

DemQora Technologies

MARKET STRUCTURE MULTI TF CHART

User Manual

MS 1.1

Rev. 1

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What is MS 1.1?

MS 1.1 - Market Structure Multi TF Chart is a market-structure visualization and decision-support Expert Advisor / Indicator for MetaTrader 5. It brings Main-TF and selected Reference-TF structure onto one chart so the user can read direction, breakout context, structural levels, Demand/Supply areas, Range conditions and candlestick-pattern events without constantly switching between charts.

What MS 1.1 brings together

- Trend and accepted structural swing progression
- High / Low and Key Level structure
- Break of Level (BOL) and breakout context
- POI and SM Demand / Supply areas
- Active Range and Range Breakout context
- Main-TF and Reference-TF structure, object lifecycle states, patterns and alerts

What it is designed to do

- Reduce unnecessary chart switching.
- Organize confirmed market structure visually.
- Help the user build bullish, bearish or neutral structural bias.

What it does not do

- It does not predict price with certainty.
- It does not replace the user's trading decision.
- Auto Trading is not available in MS 1.1 Release 1.

Who is it for?

For traders who want a structured multi-timeframe view of market structure directly on one MT5 chart.

Recommended reading approach

Trend -> Range -> BOL -> POI / SM -> Reference TF context -> Patterns / Alerts

Install and Attach MS 1.1

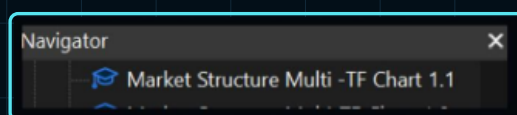
MS 1.1 is distributed through the MQL5 Market. No manual copying of product files into the MetaTrader Data Folder is required for the normal end user.

- 1 Open MetaTrader 5 and sign in to the MQL5 account used to obtain MS 1.1.
- 2 Install / activate MS 1.1 from the MQL5 Market.
- 3 Open the symbol you want to analyze and choose the chart timeframe that will be the Main TF.
- 4 Locate the installed MS 1.1 version in Navigator, drag it onto the chart and confirm the normal MetaTrader attachment dialog.

Navigator paths

Expert Advisor version	Navigator > Expert Advisors > Market > MS 1.1
Indicator version	Navigator > Indicators > Market > MS 1.1

Example Navigator entry



Important

Purchase and installation are handled through MQL5 Market. Do not manually copy MS 1.1 files into MQL5\Experts or MQL5\Indicators.

First Session Checklist

After MS 1.1 is attached, use this order for the first session. The goal is a clean, stable chart before adding extra detail.

1 Wait until the initial loading / update message disappears. Do not judge missing objects while synchronization is still running.

2 Confirm the chart timeframe you want to use as the Main TF.

3 Start with Basic for maximum clarity or Standard for balanced BOL + POI + SM context.

4 Enable one useful Reference TF only if you need additional timeframe context.

5 If you want Reference-TF BOL / POI / SM Zones or individual Lines / Zones / Executed visibility, switch to Custom.

6 Change settings only after the chart is ready; then read the final committed state.

Recommended first-use setup

Basic or Standard preset

Main TF + one useful Reference TF

Keep the chart simple first; add Custom visibility only when you need more detail.

Ready check

Continue only when the loading message has disappeared and the panel, labels, lines and zones have stopped changing. The next page explains the key setup terms used throughout the manual.

Core Setup Concepts

These terms describe how MS 1.1 is configured before you begin detailed chart reading. The public MS 1.1 Inputs are shown here together with the chart setup concepts they work alongside.

Chart setup concepts

Concept	Meaning
Main TF	The active chart timeframe. Main-TF panel state and chart logic follow this timeframe.
Reference TF	Optional structure from another timeframe overlaid on the same chart. It is additional context; R- does not mean Reference TF.
Preset	A visibility bundle such as Basic, Performance, Standard or Full. Presets change what is shown, not the underlying market calculations.
Custom	Granular per-TF control of BOL / POI / SM Lines, Zones and Executed history.
Executed / X1 / X2	Broken structure retained as historical context. It does not mean a market order was executed.

Public MS 1.1 Inputs

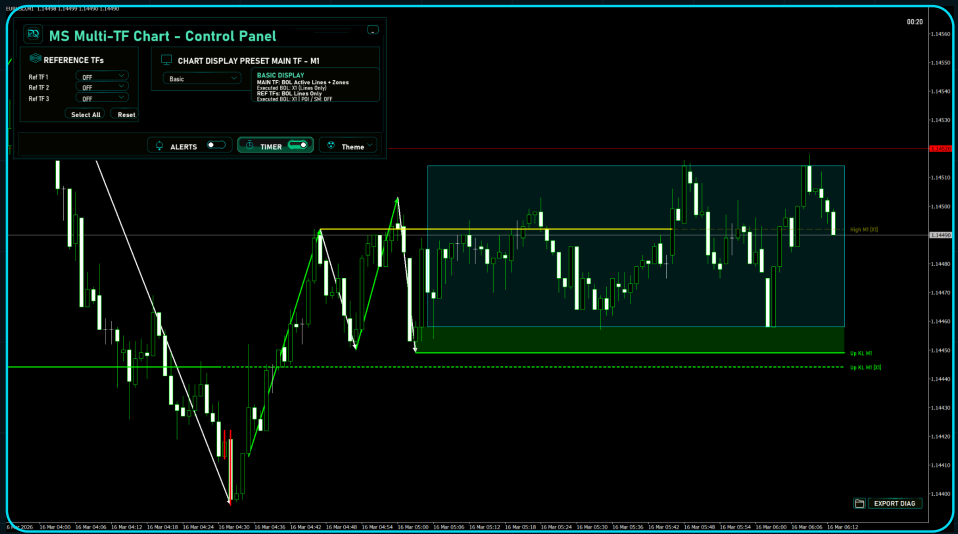
Input	Default	What it controls
HistoryRenderBars	250	How much history MS 1.1 renders/rebuilds. Deeper history increases load/resource use.
MS_EnablePatternAlerts	true	Independent category gate for candlestick-pattern notifications. Detection/scoring continue when delivery is OFF.
MS_EnableStructureAlerts	true	Independent category gate for BOL / POI / SM / Range structural notifications. Structure calculations continue when delivery is OFF.
MS_EnableTelegramAlerts	true	Allows eligible alerts to be mirrored to Telegram when the Telegram connection is configured.
MS_TelegramChatID	blank	Your numeric Telegram Chat ID. Required only if Telegram delivery is used.
MS_TelegramSendTestOnInit	false	One-time connection-test switch. Set true for the first test, then return it to false.

Alert delivery hierarchy

Pattern: MS_EnablePatternAlerts = true + panel ALERTS = ON.
Structure: MS_EnableStructureAlerts = true + panel ALERTS = ON.
Telegram: eligible alerts are mirrored only when Telegram is enabled/configured. Test Telegram on Init is only for the connection test.

Two distinctions to remember
R- identifies structure created after a confirmed Range Breakout; it does not identify a Reference TF. Executed describes a broken structural lifecycle state; it does not describe trade execution.

First Load: What "Ready" Looks Like



A completed first-load chart. Your exact objects will differ with the market state, preset and enabled Reference TFs.

Check	What you should see
Main TF	The active chart timeframe is the working timeframe. Panel text and object logic follow this TF.
Trend	The latest accepted directional legs/arrows are visible. On a fresh or quiet chart, only a few may appear.
Range	If a Range is active, its body rectangle, boundaries and logic are visible and it controls local structure.
BOL	Current breakout levels appear with their labels; active and broken history depend on the selected preset.
POI	Fresh Demand/Supply POI zones appear where valid structure has created them and the preset keeps them visible.
SM	Smart Money zones appear where detected and enabled. Premium SM requires a sweep condition.
Labels / rail	Right-side labels show object type, timeframe and lifecycle state; connectors align labels to objects.
Reference TFs	Enabled Ref-TF lines/zones/labels appear after synchronization finishes and match the selected layers.
Control panel	The panel is visible and reflects the chosen preset, TF settings, toggles, theme and optional timer.

Normal behavior

A clean chart can still show only a few objects. MS 1.1 shows the structure that exists; it does not create zones just to fill the chart.

Your Chart in 60 Seconds



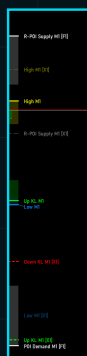
1 Trend direction

Start with the accepted directional chain. Read the newest committed UP/DOWN legs first.



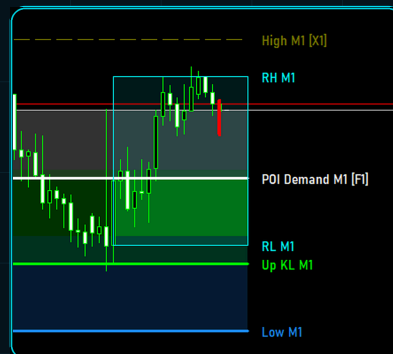
3 BOL / key levels

Horizontal breakout-validation levels such as Current High/Low and Key Levels.



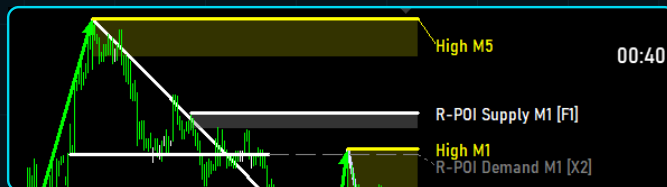
5 Right-side object stack

Labels identify object type, source timeframe and lifecycle/depth state.



