

# Licensing Requirements for Personally Coded Automated Strategies on NinjaTrader

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## 1. Introduction

A common question among traders utilizing the NinjaTrader platform is whether a specific license is required to develop and operate personally coded automated trading strategies. This report provides a comprehensive analysis of NinjaTrader's licensing structure as it pertains to custom strategy development, backtesting, simulation, and, crucially, live automated trading. The objective is to clarify when a license becomes necessary and which license tiers are appropriate for various trading activities involving user-created NinjaScript strategies.

## 2. Understanding NinjaTrader and Custom Strategies

NinjaTrader is a trading platform offering a suite of tools for charting, market analysis, and trade execution.<sup>1</sup> A core component of its

extensibility is **NinjaScript**, a C#-based development framework that allows users to create their own custom trading indicators, drawing tools, and automated trading strategies.<sup>1</sup> These personally coded strategies, often referred to as "algo trading" systems, enable traders to define objective rules for market entry and exit, which can then be executed automatically by the platform.<sup>4</sup>

The platform provides tools such as the NinjaScript Editor, which includes features like inline syntax checking and Intellisense, to facilitate the coding process.<sup>4</sup> Users can manage and monitor their active and inactive automated strategies through the Strategies tab in the NinjaTrader Desktop Control Center.<sup>5</sup> This interface displays strategy parameters, positions, performance metrics, and allows for enabling or disabling strategies.<sup>5</sup> The ability to develop and implement such custom solutions is a significant draw for traders seeking to personalize their trading approach.<sup>1</sup>

### **3. Developing and Testing Personally Coded Strategies**

A key aspect of using personally coded strategies is the development and testing phase, which typically involves coding, simulation, and backtesting. **NinjaTrader's licensing model generally permits these activities without requiring a paid license, fostering an environment where users can create and refine their strategies.**

#### **3.1. Coding and Development Environment**

The creation of custom strategies using NinjaScript is a fundamental capability offered by the NinjaTrader platform. Users can access the NinjaScript Editor to write, compile, and debug their strategy logic.<sup>4</sup> The platform supports the development of complex strategies, allowing for multiple entries, various order types (market, limit, stop), and sophisticated exit conditions.<sup>6</sup> This development process itself,

focusing on writing the code for personal use, does not appear to be restricted by license tiers. The platform's architecture is designed to allow users to develop and personalize their trading tools, including automated strategies.<sup>1</sup> The licensing framework primarily gates the *live execution* and certain *advanced functionalities* of these coded strategies, rather than the act of coding for personal, non-commercial use.

### 3.2. Running Custom Strategies in Simulation

NinjaTrader provides robust simulation capabilities, allowing traders to test their personally coded strategies in a risk-free environment. Users can run their strategies using a simulated data feed (e.g., Sim101) or the Playback connection, which replays recorded market data.<sup>4</sup> This functionality is generally available with the **Free license**.<sup>1</sup> The Strategies tab in the Control Center allows users to manage these simulated strategies, view their performance, and ensure they operate as intended before any real capital is at risk.<sup>4</sup> This free access to simulation for custom strategies is a critical component of the platform's offering, enabling thorough validation of algorithms.

### 3.3. Backtesting Capabilities and License-Specific Considerations

Backtesting, the process of testing a trading strategy on historical data, is another essential step in strategy development. NinjaTrader's Strategy Analyzer tool facilitates this.<sup>4</sup> Generally, basic backtesting features are accessible with the Free license, allowing users to assess historical performance.<sup>1</sup>

However, a point of potential confusion arises from platform documentation stating that "NinjaScript Development and Backtesting" are NOT included with a "Free Live Trading Key".<sup>8</sup> This statement likely refers to limitations when using the specific "Free Live Trading Key" (which enables basic live *manual* trading) or

pertains to *advanced* backtesting and optimization features within the Strategy Analyzer, rather than a complete inability to backtest with a standalone free version for simulation purposes. The fundamental ability to code a strategy and test it against historical data in a simulated context appears to remain. The platform seems to differentiate between using development tools in a purely simulated/offline context versus using them while connected for live activities under the most basic live-enabled key. Therefore, while core development and historical testing for simulation are broadly accessible, advanced optimization tools or using these features in conjunction with a live connection under the free key might be what is restricted.

