MofoliFX

NINJATRADER 8 INDICATOR

Market Sessions

User Manual

Which markets are open right now? A small square under every candle tells you.

mofoli.com/market-sessions

MofoliFX is not affiliated with NinjaTrader. Version 1.2.

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1. What it shows

Market Sessions puts a thin strip at the bottom of the chart. Every market gets a row, and under every candle there is a small square. If the square is in the market's color, that market was open when the candle formed. If it is grey, it was closed.



Mark	Meaning
Open	Full color.
Closed	Dim grey.
Holiday	An empty frame in the market's color. The exchange is shut that day.
Pre / post	A dimmer shade of the market color: pre-market, after-hours, auction or lunch break. Only drawn if you switch it on, otherwise these count as closed.

You enter the hours as the exchange keeps them, in its own local time, and the indicator works out the rest. Summer and winter time are handled per market, so the strip stays right when the US and Europe change their clocks on different weekends. Bank holidays come from the ForexFactory calendar.

The strip is part of the price panel, not a separate one. The price scale is stretched down a little to make room, so it never covers a candle.

FOR PROP FIRM TRADERS

A prop account leaves little room for surprises, and a lot of the surprises are about the clock: a session that has not opened yet, a market that is shut for a holiday, a cut-off you forgot to convert to your time zone. The strip shows the first two at a glance, and the daily close line (section 5) puts the cut-off of your firm on the chart.

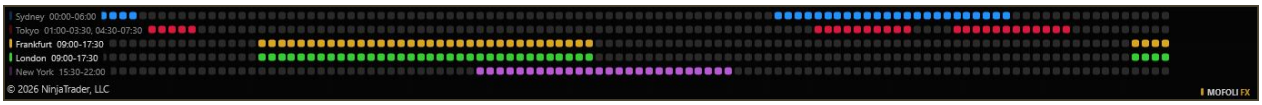


Figure 1. *Boxes style on a live NinjaTrader chart.*

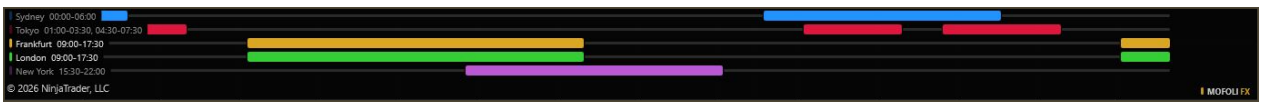


Figure 2. *The same chart in Bands style.*

2. Installation

The indicator is free but needs a license key. Without one it draws nothing and only shows a short note with your machine ID.

Step	What to do
1	Create an account on **mofoli.com/market-sessions** and confirm your e-mail address.
2	Press **Get free license**. The key appears.
3	In NinjaTrader go to **Tools > Import > NinjaScript Add-On...** and pick **MofoliMarketSessions.zip**.
4	Add the indicator to a chart (right-click > Indicators, folder **MofoliFX**) and paste the key into **0 License > License key**.

One key works on up to 3 PCs. After the first successful check the indicator also starts without an internet connection.

If you prefer to install by hand, copy the file to `Documents\NinjaTrader 8\bin\Custom\Indicators\MofoliFX\MarketSessions.cs` and press F5 in the NinjaScript Editor.

