

INSTITUTIONAL SNIPER BOT

COMPLETE USER MANUAL, FEATURE HANDBOOK & BROKER INTEGRATION GUIDE

1. Executive Summary & Platform Architecture

The **Institutional Sniper Bot** is an enterprise-grade automated algorithmic trading platform engineered specifically for Indian equity, derivative, and commodity markets (NSE, BSE, and MCX). The platform bridges retail trading ease with quantitative hedge-fund execution, incorporating high-frequency option chain analytics, multi-timeframe confluences, Smart Money Concepts (SMC), and artificial intelligence verification.

- **Multi-Tenant User Isolation:** Every trader operates in an independent execution sandbox with isolated API sessions.
- **Sub-Second Execution Speed:** Direct broker API communication facilitates bracket order placement in sub-second latency.
- **Hybrid Paper & Live Execution:** Seamless toggle between 100% risk-free simulation and live broker execution.
- **Multi-Segment Coverage:** Specialized trading terminals for Index Options, Intraday Stocks, MCX, and Positional Swing.

2. Core Trading Engines & Market Segments

- **Index Options Sniper:** NIFTY, BANKNIFTY, FINNIFTY, MIDCPNIFTY, and SENSEX with automated ATM/ITM strike selection and real-time open interest analytics.
- **Equity Intraday Terminal:** High-momentum intraday screener filtering the Nifty 50 and Nifty 200 universe for rapid volume breakout entries.
- **MCX Commodity Terminal:** Gold, Silver, Crude Oil, Natural Gas, Copper, and Zinc with full evening session coverage up to 11:55 PM IST.
- **Swing Delivery Terminal:** Positional delivery trades designed for multi-day compounding with systematic trailing profit protection.

3. Advanced Institutional Algorithms & Signal Logic

A. Trend Filter Identifier (M15 EMA 55/200 Macro Directional Lock)

A dedicated trend identification engine that evaluates the **15-minute (M15) timeframe** using Exponential Moving Average 55 and 200 crossover math. When market price is **ABOVE** the crossover, the system permits **BUY / CALL trades only**; when market price is **BELOW** the crossover, the system permits **SELL / PUT trades only**. This directional lock effectively eliminates false counter-trend whipsaws.

B. DeepSeek & Neural AI Signal Verification Engine

Incoming strategy breakouts are fed into an integrated neural AI filter that assesses India VIX volatility regime, market breadth, macroeconomic calendar events, and momentum strength. Users can configure confidence thresholds from 5% to 80% (50% balanced default).

C. Proprietary Institutional Strategy Suite

- **Smart Money Concepts (SMC):** Identifies institutional order blocks, fair value gaps (FVG), and liquidity sweeps.
- **Vyom M1 Scalper:** Hyper-fast scalping algorithm for swift option premium expansions.
- **PCR & Open Interest Flow:** Real-time Put-Call Ratio and cumulative OI buildup tracking.
- **Gold Sniper:** Volatility expansion breakout algorithm calibrated specifically for precious metals.

4. Intelligent Capital Preservation & Risk Management

The Sniper Bot operates with strict mathematical risk boundaries designed to protect trading capital at all costs:

- **Max Daily Loss Limit:** Hard automated kill-switch that terminates bot activity for the day once drawdown is touched.
- **Max Daily Profit Target:** Locks in profits to prevent giving back gains during choppy afternoon reversals.
- **Max Trades Per Day:** Prevents overtrading and excessive brokerage fees.
- **Dynamic Trailing Stop Loss:** Real-time bracket trailing locks in profit as the trade progresses towards targets.
- **Auto Square-Off:** Closes all intraday MIS/Option positions before market closing (e.g. 3:15 PM IST).

5. Supported Broker Integrations & API Credentials

The bot natively connects to India's premier SEBI-registered brokers via official, secure REST and WebSocket APIs. All credentials are encrypted locally with enterprise-grade AES encryption.