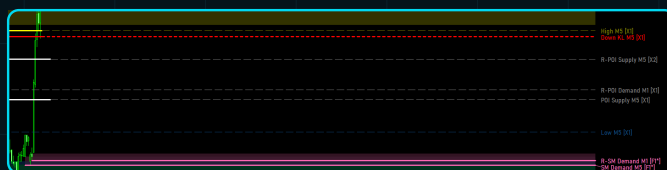
2 Range

If an Active Range exists, containment has priority over internal structure until the exit is confirmed.



4 POI / SM areas

Demand/Supply structure areas created from confirmed structure and shown by lifecycle/depth.



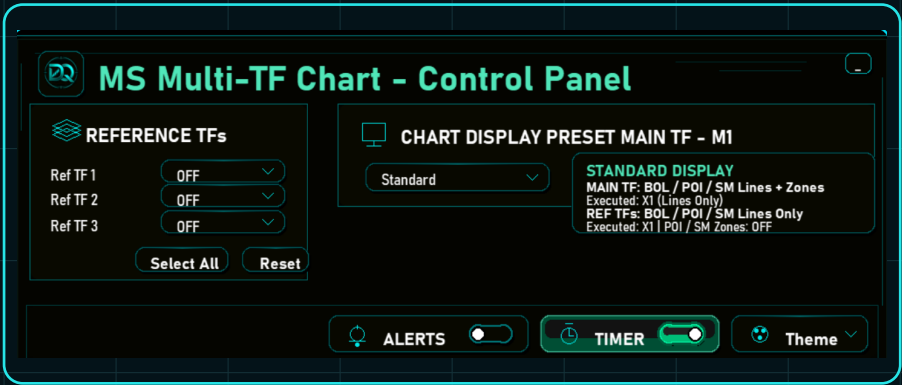
6 Reference-TF context

Reference-TF objects overlay the Main TF and can show additional timeframe levels on the same chart.

Reading order

Trend -> Range -> BOL -> nearest POI/SM -> Reference TF context -> alerts/patterns. Do not start with the alert.

Control Panel: What Each Area Does



Area	What it controls
1 Reference TFs	Choose optional reference timeframes. OFF disables the slot; the Main TF is not duplicated.
2 Preset / Apply	Basic, Performance, Standard and Full are preset-controlled views. Apply commits the selected state.
3 Main TF controls	Custom exposes detailed BOL / POI / SM Lines, Zones and Executed-depth controls for the Main TF.
4 Ref-TF controls	In Custom, each enabled Ref-TF slot expands into its own detailed configuration area.
5 Select All / Reset	Panel helpers for quickly setting or clearing the current Custom visibility choices.
6 Alerts / Timer / Theme	ALERTS is the master delivery switch. Pattern and Structure alert categories are enabled independently in MS 1.1 Inputs. Timer controls the candle timer; Theme changes presentation only.

Important - Reference TF zones

Selecting a Reference TF chooses the timeframe, but does not automatically enable its POI / SM zones. Use Custom for individual Lines, Zones and Executed controls.

Alert control hierarchy

Panel ALERTS OFF: no normal Pattern/Structure alert delivery.
Panel ALERTS ON: each category follows its own MS 1.1 Input switch.
Telegram mirrors only alerts that pass the same category + Master gates.

Key point: Turning Pattern Alerts or Structure Alerts OFF suppresses notifications for that category. It does not disable the underlying chart calculations or visualization.

Choose the Right Display Preset

 **CHART DISPLAY PRESET MAIN TF - M1**

Basic

Basic

Performance

Standard

Full

Custom

BASIC DISPLAY
MAIN TF: BOL Active Lines + Zones
Executed BOL: X1 (Lines Only)
REF TFs: BOL Lines Only
Executed BOL: X1 | POI / SM: OFF

 **CHART DISPLAY PRESET MAIN TF - M1**

Performance

PERFORMANCE DISPLAY
MAIN TF: BOL / SM Lines + Zones
Executed: X1 (Lines Only) | POI: OFF
REF TFs: BOL / SM Lines Only
Executed: X1 | POI: OFF

 **CHART DISPLAY PRESET MAIN TF - M1**

Standard

STANDARD DISPLAY
MAIN TF: BOL / POI / SM Lines + Zones
Executed: X1 (Lines Only)
REF TFs: BOL / POI / SM Lines Only
Executed: X1 | POI / SM Zones: OFF

 **CHART DISPLAY PRESET MAIN TF - M1**

Full

FULL DISPLAY
MAIN TF: BOL / POI / SM Lines + Zones
Fresh POI / SM: F2 | Executed: X2 (Lines Only)
REF TFs: BOL / POI / SM Lines Only
Fresh POI / SM: F2 | Executed: X2

 **CHART DISPLAY PRESET MAIN TF - M1**

Custom

CUSTOM DISPLAY
MAIN TF & REF TFs: Manual Setup

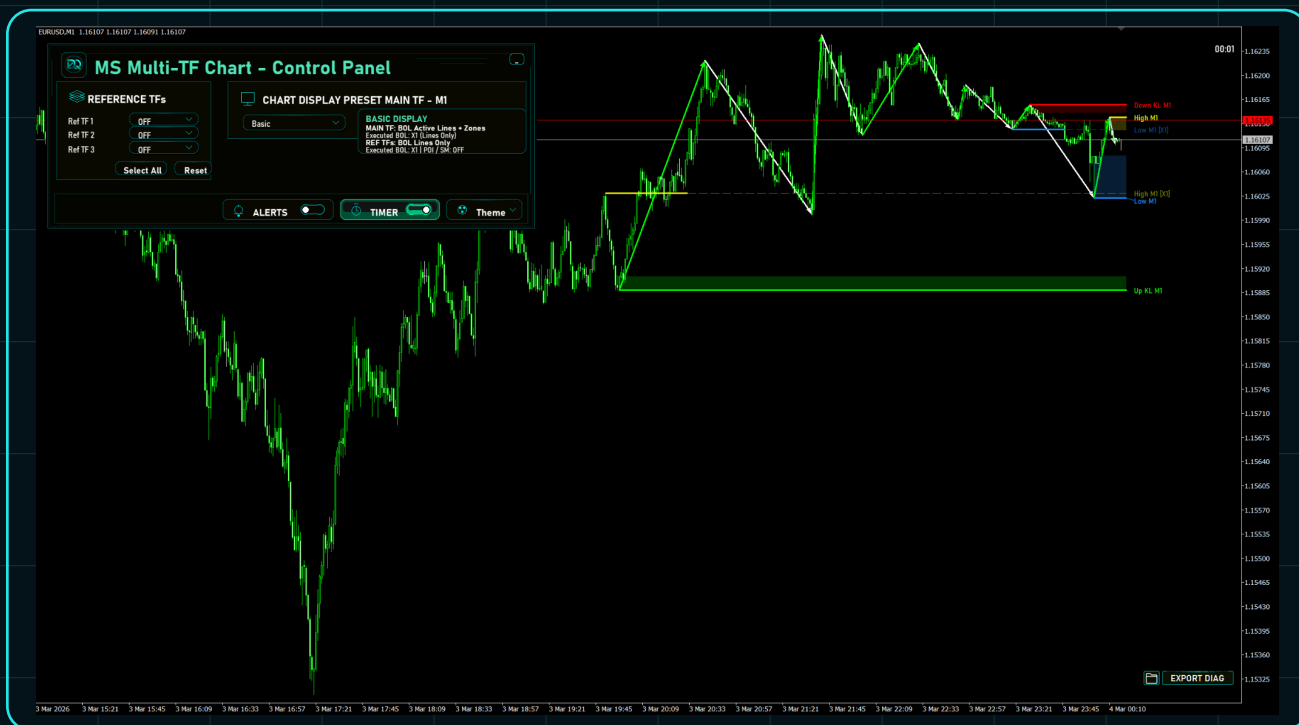
Preset	Main TF	Best use
Basic	BOL active lines + zones; executed BOL X1 lines.	Learning / maximum clarity
Performance	BOL + SM lines/zones; executed BOL X1.	Fast working view with SM context
Standard	BOL + POI + SM lines/zones; executed BOL X1.	Recommended everyday view
Full	BOL + POI + SM; fresh F2; executed X2.	Deep review / more visible history
Custom	Manual Main-TF and per-Ref-TF setup.	Exact user-defined view

Recommended starting point

Use Standard + one useful higher Reference TF. Move to Full only when the additional history answers a specific question.

Example 1 - Basic Display with no Reference TFs

This example shows the selected control panel state and the expected chart result when no Reference TFs are enabled.