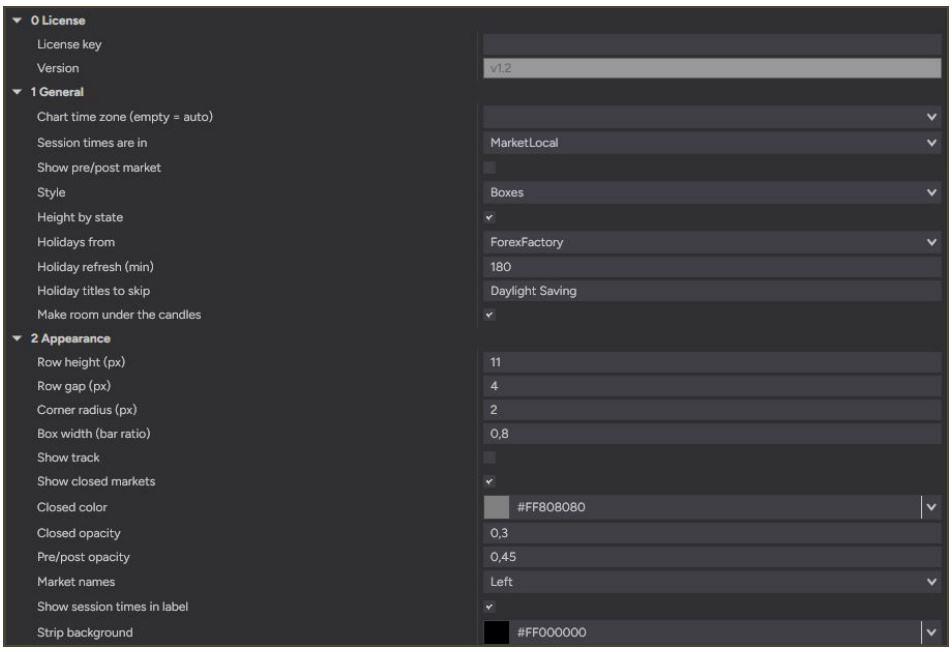


Figure 3. *The indicator settings: License, General and the start of Appearance.*

3. Where to start

The defaults are usable as they are. In practice most people touch only a few things.

Show pre/post market is the one I would try first. With it on, the pre-market and after-hours periods show up in a dimmer color, which tells you a lot about when New York really starts to matter. **Style** switches between squares and continuous bars, and it is a matter of taste. **Row height** makes everything bigger, worth a look on a small screen or when you record the chart. **Market names** moves the labels to the right or hides them.

A tidy setup is the defaults. A fuller one has Show pre/post market and Show track switched on. A calmer one uses Style: Bands with Height by state on.

4. Markets and time zones

There are six market rows, each with its own name, color and hours. Enter the hours in the **exchange's local time**, and pick the exchange's time zone from the drop-down list of the same market. The list shows the UTC offset first and then the name, for example `UTC+1 Amsterdam, Berlin, Bern, Rome`. The indicator converts to your chart time and applies daylight saving on its own.

Hours are written as `09:00-17:30`. Add a second range for a lunch break (`09:00-11:30, 12:30-15:30`). A range across midnight works too (`22:00-02:00`).

Market	Time zone in the list	Main hours (local time)
Sydney	`UTC+10 Canberra, Melbourne, Sydney`	`10:00-16:00`
Tokyo	`UTC+9 Osaka, Sapporo, Tokyo`	`09:00-11:30, 12:30-15:30`
Frankfurt	`UTC+1 Amsterdam, Berlin, Bern, Rome...`	`09:00-17:30`
London	`UTC Dublin, Edinburgh, Lisbon, London`	`08:00-16:30`
New York	`UTC-5 Eastern Time (US & Canada)`	`09:30-16:00`
Hong Kong (off by default)	`UTC+8 Beijing, Chongqing, Hong Kong...`	`09:30-12:00, 13:00-16:00`

Bank holidays

On a bank holiday the market is treated as closed for the whole day and the squares turn into empty frames. The dates come from the ForexFactory calendar, which the indicator downloads and stores itself. The calendar does not cover Hong Kong, so if you use that row, type its holidays into **Holiday dates** (for example `2026-12-25`).

5. Daily close line

WHY IT MATTERS ON A PROP ACCOUNT

Many firms want every position flat before a daily cut-off, and a position left open past it can cost you the account. The daily close line marks that time on the chart on every day, in the time zone of your firm, so there is nothing to convert in your head at the end of a long session.

Switch on **Show daily close line** in the **2b Daily close** group, enter your firm's time in **Close time** and pick its time zone. The default is 16:59 Eastern Time (US & Canada), which follows daylight saving. Line text, color and width are optional.

The default is only an example. Cut-off times differ from firm to firm and sometimes from account type to account type, so read your own rules and enter that time.



Figure 4. *The daily close line.*

What it gives you on a funded account

Situation	What the indicator does
Your firm's daily cut-off	A vertical line at that time on every day, with daylight saving taken care of.
Trading around the London and New York open	The market squares change color when the session opens and closes, in your chart time.
Bank holidays	An empty frame on the days a market is shut, so a thin session does not catch you out.
More than one firm or account	The cut-off time and time zone are yours to set, so each setup can use its own.

6. All settings

The groups are the same as in the indicator window. Group 0 License also holds the read-only **Version**. Figures 5 and 6 after the tables continue the window from Figure 3: the end of Appearance, the daily close group and the market rows.