Broker	Authentication Method	Key Capabilities	Supported Segments
Nuvama	API Key, Secret, TOTP / Request ID	Live balance fetch, Bracket orders, WebSocket LTP	Equity, F&O, MCX
Zerodha	Kite API Key, Secret + Token	Sub-second WebSocket, depth quotes, GTT orders	Equity, F&O, Currency
Angel One	Client Code, MPIN, API Key, TOTP	SmartAPI v2, full auto TOTP daily handshake	Equity, F&O, MCX
Upstox	API Key, Secret, OAuth Token	Upstox v2 API, ultra-low execution latency	Equity, F&O, MCX
Dhan	Client ID, Access Token (DhanHQ v2)	Dedicated Options API, instant webhook callbacks	Equity, F&O, MCX
Paper Mode	Built-in Simulator	Real-time ticks, virtual wallet, simulated slippage	All Segments

6. Step-by-Step 'How-To-Use' Operating Manual

- **Step 1: Access Client Portal:** Open your dedicated bot address in any browser (e.g. http://:5000) and log in with your customer account.
- **Step 2: Broker Setup & Verification:** Navigate to **Settings**. Select your broker, enter your API credentials, and click **Save** followed by **Test Connection** to ensure a verified handshake.
- **Step 3: Select Segment Terminal:** Click **Deploy Bot** for Index Options, **Stock Sniper** for Equities, **MCX Sniper** for Commodities, or **Swing Sniper** for Positional trades.
- **Step 4: Configure Strategy & Risk Filters:** Choose trading mode (PAPER for zero risk or LIVE for real money), select an institutional strategy (e.g. Vyom M1 Scalper or SMC), toggle ON the **Trend Filter Identifier** and **AI Signal Filter**, and set your Max Daily Loss and Profit limits.
- **Step 5: Launch & Live Monitoring:** Click the green **Start Bot** button. The status changes to RUNNING. Monitor real-time tick chart, target and stop loss bars, active trades, and PnL metrics in the live table.
- **Step 6: Emergency Overrides:** To stop trading at any time, click **Stop Bot**. In volatile emergencies, click **Square Off All** to liquidate open positions immediately.

7. Key Advantages of Joining the Institutional Sniper Bot

A direct comparison between traditional discretionary retail trading and the Institutional Sniper Bot:

Key Dimension	Manual Retail Trading	Institutional Sniper Bot
Execution Speed	3–10 seconds (frequent slippage)	Sub-second bracket order execution
Psychological Factor	Prone to fear, greed, FOMO & revenge trades	100% systematic, emotion-free discipline
Market Coverage	Can monitor only 1 or 2 charts at a time	Simultaneous multi-index & multi-stock scan
False Breakout Defense	Frequent whipsaws in sideways sessions	M15 EMA 55/200 Trend & DeepSeek AI filters
Risk Management	Mental stops frequently ignored or moved	Hard automated kill-switches & profit locks
Custody & Safety	Handing money to unauthorized fund managers	100% Non-custodial — funds stay in your broker
Time Freedom	Glued to terminal screens for 6+ hours daily	Full automation on 24/7 cloud VPS

8. Frequently Asked Questions (FAQ) & Best Practices

- Q: Are my trading funds safe with the bot?**

A: Yes, 100%. The bot communicates via official SEBI-registered broker APIs using trade-only permissions. It cannot withdraw or transfer your capital. Your funds remain in your personal account.
- Q: Can I paper trade before using real capital?**

A: Yes. The built-in Paper Trading engine mirrors live market prices with tick-by-tick realism so you can validate strategies risk-free.
- Q: Do I need to keep my laptop or computer open?**

A: No. The bot is designed to run on a cloud VPS server (as configured), operating 24/7 independently even if your laptop or phone is turned off.
- Q: How does the Trend Filter Identifier improve win-rates?**

A: By enforcing trades exclusively in the direction of the 15-minute EMA 55/200 crossover, it filters out 70%+ of counter-trend noise and chop.

■ SECURITY & NON-CUSTODIAL ASSURANCE:

The Sniper Bot operates strictly through official broker APIs with trade-only permissions. It has zero deposit or withdrawal capabilities. Your trading capital and investments remain 100% safe inside your own SEBI-registered broker account at all times.