Panel state:

Ref TF1 = OFF
 Ref TF2 = OFF
 Ref TF3 = OFF
 Preset = Basic

Expected chart view:

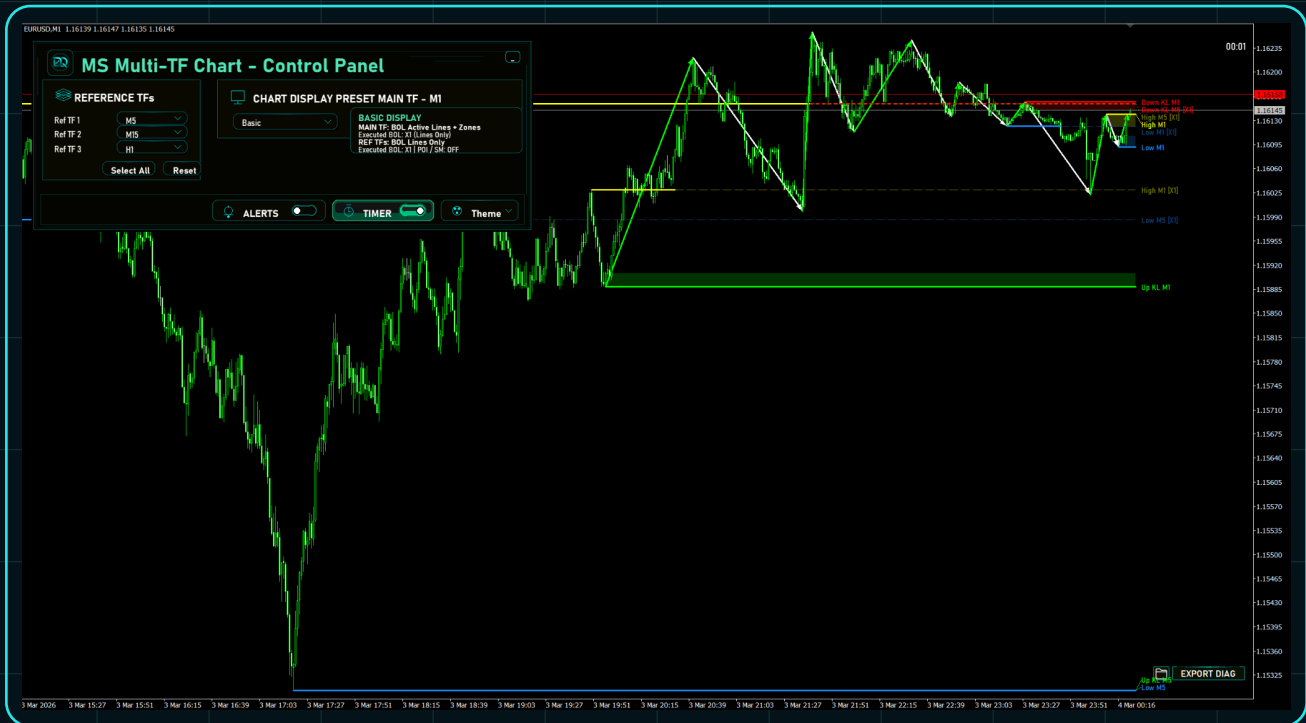
Main TF active BOL lines and zones are visible, executed BOL X1 lines only are shown, and POI / SM are hidden.

Notes:

Because all Reference TFs are OFF, no Reference TF objects appear on the chart.

Example 2 - Basic Display with Reference TFs enabled

This example shows the selected control panel state and the expected chart result when Reference TFs are enabled.



Panel state:

Ref TF1 = M5
 Ref TF2 = M15
 Ref TF3 = H1
 Preset = Basic

Expected chart view:

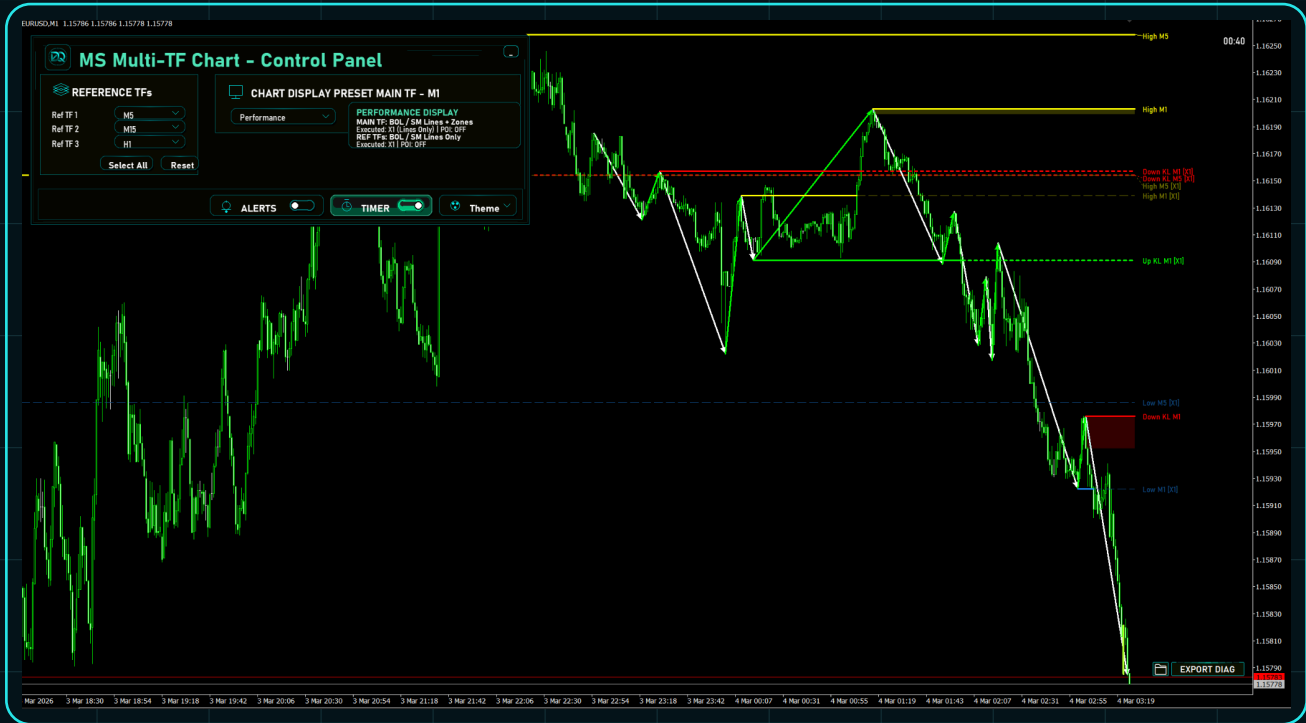
Main TF active BOL lines and zones remain visible, executed BOL X1 lines only are shown, and Reference TF BOL lines appear on the chart.

Notes:

POI / SM remain hidden in Basic Display. Reference TFs provide additional structural context.

Example 3 - Performance Display with no visible SM zone

Performance Display adds SM visibility while POI remains hidden. In this example no valid SM zone was found in the selected history period.



Panel state:

Ref TF1 = M5
 Ref TF2 = M15
 Ref TF3 = H1
 Preset = Performance

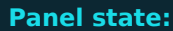
Expected chart view:

Main TF BOL and SM lines plus zones are shown, executed BOL X1 lines only are visible, Reference TF BOL / SM lines are shown, and POI is hidden.

Notes:

No SM zone is visible because no valid SM zone was found inside the selected history period. This is normal and expected.

This example shows Performance Display when a qualifying SM zone exists in the selected history window.



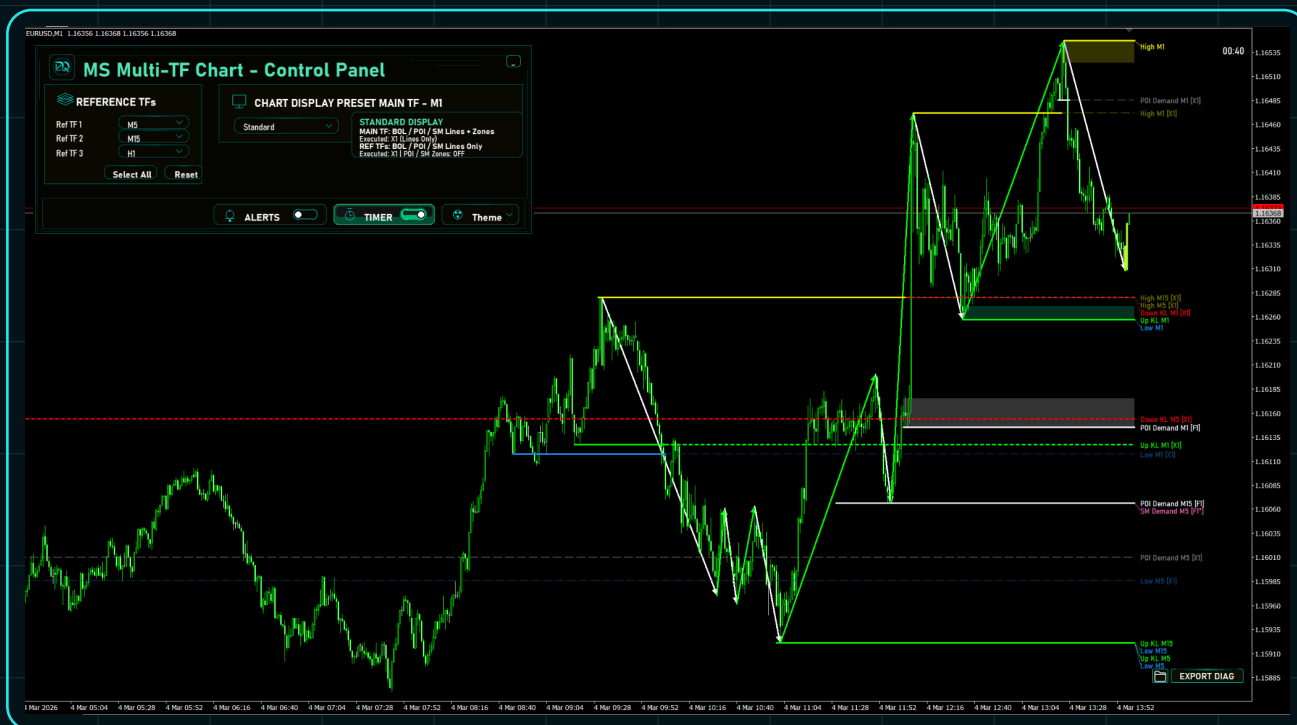
Expected chart view:

Notes:

When a qualifying SM zone exists in the selected history window, it is displayed on the chart.

Example 5 - Standard Display

Standard Display shows the core structure with BOL, POI and SM visibility together with Reference TF context.