General

Setting	Default	What it does
Session times are in	MarketLocal	Leave it as is. The hours you enter are the exchange's own local hours, so nothing needs changing when the clocks change. ChartTime is there for those who prefer to type hours in chart time, but then the US and Australian clock changes have to be corrected by hand.
Show pre/post market	Off	On: pre-market, after-hours, auctions and lunch breaks show up in a dimmer color. Off: they count as closed.
Style	Boxes	Boxes is one square per candle. Bands joins neighbouring candles with the same state into one continuous bar.
Height by state	On	Bands only. Closed is a thin line, pre/post a medium bar, open the full height.
Holidays from	ForexFactory	Source of the bank holidays. ForexFactory is the automatic calendar, Manual uses only the dates you type in, Off switches holidays off.
Make room under the candles	On	Stretches the price scale downward by the height of the strip, so the lowest candle never runs into it.
Chart time zone	empty	Leave it empty and the indicator uses the time zone of your chart. Set it only if the chart clock runs in a different one.
Holiday refresh (min)	180	How old the downloaded calendar may get before it is fetched again (15 to 1440). The download runs in the background.
Holiday titles to skip	Daylight Saving	Calendar entries containing these words are ignored. ForexFactory lists the clock change as a holiday, which it is not.

Appearance

Setting	Default	What it does
Row height (px)	11	Height of a market row, and the size of the squares in Boxes style (4 to 80).
Row gap (px)	4	Space between the rows.
Corner radius (px)	2	Rounding of the squares and bars. 0 is square.
Box width (bar ratio)	0.8	Width of a square against the candle spacing. At 1.0 the squares touch.
Show closed markets	On	Draws the dim grey mark while a market is closed.
Show track	Off	A faint lane behind each row, so the closed parts have something to sit on.
Closed color / opacity	Gray / 0.3	Color and transparency of the closed mark.
Pre/post opacity	0.45	Transparency of the pre/post mark. Lower is dimmer.
Market names	Left	Left, Right or Off.
Show session times in label	On	Adds the hours in chart time next to the name (London 09:00-17:30). Handy for checking against the time axis.
Strip background / opacity	Black / 0.95	Background of the strip. Below 1.0 the candles show through a little.
Market name color / size	Gainsboro / 10	Color and font size of the names.
Space for the NinjaTrader text (px)	22	NinjaTrader prints its own text in the bottom left corner. The rows stay this far above the edge so they do not run into it.
Show Mofoli FX mark	On	A small MOFOLI FX mark in the bottom right corner of the strip.

Daily close (group 2b)

Setting	Default	What it does
Show daily close line	Off	Draws a vertical line at the cut-off time on every day of the chart.
Close time (HH:mm)	16:59	The cut-off time, in the time zone below.
Close time zone	Eastern Time (US & Canada)	Pick it from the list. It follows daylight saving. Empty means the chart clock.
Line text	Daily close	Text next to the line, with the time added. Empty for no text.
Line color	Tomato	Color of the line.
Line width (px)	2	1 to 6.

Markets (Market 1 to 6)

Setting	Default	What it does
Show	on (Market 6 off)	Switches the row on or off. The sixth market, Hong Kong, is off by default.
Name	Sydney, Tokyo, Frankfurt, London, New York, Hong Kong	Rename it to whatever you like.
Color		The color of the market on the strip.
Time zone		The exchange's time zone, from the drop-down list.
Main sessions		Regular trading hours in the exchange's local time, e.g. 09:30-16:00. Several ranges are separated by commas.
Pre / post sessions		Pre-market, after-hours and auctions, same format. Drawn only when Show pre/post market is on.
Days	MonFri	MonFri, SunFri, MonSat or AllDays.
Holiday currency		The currency whose bank holidays close this market, e.g. USD. A keyword can follow after a colon (EUR:German) to narrow it down.
Holiday dates		Your own closed days: 2026-12-25 for one day, 12-25 for every year, separated by commas.