#### 4. Live Trading with Personally Coded Automated Strategies: The License Requirement

The necessity of a license becomes paramount when a trader wishes to deploy personally coded automated strategies in a live trading environment. While development and simulation are largely unrestricted, live automated execution is a premium feature.

##### 4.1. License Tiers and Automated Trading Capabilities

NinjaTrader offers several license tiers, and their applicability to live automated trading with custom scripts varies significantly:

- **Free License / Free Live Trading Key:**
  - The Free license, particularly when referred to as the "Free Live Trading Key," **explicitly does NOT support "Fully-Automated Trading"** in a live environment.<sup>8</sup> This is a critical distinction.
  - While a user can obtain a "Free Live Trading Key" to connect to a brokerage account for live *manual* order entry and basic charting<sup>8</sup>, custom automated strategies will not execute

automatically in a live market under this license.

- This means that if a strategy is coded and tested, it cannot be set to run autonomously and place live trades without a paid license.

- **Monthly (Lease) License:**

- A Monthly (or Leased) license enables live automated trading with personally coded NinjaScript strategies.<sup>7</sup>
- This license tier unlocks the platform's capabilities to allow custom strategies to automatically place, modify, and cancel orders in a live brokerage account according to the user's coded logic.
- The lease option provides flexibility for traders who may not wish to commit to a lifetime purchase immediately.<sup>7</sup> Current pricing for the Monthly plan is \$99 per month.<sup>9</sup>

- **Lifetime License:**

- The Lifetime license provides the most comprehensive access for live automated trading, including all features available under the Lease license.<sup>7</sup>
- It is often the preferred option for serious algorithmic traders due to its one-time payment structure (currently \$1,499) and inclusion of additional features like Order Flow+.<sup>7</sup>
- This license grants "unlimited access to all features, including automated trading and strategy development tools".<sup>7</sup>

The platform's model appears to provide free tools for development and simulation to attract and educate users, subsequently monetizing the deployment of these strategies in live automated trading. The "Free Live Trading Key" serves as an entry point for live *manual* trading, not for automated systems.

It is important to distinguish this from the vendor licensing system discussed in some platform resources.<sup>10</sup> The vendor licensing framework, which may involve adding a VendorLicense line to code or using a vendor dashboard, is designed for developers who intend to *sell or distribute* their NinjaScript add-ons to other users. For *personally coded strategies intended only for private use and not for sale*, these specific vendor mechanisms are not applicable. The ability to run a personal strategy live is governed by the user's overall platform license (Free, Lease, or Lifetime), which enables or disables the core automation engine for their account, not by the presence or absence of a vendor-specific tag within their private script.

The following table summarizes the key differences relevant to custom strategies:

Feature	Free License / Free Live Key	Monthly (Lease) License	Lifetime License
<b>Cost</b>	\$0	\$99/month (example)	\$1,499 one-time (example)
NinjaScript Development	Yes (for simulation)	Yes	Yes
Backtesting (Strategy Analyzer)	Yes (basic, for simulation)	Yes	Yes
Simulated Trading (Custom Scripts)	Yes	Yes	Yes

<b>Live Automated Trading (Custom Scripts)</b>	<b>No</b> <sup>8</sup>	<b>Yes</b> <sup>7</sup>	<b>Yes</b> <sup>7</sup>
Advanced Trade Management (Live)	No <sup>8</sup>	Yes	Yes
Order Flow+ Add-On	No <sup>14</sup>	Available Separately	Included <sup>9</sup>

*Pricing and specific feature bundles are subject to change by NinjaTrader. Current details can be found on their pricing page.<sup>9</sup>*

## 5. Advanced Features and Important Considerations

Beyond basic live automation, certain advanced platform features, when incorporated into or used by personally coded strategies, also have licensing implications.

### 5.1. Advanced Trade Management (ATM) Strategies with Custom Scripts

NinjaTrader's Advanced Trade Management (ATM) strategies allow for pre-defined stop-loss and profit target orders, semi-automated trade management, and more.<sup>15</sup> **If a personally coded NinjaScript strategy is designed to utilize or trigger these ATM functionalities for managing its trades in a live market, a paid license (Lease or Lifetime) is required.** The Free Live Trading license key does not support the use of ATM Strategies in a live environment.<sup>8</sup> Consequently, if a custom automated strategy's logic relies on ATM features for its execution or risk management in live trading, the underlying need for a paid license for ATM functionality extends to

the custom strategy itself.