Panel state:

Ref TF1 = M5
 Ref TF2 = M15
 Ref TF3 = H1
 Preset = Standard

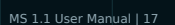
Expected chart view:

Main TF BOL / POI / SM lines and zones are visible, executed BOL X1 lines only are shown, and Reference TF BOL / POI / SM lines are visible.

Notes:

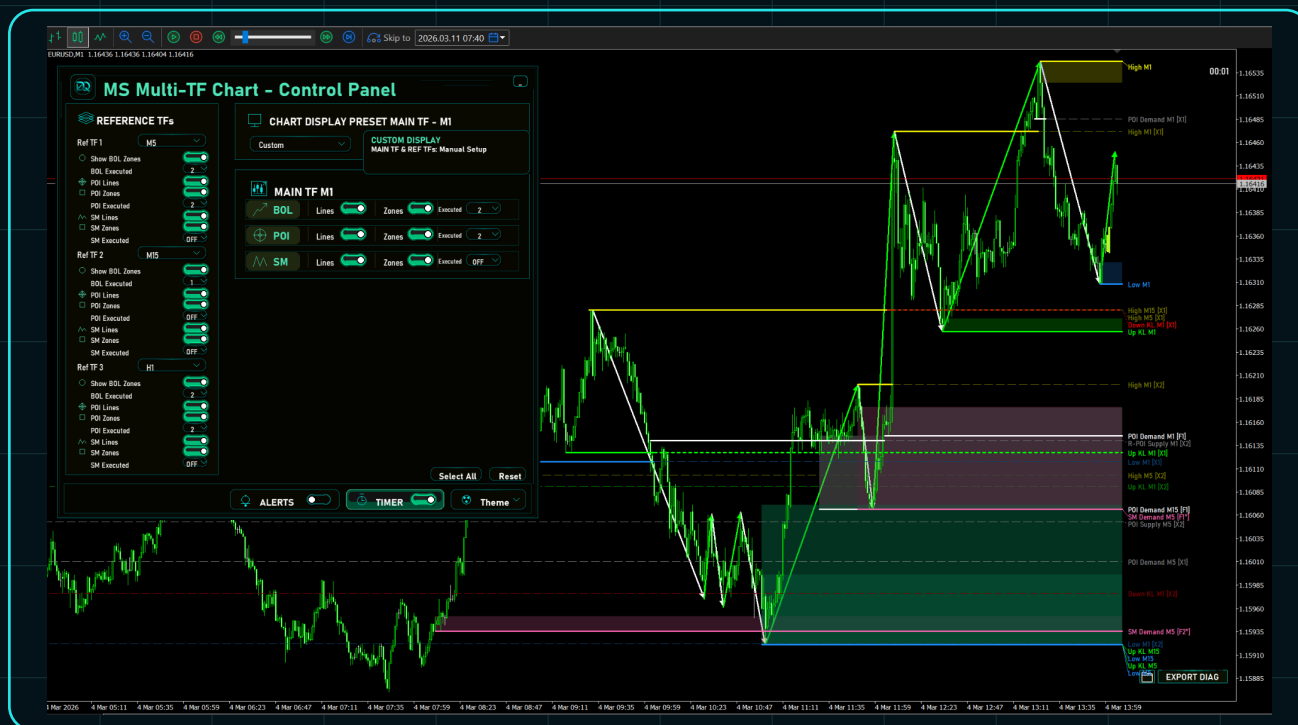
Executed POI / SM zones remain OFF.

Full Display extends the chart with additional POI / SM depth for the richest multi-timeframe structural view.



Example 7 - Custom Display with multiple Reference TF

Custom Display draws only the object types and execution depths selected manually in the panel.



Panel state:

```
Ref TF1 = M5
Ref TF2 = M15
Ref TF3 = H1
Preset = Custom
```

Expected chart view:

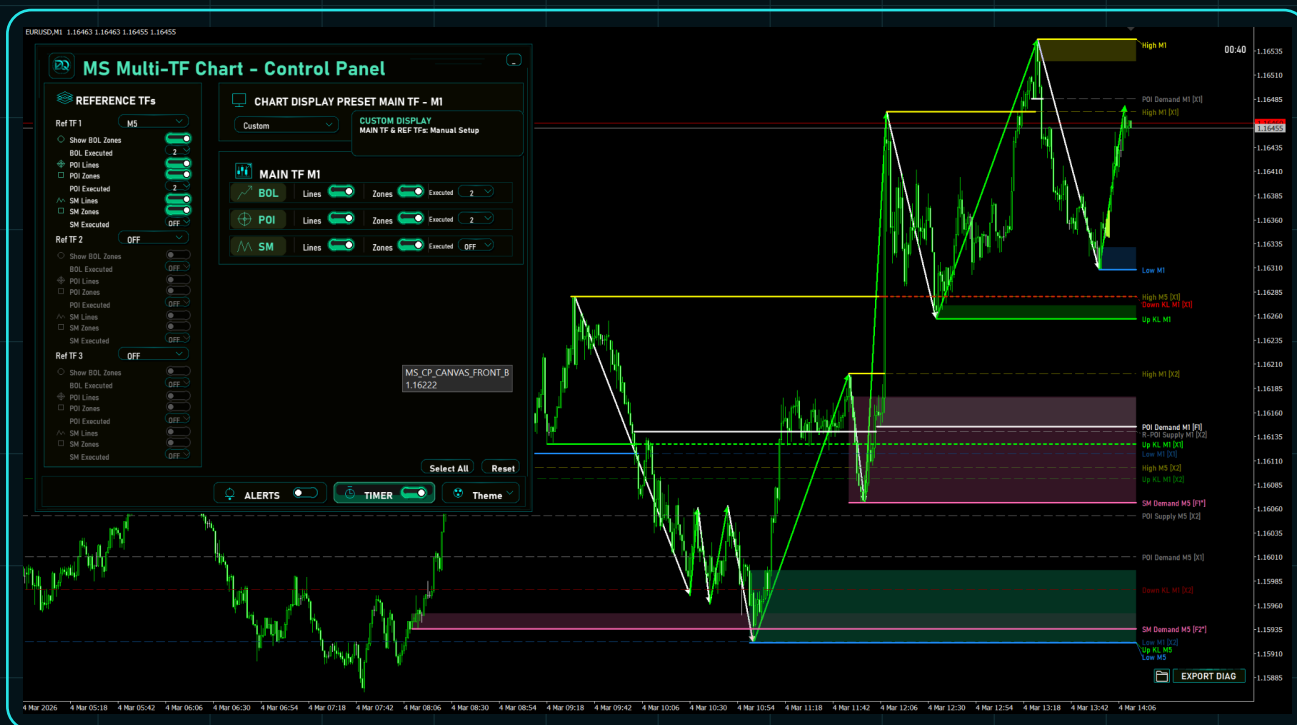
Only the object types enabled in Custom mode are drawn. The chart reflects the exact Main TF and Reference TF toggles selected in the panel, including lines, zones and executed-depth settings.

Notes:

Multiple Reference TFs contribute objects only where they are explicitly enabled in the custom configuration.

Example 8 - Custom Display with limited Reference TFs

This example shows how the chart output changes when some Reference TFs are disabled in Custom Display.



Panel state:

Ref TF1 = M5
 Ref TF2 = OFF
 Ref TF3 = OFF
 Preset = Custom

Expected chart view:

The chart displays only the structures allowed by the active custom selections.

Notes:

Disabled Reference TFs do not contribute any objects to the chart.

Main TF and Reference TFs

The Main TF is the timeframe of the active MetaTrader chart. Reference TFs add structure from additional timeframes without requiring constant chart switching. A Reference TF is defined by the slot, not by being higher.



REFERENCE TFs

Ref TF 1

M5

▼

Ref TF 2

M15

▼

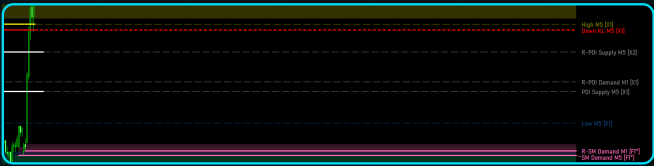
Ref TF 3

H1

▼

Select All

Reset



Rule	Meaning
Use only useful TFs	Choose timeframes that add a clear reason for context.
Avoid duplicating Main TF	A Reference TF should add information, not repeat the same timeframe.
Preset modes are lighter	In normal presets, Ref-TF POI/SM are primarily line context. Use Custom for individual zone controls.
Synchronization	A newly enabled Ref TF may stay incomplete until its history/model is ready.
Per-Main-TF setup	A different Main TF can have a different useful panel configuration.