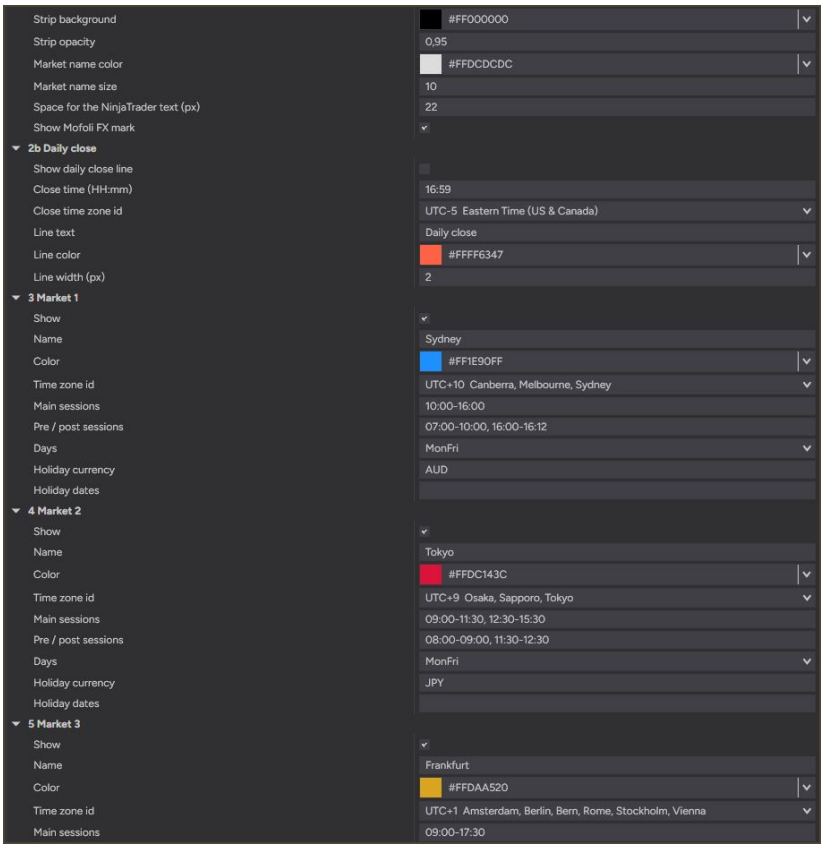


Figure 5. *Appearance (end), 2b Daily close, Market 1 and Market 2, and the start of Market 3.*

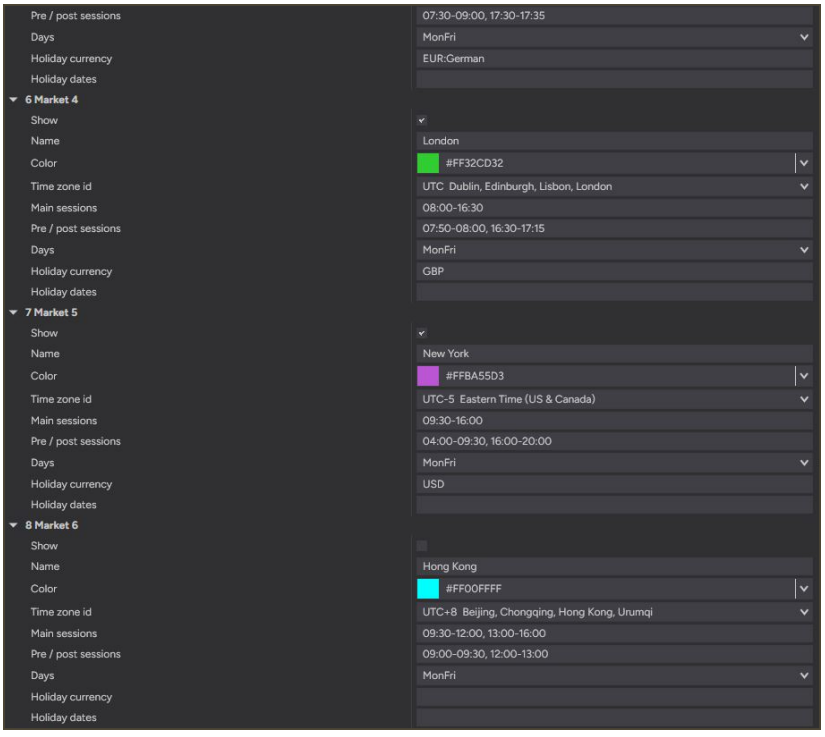


Figure 6. *Market 3 to Market 6.*

7. When something looks wrong

Problem	What to check
Nothing is drawn.	Almost always the license key. Paste it into **0 License > License key**. The note on the chart shows your machine ID.
The strip does not line up with the time axis.	Switch on **Show session times in label** and compare. Then check the time zone of that market.
A holiday is missing.	Look at **Holidays from** and **Holiday currency**. If the calendar does not list the day, type it into **Holiday dates**.
Names run into the squares.	Lower **Market name size**, or raise **Row height** and **Row gap**.
No daily close line.	It is off by default. Switch it on in group 2b and check the time and the time zone.

Still stuck? Write to us through your account on mofoli.com, in the Support section.