### 5.2. Order Flow+ Tools in Conjunction with Custom Strategies

The Lifetime license typically includes the "Order Flow + Add-On," a suite of analytical tools that provide deeper market insights, such as volume profile and VWAP indicators.<sup>9</sup> If a personally coded strategy is developed to use data or indicators from the Order Flow+ toolset for its decision-making logic, then live deployment of such a strategy would necessitate a license that grants access to these premium tools. Some user discussions suggest that access to order flow indicators or strategies using them is not available with the free version <sup>14</sup>, aligning with Order Flow+ being a premium feature set. This illustrates how the design of a custom strategy, particularly its data dependencies, can influence the required license tier for effective live operation.

### 5.3. Relevant Points from NinjaTrader's Terms of Service (ToS)

NinjaTrader's Terms of Service (ToS) provide the overarching legal framework for using the platform and its software.<sup>16</sup> Key points relevant to users developing and running their own strategies include:

- **Platform is Licensed, Not Sold:** Access to the NinjaTrader platform is granted via a license, and the software remains the proprietary intellectual property of the company.<sup>16</sup> This is the foundation of their licensing model.
- **User Responsibility:** Users are solely responsible for the content they transmit or store via the platform, which includes their custom-coded strategies and any trading decisions or actions resulting from them.<sup>16</sup>
- **Disclaimer of Warranties:** NinjaTrader disclaims warranties regarding the platform's performance, suitability for a specific



purpose, and technical support services.<sup>16</sup> This implies that users run their custom strategies at their own risk, and the platform does not guarantee their error-free operation or profitability.

- **Lifetime License Conditions:** For users opting for a lifetime license, it's important to note that NinjaTrader reserves the right to change features associated with the platform and may discontinue support for the platform at any time. Lifetime licenses are non-transferable and for non-concurrent use by the individual purchaser.<sup>16</sup>
- **Platform Stability and Accessibility:** The ToS acknowledges that the platform may be inaccessible or inoperable due to various reasons, including hardware or software malfunctions, maintenance, or other causes beyond the company's control.<sup>16</sup> Users relying on automated strategies must be aware of these potential disruptions.

While the ToS does not detail specific feature limitations per license tier, it establishes that all use of the platform is subject to the license agreement. This grants NinjaTrader the authority to define what each license permits, including the execution of automated strategies. The "as-is" nature of the platform underscores the user's full accountability for the design, testing, and outcomes of their custom-coded strategies.

## 6. Conclusion and Strategic Recommendations

The determination of whether a license is needed to run personally coded strategies on NinjaTrader hinges primarily on the intended environment for their execution: simulated or live automated trading.

A paid license (either Monthly/Lease or Lifetime) is **essential** for traders who intend to deploy their personally coded NinjaScript

strategies for **fully automated execution in a live trading environment**.<sup>7</sup> This is the defining threshold where the Free license becomes insufficient.

For activities confined to strategy development, comprehensive backtesting against historical data, and running custom strategies in a simulated trading environment (e.g., using Sim101 or Playback connections), the **Free license is generally adequate**.<sup>1</sup> This allows traders to learn NinjaScript, build their algorithms, and thoroughly test them without initial financial commitment for a license.

When selecting the most appropriate license, traders should consider their objectives:

- **For Learning, Development, and Simulation Only:** If the primary goal is to learn NinjaScript, develop strategies, and test them exclusively in simulated environments without any live automated trading, the **Free license** will suffice.
- **For Occasional or Part-Time Live Automated Trading:** Traders planning to deploy automated strategies live but seeking flexibility or wishing to manage upfront costs may find the **Monthly (Lease) license** suitable. This tier provides the necessary capabilities for live automation.<sup>7</sup>
- **For Serious, Active Live Algorithmic Trading:** Dedicated algorithmic traders who anticipate extensive live use of custom strategies, and who may benefit from features like the Order Flow+ add-on, will likely find the **Lifetime license** to be the most cost-effective and comprehensive option in the long term.<sup>7</sup>

It is also important to consider that if custom strategies are designed to integrate with or rely on other premium platform features for live trading, such as Advanced Trade Management (ATM) strategies<sup>8</sup> or

Order Flow+ indicators<sup>9</sup>, the chosen license must support these underlying components for the strategy to function as intended in a live market.