Simple intraday example

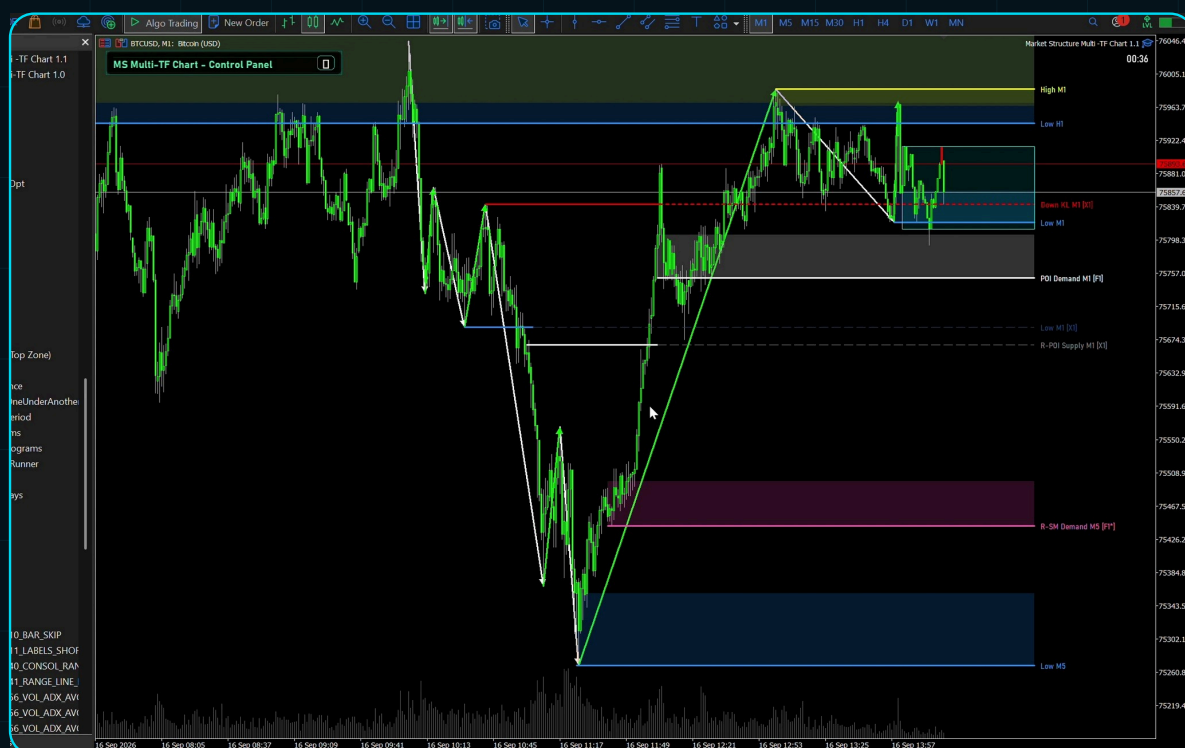
Main TF M5 + Ref TF M15 or H1 is a common setup. Add a second Ref TF only if it changes how you interpret nearby structure.

Read the Chart in Five Steps

- 1 Trend: Which direction is the accepted structure chain moving?
- 2 Range: Is price trending freely, or is an Active Range controlling the current state?
- 3 BOL: Where are the nearest Current High/Low, Key Level or Range breakout levels?
- 4 POI / SM: Which fresh Demand below price and Supply above price are closest and relevant?
- 5 Ref TF + events: Do the enabled Reference TFs support or conflict with the Main TF? Only then read alerts, BO states and patterns.

Important

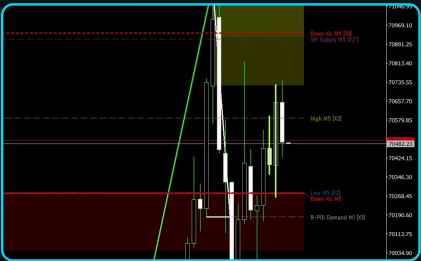
A pattern or alert is not the first thing to read. It belongs at the end of the structural reading process.



Example of a mature live chart where several structural layers are visible at once.

BOL - Break of Level

In simple terms, BOL is the price level MS 1.1 watches to decide whether a structural break has really been confirmed. Price touching or wicking through the line is not enough; the required closed-candle confirmation must pass.



What you see	Meaning
Active BOL	The level is currently waiting for valid breakout confirmation.
BOL zone	Surrounding context for the active level when zones are enabled.
Executed / X1 or X2	Broken/historical lifecycle state retained for context. It does not mean a trade/order was executed.
Wick through BOL	Not a confirmed BO by itself. The required close/validation family must pass.

Detailed BOL behavior

How BOL is created

- BOL is created from accepted market structure and becomes a validation reference for a possible breakout.
- BOL can originate from Current High/Low, Up/Down Key Level, POI boundary or Range High/Low context.
- The user reads the line as the level being tested; MS 1.1 decides whether the BO remains Active, becomes Valid, or fails.

What BOL types can exist

- Current High / Current Low - accepted structural extreme.
- Up KL / Down KL - directional Key Level references used by BOL logic.
- POI boundary - a POI-derived line can participate in the same breakout-validation logic.
- Range High / Range Low - the controlling Range boundary can become the breakout reference.

Read the BOL label first

Read the object name, source timeframe and lifecycle state together. The label and connector identify the exact level; color is only a visual aid.

POI - Point of Interest

A POI is created after valid structure. BO UP creates a Demand POI from the origin/base area; BO DOWN creates a Supply POI. It is not an arbitrary rectangle on every consolidation.



Label / state	Meaning
Demand / Supply	Which side of structure the zone represents.
F1 / F2	Fresh-depth slot shown by the selected preset.
X1 / X2	Broken/executed historical-depth slot shown by the selected preset.

R-POI

R-POI means a POI created after a confirmed Range Breakout. R- does NOT identify a Reference TF. The source timeframe is shown separately by the M1 / M5 / M15 / H1 label.

Detailed POI behavior

How POI is created

- A POI is created only after valid structure; MS 1.1 does not create a POI on every consolidation.
- A confirmed BO UP creates a Demand POI from the bullish origin/base. A confirmed BO DOWN creates a Supply POI from the bearish origin/base.
- The origin search is automatic; the user does not need to mark the base manually.

What POI states can exist

- Demand and Supply identify which side of the structure the zone represents.
- F1/F2 are fresh-depth states: the newest fresh POI and the next still-relevant fresh POI where supported.
- X1/X2 are broken/executed historical-depth states showing prior POI structure retained for context.

SM - Smart Money Structure

SM is an upgraded POI class. It is used when the same structural origin also passes stricter quality filters.



Class	What qualifies it
POI	Valid structure + valid origin/base.
Strong SM	POI quality plus displacement and FVG requirements.
Premium SM / SM*	Strong SM plus a qualifying liquidity sweep before the BO.
Fresh / Executed	Lifecycle is still displayed with F1/F2 and X1/X2 labels.

R-SM

R-SM is Smart Money structure created from the post-Range-Breakout sequence. R- refers to Range BO context, not to a Reference TF.

Detailed SM behavior

How SM is created

- SM starts from a valid POI/structural origin and adds stricter quality filters.
- Strong SM adds displacement/FVG quality conditions; Premium SM / SM* also requires a qualifying sweep.
- Fresh / historical lifecycle is still displayed with F1/F2 and X1/X2 labels.

How to read SM

- Read SM after Trend, Range and the nearest BOL context.
- Use the source timeframe and lifecycle label together with the object family.
- SM is context assistance, not a standalone trade instruction.

Trend - Read the Arrow Chain



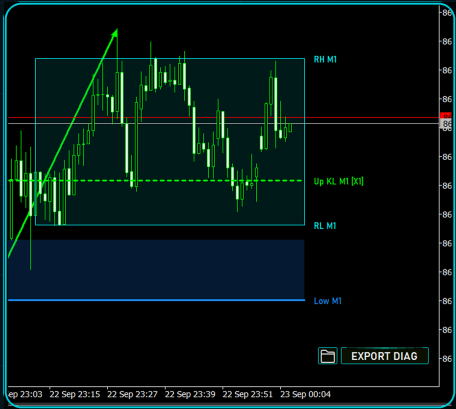
Green UP and white DOWN legs show the committed structural chain.

Rule	What it means to the user
Confirmed legs stay authoritative	A committed trend leg is not replaced just because a weaker point appears.
Same-direction structure can merge	A newer stronger endpoint can extend the existing directional leg.
Opposite structure connects the chain	A confirmed opposite event can start the next accepted leg.
Range can take priority	Internal trend events are secondary while an Active Range controls structure.

PW / PB note

The latest code still uses PW/PB internally for structural sizing/selection, but current Trend arrows are not separate public chart objects labelled "Pull Wave" or "Pull Back". Read the visible arrow chain.

Range - When Containment Has Priority



State / rule	Read it as
Active Range	RH = Range High (upper boundary); RL = Range Low (lower boundary). The M1/M5/... suffix identifies the Range source timeframe.
Trend before Range	The last committed Trend arrow before the Range stays frozen; internal events are secondary while containment controls structure.
Wick outside, close back inside	Treat it as a sweep/fake breakout, not a valid Range breakout.
Valid Range BO	The closed-candle breakout confirmation must pass; the BO arrow respects the breakout candle direction.
After BO	The next Range cannot simply reuse the same event candle as its new source.

Post-Range-BO structure

After a confirmed Range BO, newly created POI / SM structure from the post-break sequence may carry the R- prefix. R- means post-Range-BO context; it does not mean Reference TF.

Why Range matters

While a Range is active, containment has priority. Other detected events can remain secondary or show STANDBY due ACTIVE RANGE until the Range exit is confirmed.

Practical reading

- Inside Range: treat direction as unresolved unless a separate higher-level context clearly dominates.
- Wick outside and close back inside: still not a valid exit.
- Confirmed Range BO: read the next committed Trend leg and any new BOL / POI / SM structure.

Visual Language: Lines, Zones and Labels



Visual element	Meaning
Solid line	Current / pre-break structural information, depending on the object family.
Dashed line	Broken or historical continuation where supported.
Zone rectangle	Price area attached to BOL, POI, SM or Range context.
Label	Object type + source timeframe + lifecycle/depth state.
Connector	Links a right-side label to its actual chart level.
Trend arrow	Committed directional market-structure leg.

Detailed label anatomy

Read the label from left to right

- Object family / direction - High, Low, Up KL, Down KL, POI Demand/Supply or SM Demand/Supply.
- R- prefix - identifies structure created after a confirmed Range Breakout. It does NOT identify a Reference TF.
- Timeframe - M1, M5, M15, H1 and so on show which timeframe owns the object.

