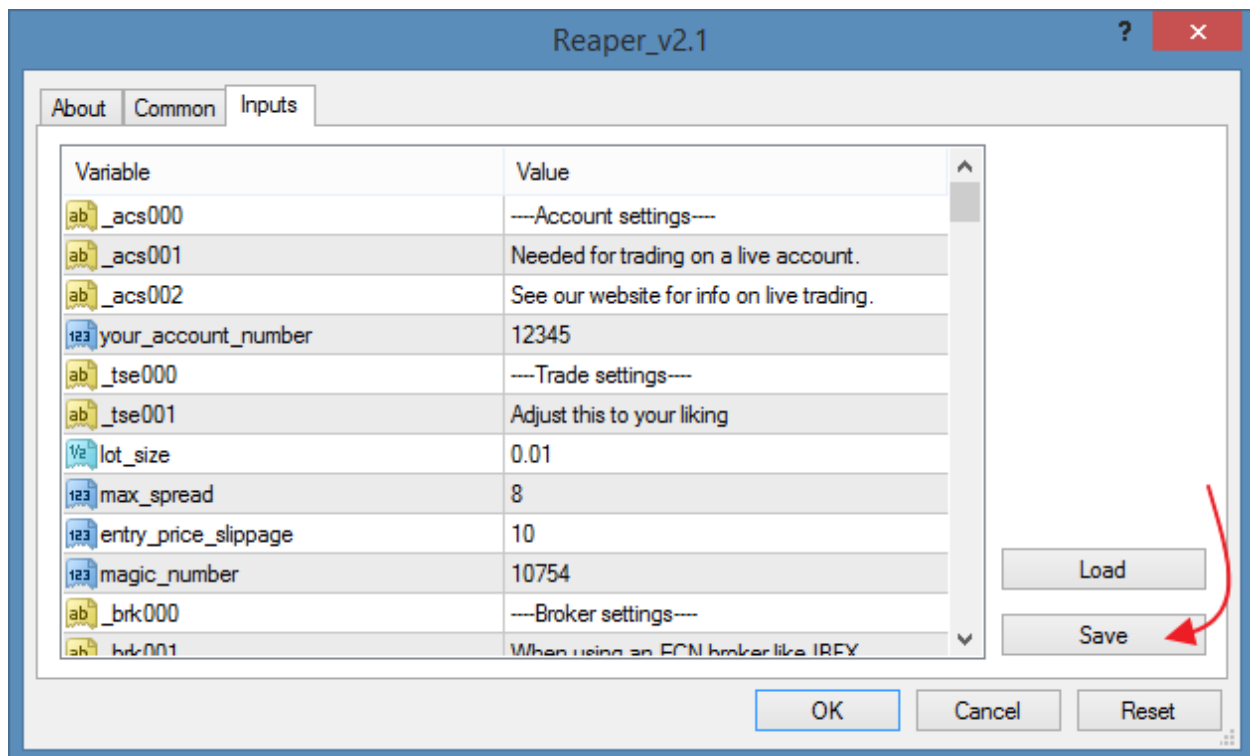
To load the saved values quickly, hit the "Load" button and browse to the file you created. The robot's input values will automatically be changed to the ones you saved previously.

Using Reaper

Currency Pairs

Reaper is configured to run on any currency pair. It will adapt its own settings for the chart's pair. We recommend running Reaper on pairs with good spreads. Spreads will vary from broker to broker.

Timeframes

Reaper works best on low/middle timeframes. M5, M15, M30, and H1 are all good choices. Keep in mind that Reaper will use the value you've set for the "base_tf" input variable. Setting that to "0" will force Reaper to use the chart's current timeframe.

Setup

Reaper is set to open and close trades by itself. In order to work properly Reaper needs to be left on the entire time the markets are open (24 hours, 5 days a week). Make sure that your computer stays on with your MT4 platform open and connected.

VPS

Most full time traders run their forex robots on a VPS. A VPS is a virtual computer in the cloud. You can log into your VPS remotely and use it like a normal PC. Most forex VPS services come with MT4 pre-installed. This enables you to have MT4 running all the time without leaving your personal PC on for five days straight. Google "forex vps" for more information.

Additional Support

Please contact us on our website using [this form](#) if you need additional help.