In summary, NinjaTrader's licensing model facilitates broad access for strategy development and simulation at no cost, creating a pathway for users to gain proficiency. The requirement for a paid license is triggered when these personally developed strategies are transitioned to a live brokerage account for automated trading. Users should carefully assess their intended use case—simulation versus live automation—and the specific features their strategies require to select the appropriate license tier.

#### Works cited

1. NinjaTrader – A Complete Guide with Images - Earn2Trade, accessed June 3, 2025, <https://www.earn2trade.com/blog/ninjatrade-review/>
2. How to Import a NinjaScript Assembly to NinjaTrader - YouTube, accessed June 3, 2025, <https://www.youtube.com/watch?v=FCV0YuyXZ-c>
3. NinjaScript Best Practices - NinjaTrader 8, accessed June 3, 2025, [https://ninjatrade.com/support/helpguides/nt8/ninjascript\\_best\\_practices.htm](https://ninjatrade.com/support/helpguides/nt8/ninjascript_best_practices.htm)
4. The Strategy Development Process - NinjaTrader 8, accessed June 3, 2025, [https://ninjatrade.com/support/helpguides/nt8/the\\_strategy\\_development\\_process.htm](https://ninjatrade.com/support/helpguides/nt8/the_strategy_development_process.htm)
5. Control Center > Strategies Tab - NinjaTrader Desktop, accessed June 3, 2025, <https://support.ninjatrade.com/s/article/How-Can-I-Learn-More-About-the-Control-Center-Strategies-Tab>
6. Custom Strategies | Affordable Indicators – NinjaTrader, accessed June 3, 2025, <https://affordableindicators.com/ninjatrade-programming/custom-strategies/>
7. NinjaTrader License: Unlock Your Trading Potential with the Right Plan - TradeFundrr, accessed June 3, 2025, <https://tradefundrr.com/ninjatrade-license/>
8. Is not "Trading" features available in "Free Live Trading" package? - NinjaTrader Support Forum, accessed June 3, 2025, <https://forum.ninjatrade.com/forum/ninjatrade-8/platform-technical-support-aa/1087154-is-not-trading-features-available-in-free-live-trading-package>
9. Online Trading Platform - No Deposit Minimum Required - NinjaTrader, accessed June 3, 2025, <https://ninjatrade.com/pricing/>
10. NinjaScript Resources ... - NinjaTrader Developer Community, accessed June 3, 2025, [https://developer-d.ninjatrade.com/docs/desktop/user\\_based\\_licensing\\_migration](https://developer-d.ninjatrade.com/docs/desktop/user_based_licensing_migration)

[n\\_guide](#)

11. NinjaScript Resources & Documentation - NinjaTrader Developer Community, accessed June 3, 2025,  
[https://developer-d.ninjatrade.com/docs/desktop/user\\_based\\_licensing\\_faq](https://developer-d.ninjatrade.com/docs/desktop/user_based_licensing_faq)
12. NinjaScript Resources & Documentation - NinjaTrader Developer Community, accessed June 3, 2025,  
[https://developer-d.ninjatrade.com/docs/desktop/user\\_based\\_licensing\\_quick\\_start\\_guide](https://developer-d.ninjatrade.com/docs/desktop/user_based_licensing_quick_start_guide)
13. Atm not on free licence? - NinjaTrader Support Forum, accessed June 3, 2025,  
<https://forum.ninjatrade.com/forum/ninjatrade-8/platform-technical-support-aa/1095004-atm-not-on-free-licence>
14. NinjaTrader free version. Automated trading - Reddit, accessed June 3, 2025,  
[https://www.reddit.com/r/ninjatrade/comments/1cmcnxm/ninjatrade\\_free\\_version\\_automated\\_trading/](https://www.reddit.com/r/ninjatrade/comments/1cmcnxm/ninjatrade_free_version_automated_trading/)
15. Strategy Settings - NinjaTrader Desktop, accessed June 3, 2025,  
[https://support.ninjatrade.com/s/article/Strategy-Settings?language=en\\_US](https://support.ninjatrade.com/s/article/Strategy-Settings?language=en_US)
16. TERMS OF SERVICE AGREEMENT - NinjaTrader 8, accessed June 3, 2025,  
<https://ninjatrade.com/support/helpguides/nt8/tos.htm>