Lifecycle, depth and connector

- F1/F2 - fresh-depth state; F1 is the newest relevant fresh structure, F2 the next supported fresh depth.
- X1/X2 - broken/executed historical-depth state retained for context. These are lifecycle markers, not trade executions.
- Connector - links the right-side label to the exact line or zone price level.

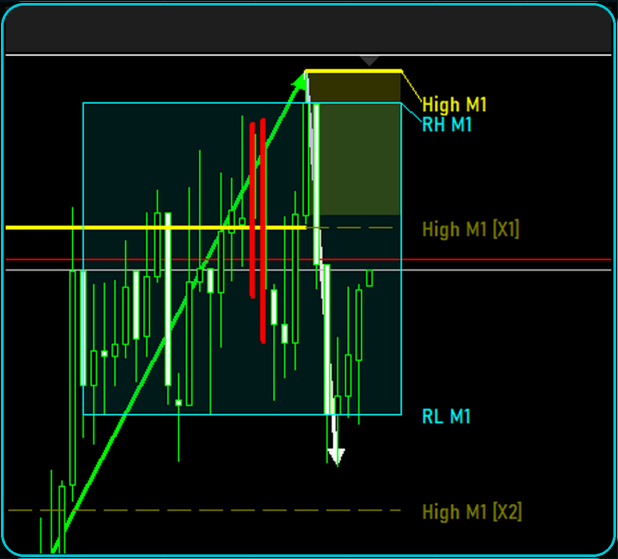
Label Dictionary

Label	Meaning
High / Low	Confirmed structural High / Low owned by the shown timeframe.
RH / RL	Range High / Range Low: upper / lower boundaries of the active Range.
Up KL	Bullish structural Key Level.
Down KL	Bearish structural Key Level.
POI Demand / Supply	Structural Demand / Supply Point of Interest created after valid structure.
SM Demand / Supply	Stricter higher-quality POI structure that passed SM quality filters.
SM* / Premium SM	SM structure with qualifying sweep context.
R-	Prefix for structure created after a confirmed Range Breakout. NOT Reference TF.
M1 / M5 / M15 / H1 ...	The timeframe that owns the object.
F1 / F2	Fresh visible-depth slot. F1 is the newest supported fresh structure.
X1 / X2	Broken/executed historical visible-depth slot retained for context; not order execution.
BOL	Break of Level - structural line being evaluated for a confirmed break.
BO	Breakout process/status depending on the shown state.
Ref TF	Additional/reference timeframe overlaid on the Main TF chart.

Quick rule

Read object name + source timeframe + lifecycle suffix together. If a label begins with R-, read it as post-Range-BO context.

Breakout Confirmation



A breakout is not simply price touching or wicking through a level. MS 1.1 evaluates the active structural level together with the required closed-candle confirmation logic.

State	Read it as
DETECTING	A candidate is being evaluated.
ACTIVE	The process is live and still waiting for the required validation.
VALID UP / DOWN	The supported rules were satisfied in that direction.
FAIL	The candidate did not satisfy the required confirmation.
STANDBY due ACTIVE RANGE	The event exists, but Range priority controls the structural exit.

Wick vs close

A wick through BOL or outside an Active Range is not enough by itself. Use the MS 1.1 state and the required closed-candle confirmation, not the wick alone.

Breakout Scenarios and States

Breakout logic is used in several structural families. The key is to identify which object is being challenged and then read that family's own state and label.

BOL breakout

- Current High, Current Low, Bull KL, Bear KL and other active BOL references can become breakout candidates.
- The line remains a validation reference until the supported confirmation rules pass or fail.
- A BOL BREAKOUT UP / DOWN alert is sent only after the structural break is confirmed.

Range breakout

- Range High and Range Low are the controlling boundaries while an Active Range exists.
- A wick outside followed by a close back inside is a sweep/fake breakout, not a confirmed Range BO.
- A valid exit becomes RANGE BREAKOUT UP / DOWN; Range priority can keep other events in STANDBY.

POI / SM break

- POI and SM zones have their own lifecycle and can also generate BREAKOUT UP / DOWN events when price invalidates the zone according to supported rules.
- A zone break is a different object family from BOL or Range, so read the label and event name before interpreting it.

Reference-TF context

- The same structural event can belong to an enabled Reference TF while you stay on the Main TF chart.
- The timeframe printed in the label/alert identifies which TF owns the event.
- Main and Ref-TF events are calculated from their own market data and then overlaid on the same chart.

Important distinction

A valid candlestick pattern, a broken POI/SM zone and a confirmed BOL/Range breakout are related context, but they are not the same event. Read the event name first.

Candlestick Patterns

MS 1.1 tracks an official set of 56 candlestick patterns. Pattern detection is context assistance for manual analysis; it is not a trade order and it does not replace the market-structure view.

Pattern class	Required local context	Typical interpretation
Bullish reversal	Local DOWN + LOW	Possible reversal from a local low.
Bearish reversal	Local UP + HIGH	Possible reversal from a local high.
Bullish continuation	Local UP	Continuation with the existing bullish structure.
Bearish continuation	Local DOWN	Continuation with the existing bearish structure.
Neutral	Pattern-specific	Indecision / information only.

How to use a pattern

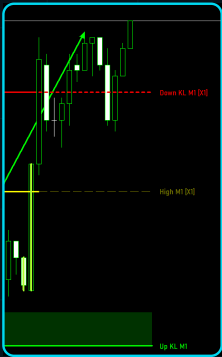
- Read structure first: Trend, Range, BOL and the nearest POI/SM.
- Confirm the pattern belongs to the expected local context. A visually similar candle sequence can be suppressed if context fails.
- Read the pattern direction and timeframe. The same pattern name on M1 and H1 is not the same event.
- Use the pattern score as a quality/context measure, not as a probability of profit.
- If the pattern is near a breakout candidate, still read the BO state separately. A pattern can be valid while BO remains ACTIVE, FAIL or STANDBY.

Reference appendix

The complete visual reference for all 56 patterns is included in Appendix A at the end of this manual.

Pattern Detection and Scoring

MS 1.1 evaluates a candlestick pattern only after the required candle sequence is complete on a closed bar. Detection has two separate layers: candle anatomy (A) and market context (C). The final Score summarizes how well the completed formation matches those rules; it is not a probability of profit.



Two-layer evaluation

The detector reads the candle sequence on its own timeframe; surrounding structure is evaluated separately.

How pattern detection works

1. Closed-bar trigger

The full candle sequence must be complete. Multi-candle formations are not reported early while the last candle is still forming.
2. Anatomy hard gate

Pattern-specific geometry must pass: candle order, body/wick proportions, relative opens/closes, inside/outside or engulfing relationships, and gap rules where applicable.
3. Family + direction

The accepted formation receives its pattern name and a bullish, bearish or neutral direction. This direction is the arrow/icon shown in the alert.
4. Context evaluation

Context is calculated separately from anatomy and can use prior trend, swing/location, momentum, structural relation and market-structure alignment.
5. Effective score

In default SCORE mode, a directional pattern uses 75% Anatomy and 25% Context. This is a rule-quality score, not a probability of profit.
6. Selection + event

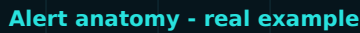
When several candidates complete on the same bar, the effective score participates in winner selection before the selected event is surfaced.

Scoring model

Component / mode	Meaning
Anatomy (A)	1-100 quality of candle geometry after mandatory hard gates pass: body/wick balance, relative opens/closes, sequence relationships and gap rules where applicable.
Context (C)	0-100 assessment of the surrounding situation for the pattern policy: prior trend, swing/location, momentum, structural relation and market-structure alignment.
SCORE mode (default)	Directional patterns use Effective Score = round(0.75 x A + 0.25 x C). A weak C lowers the score but does not by itself reject a valid anatomy match.
STRICT / OFF	STRICT turns context failure into a hard rejection. OFF disables context participation. Neutral patterns can treat context as informational and may be anatomy-driven.

A higher score means the formation fits the active pattern and context rules more strongly. It does NOT mean win probability, expected return, trade confidence, or breakout confirmation.

Pattern alerts are the notification layer for completed candlestick events. They report the symbol, pattern timeframe, direction and scoring diagnostics. They are separate from structural alerts and are not trade-entry instructions.



Alert field	Meaning
USTEC	Instrument/symbol on which the pattern was detected.
M1	The timeframe that owns the pattern. It can be Main TF or an enabled Reference TF.
DOWN	Bearish direction. UP is bullish; neutral is used where applicable.
Three Outside Down	Detected pattern name. The event belongs to the final closed candle that completes the sequence.
Score 35/100	Effective pattern score after the active scoring mode combines Anatomy and Context.
A41 / C15	Anatomy and Context component scores used to form the effective score.
Server=...14:34:00	Broker/server timestamp attached to the alert; use it to locate the event in the chart and logs.

- The sequence is complete on a closed bar and the anatomy hard gate has passed.
- In SCORE mode, context changes C and the final score; low context is not automatically a rejection. STRICT can suppress a context failure.
- The event belongs to the pattern timeframe. Reference-TF patterns can alert while another Main TF is visible.
- The same completed event is not meant to repeat continuously.

Read Symbol - TF - D section - Pattern name - Score - A/C - time.
35/100 is NOT a 35% success probability. It is a rule-quality score.
Pattern and structural alerts are independent. Confirm Trend, Range, BOL and nearby POI/SM separately.
For normal Telegram mirroring, Telegram Alerts must also be enabled and configured.

Structural Alerts



Alert type	When it appears	How to read it
NEW ACTIVE BOL	A new BOL reference becomes active.	A new validation level matters; breakout is not yet confirmed.
NEW ACTIVE POI	A new Demand/Supply POI is created.	A fresh origin zone is available.
NEW ACTIVE SM	A new SM zone passes the stricter filters.	A higher-quality origin became active.
BOL ZONE ENTER	Price first touches/enters an armed BOL zone.	Price reached BOL context; this is not BO confirmation.
POI ZONE ENTER	Price enters an armed fresh POI zone.	Price returned to a Demand/Supply origin area.
SM ZONE ENTER	Price enters an armed fresh SM zone.	Price reached a higher-quality structural zone.
BOL BREAKOUT UP / DOWN	BOL confirmation passes.	The BOL structural break is confirmed.
POI BREAKOUT UP / DOWN	A POI zone is invalidated by the supported break rule.	The POI lifecycle moved to broken/executed history.
SM BREAKOUT UP / DOWN	An SM zone is invalidated by the supported break rule.	The SM lifecycle moved to broken/executed history.
RANGE BREAKOUT UP / DOWN	The Active Range exit is confirmed.	Range priority is resolved in the stated direction.

Structure alert control + Master ALERTS

MS_EnableStructureAlerts = true is the MS 1.1 Inputs category gate for BOL / POI / SM / Range notifications. ALERTS in the control panel is the global delivery master. Both must be ON for normal live Structure alert delivery. Turning Structure Alerts OFF does not stop market-structure calculations or visualization. Normal Telegram mirroring follows the same gates.

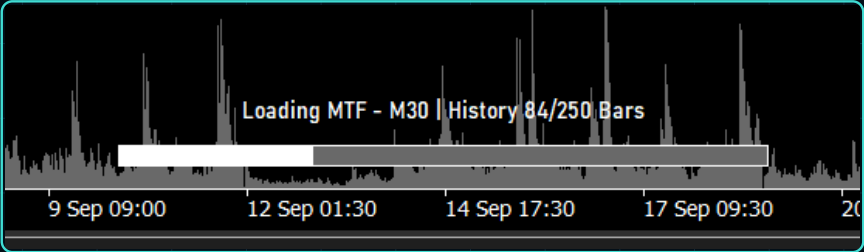
Telegram Alerts

For Telegram Alerts, see the separate guide:

MS 1.1 Telegram Alerts User Guide

Loading and Synchronization

Live loading progress



Message / state	Meaning	What you should do
Loading / History	Initial Main-TF history is being prepared.	Wait; do not judge the final chart.
Loading Ref. TF / History	A selected Ref TF is preparing its history/model.	Wait for the slot to finish.
Updating Chart Market Structure	Visible state is being synchronized after a chart/setup change.	Allow the update to complete.
Loading / History (after resume)	After sleep, MS 1.1 starts a fresh history load using the last applied panel setup and the configured HistoryRenderBars value. The previous runtime chart state is not replayed.	Wait until Main TF and enabled Ref TFs finish loading.
Ready	The final visible state has been committed.	Normal use can resume.

Resume behavior

After wake, MS 1.1 clears the pre-sleep runtime state and rebuilds the last applied panel setup from current broker history. No missed-bar catch-up is used.

Panel setup is reused

Preset/Custom display choices and enabled Reference TFs are restored from the last applied setup. History depth comes from the current HistoryRenderBars input.

Why objects can appear late

A new or changed Ref TF stays hidden until its complete line/zone/label stack is ready. MS 1.1 should reveal the final state, not a partial construction.

Ready-state rule

Judge missing objects only after the loading/update message has disappeared and the final visible state is committed.

Loading Progress Bars

Not every progress message appears in every session. Timeframe names and history counts are dynamic. The following list describes the normal loading/update flow.

Loading MTF - <Main TF> | History x/N Bars

First attach, a Main-TF history build, or a resume from sleep. MS 1.1 loads the configured HistoryRenderBars for the active Main TF before the final chart is committed.

Loading Ref. TF /1 - <TF> | History x/N Bars

Ref TF 1 was enabled/changed or is being restored after resume and its history/model is not ready yet.

Loading Ref. TF /2 - <TF> | History x/N Bars

Same process for Ref TF 2. Disabled slots do not load.

Loading Ref. TF /3 - <TF> | History x/N Bars

Same process for Ref TF 3.

Updating Chart Market Structure

Visible objects are being synchronized after a TF change, Apply, Ref-TF change or another operation requiring a final commit.

Resume from sleep - clean reload

After the terminal resumes, MS 1.1 does not replay missed bars through the old runtime state. It clears that runtime state and starts the standard history load with the last applied panel setup and current HistoryRenderBars.

Reference TFs after resume

Each enabled Reference TF is loaded again from current broker history so the final chart matches the saved panel configuration.

Ready

The update cycle finished and the final visible state has been committed.

Timeframe and Reference-TF Changes

TF changes are synchronization events. The goal is a single final commit: keep the last good chart visible during transit, prepare the destination, then reveal the complete destination state.

Changing the Main TF

- 1. MetaTrader switches to the destination chart timeframe.
- 2. MS 1.1 prepares the destination Main-TF history and structural context. The previous committed chart remains visible during transit instead of going blank.
- 3. Enabled Reference TFs are prepared against the new Main TF. A Ref TF that equals the Main TF is not duplicated.
- 4. Trend, Range, BOL, POI, SM, labels and connectors are committed together as the final destination chart.
- 5. No new market bar is required. As soon as synchronization is complete, the destination chart is ready.

Enabling or changing a Reference TF

- Only the selected Ref-TF slot is prepared; the Main TF remains the working chart.
- The new Ref-TF objects stay hidden until the slot has complete history/model and final labels/connectors.
- In preset modes the preset decides which Ref-TF layers are shown. In Custom, the per-slot Lines/Zones/Executed controls decide.
- After synchronization, the right-side label rail is recalculated so the new labels occupy their own positions rather than overlapping existing labels.
- If a slot is OFF or equals the Main TF, it is not rendered as duplicate context.

Sleep/Resume, Zoom and Scroll History

Sleep / Resume

When the PC, VPS or terminal resumes after sleep or an inactivity gap, MS 1.1 does not continue from the pre-sleep runtime state and does not replay missed bars.

Instead, it clears the previous runtime chart state, restores the last applied panel setup for the active timeframe, and starts the normal history-loading sequence again from current broker data.

The Main TF is rebuilt using the current HistoryRenderBars value (250 by default unless you changed it). Any enabled Reference TF slots are then loaded again so the final chart matches the saved panel configuration.

Preset or Custom display choices are reused; you do not need to press Apply again unless you want to change the setup. During the reload the chart is not final. Wait until loading/synchronization finishes and the final committed state is visible.

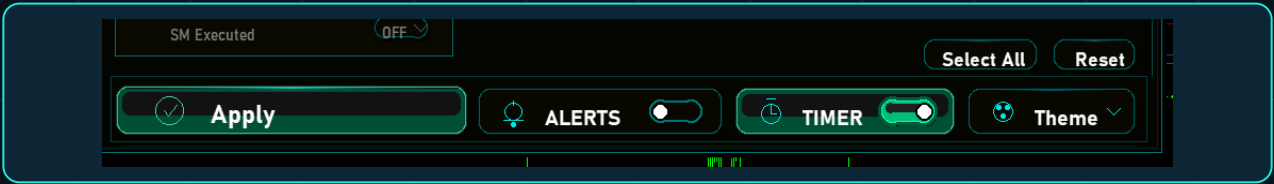
Zoom / Resize

- Zoom, resize and pan are visual operations only. They must not change calculated structure.
- Labels/connectors may temporarily hide or move while you interact with the chart.
- After movement stops, the label rail recalculates for the available screen space and reconnects to the same price levels.
- Use Chart Shift to keep enough right-side room.

Scroll History

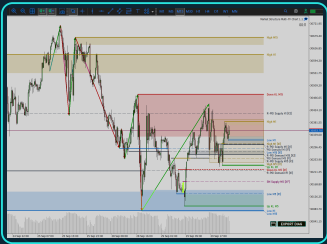
- Disable Auto Scroll temporarily when inspecting older structure.
- Historical objects remain tied to their original candles and price levels; scrolling does not create/delete/reclassify structure by itself.
- When you return to live monitoring, restore Auto Scroll if you want the newest candle to remain in view.
- Labels can reposition again when the live edge becomes visible.

Theme, Candle Timer and Chart Interaction



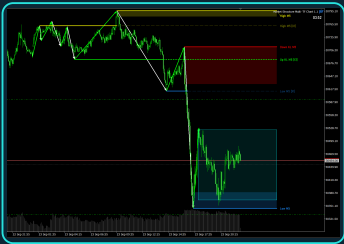
Panel / chart control	What it does
Theme	Switch between Light, Dark and High Contrast. Theme changes the palette only; it does not change calculated market structure.
Timer	Shows the remaining time until the current live candle closes. It is a visual countdown only and does not affect BOL, POI, SM, Trend or Range calculations.
Zoom / pan	Changes candle density and screen geometry. During zoom/pan the label/connector layer can temporarily hide or move, then repositions when interaction stops.
Chart Shift	Keeps right-side space available for the label rail and connectors. Leave enough room so labels do not sit on top of the latest candles.
Auto Scroll	Useful for live monitoring because the chart follows the newest candle. Disable it temporarily when you need to inspect historical structure.
After interaction	Stop dragging/zooming and allow the chart to finish its final label/connector repositioning before judging a visual mismatch.

Theme behavior



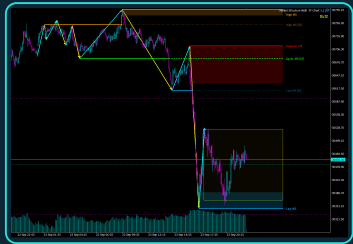
Light theme

Bright neutral background. Comfortable in well-lit rooms and useful when you want a clean screenshot or print-style view.



Dark theme

Dark background reduces glare during long sessions while keeping the same calculated structure and object positions.



High Contrast theme

Strongest separation between candles, zones and labels. Useful when maximum visual distinction is more important than subtle colors.

Consistency rule

Theme, zoom and chart interaction affect presentation only. They must not change Trend, Range, BOL, POI or SM calculations.

Performance and Best Practices

Situation	Recommended approach
Learning	Basic + 0-1 Ref TF
Everyday analysis	Standard + 1-2 useful Ref TFs
Fast working chart	Performance + 1 Ref TF
Deep review	Full + 2-3 Ref TFs only when needed
Low-resource VPS	Performance or minimal Custom; reduce extra charts/indicators
Troubleshooting	Basic/minimal Custom that still reproduces the issue

Best practices

- More objects do not automatically improve analysis. Reduce historical depth and Ref-TF count when the chart becomes difficult to read.
- Keep enough Chart Shift / right-side space for labels and connectors.
- Do not press Apply repeatedly during a legitimate load. Wait for the current cycle to finish.
- After the terminal resumes from sleep, let MS 1.1 reload the last applied panel setup for the configured HistoryRenderBars and wait for Ready before judging the chart.
- After a timeframe change, wait for the final synchronization commit before judging the destination chart.
- Use a consistent Theme and zoom when comparing screenshots or different terminals.
- If you need to reproduce a fault, first simplify the setup, then capture the exact steps and logs before changing more settings.

Resource principle

The biggest resource multipliers are the number of open charts, the number of enabled Reference TFs, history depth and the display mode. Start simple and add context only when it is useful.

Recommended System Guidelines

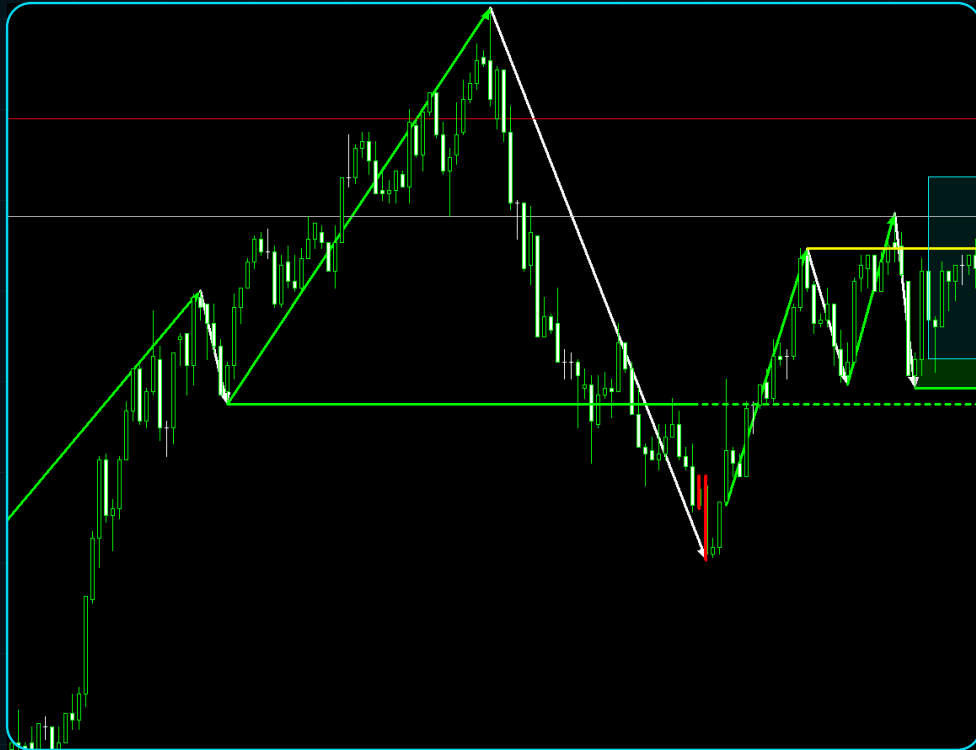
These are practical operating targets for MS 1.1 on MetaTrader 5. They are not licensing limits or guaranteed minimum specifications. Heavier use - several charts, several Reference TFs, Full mode or deeper history - benefits from the recommended column.

Item	Minimum / light use	Recommended / heavier use
Operating system	Windows 10/11 64-bit or another Windows version supported by your MT5 build.	Windows 11 64-bit, fully updated.
MetaTrader 5	64-bit MT5 terminal; one MS 1.1 chart.	Current stable MT5 build; avoid unnecessary duplicate terminals.
CPU	2 cores around 2.0 GHz.	4 cores or better for several charts / Ref TFs.
RAM	4 GB system RAM.	8 GB or more for comfortable multi-chart/VPS use.
Storage	At least 1 GB free for terminal/history/log files.	SSD with several GB free.
Graphics	Integrated graphics are sufficient.	Any current integrated/dedicated GPU and current drivers.
Display	1366 x 768 usable resolution.	1920 x 1080 or higher for easier label/panel reading.
Network	Stable broadband without frequent disconnects.	Stable low-latency connection or nearby VPS for 24/7 use.
VPS	2 vCPU + 4 GB RAM for one light terminal/chart.	4 vCPU + 8 GB RAM for several charts / Ref TFs / terminals.

Performance note

Dedicated gaming-class hardware is not required. On a low-resource PC/VPS, start with Basic or Performance, 0-1 Ref TF and the default 250 history bars; add more only after the chart is stable.

Practical Example: Bullish Structure



Example with accepted UP structure and nearby multi-timeframe levels/zones

1

Identify the accepted Trend direction and the latest confirmed leg.

2

Check whether an Active Range is controlling the immediate market state.

3

Locate the nearest active High/Low or Key Level BOLs.

4

Find the nearest fresh Demand POI/SM below/around price and any Supply above.

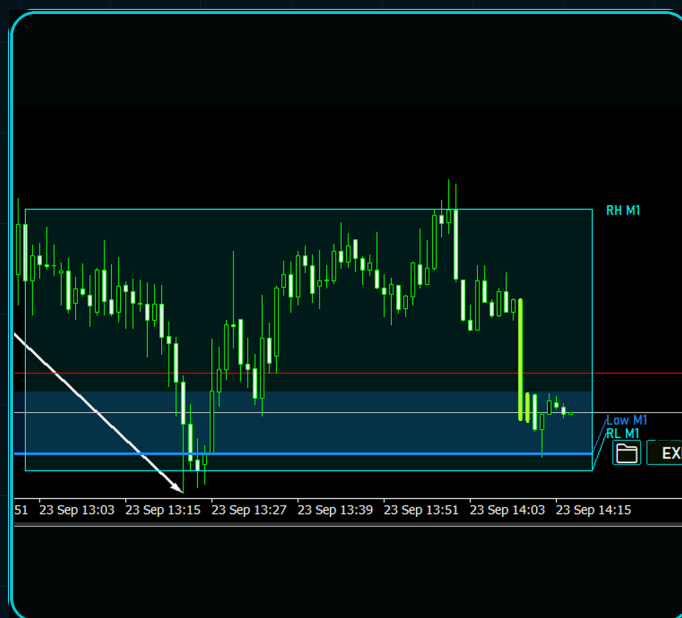
5

Read the higher-timeframe labels on the right side. Supportive context strengthens the structural picture; conflict makes it less clean.

6

Only after that, read pattern / BO / alert information.

Practical Example: Range to Breakout



Read the sequence from containment to confirmed exit

1

Contained / Active Range: Is price still contained inside the Range body and between the controlling Range High/Low boundaries?

2

Wick sweep: Did price only wick outside and close back inside? If yes, it is not yet a valid Range exit.

3

Breakout candidate: Is Range High/Low being tested with a supported closed-candle confirmation sequence?

4

Valid R-BO: Did the required breakout confirmation pass? Read the BO arrow and the direction of the BO candle.

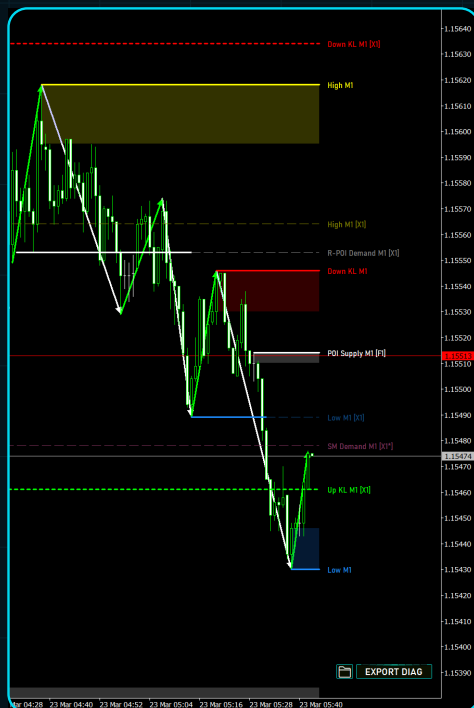
5

After exit: Read the next committed Trend structure and any new BOL/POI/SM objects created after the Range exit.

6

Do not front-run the Range: while Range priority is active, internal events can be secondary or STANDBY. Wait for a valid structural exit.

Practical Example: Bearish Structure



Example with accepted DOWN structure and nearby resistance context

- 1 Read the accepted DOWN leg first. The most recent committed structure is moving lower.
- 2 Check the nearest Supply / Down KL above price. Rejection from that area strengthens bearish context.
- 3 Check whether the latest Low is extending and whether prior bullish Up KL / Demand structure has moved to X1 history.
- 4 Fresh POI Supply above price is resistance context, not an automatic short signal.
- 5 If a Range is active, do not front-run the exit. Wait for the confirmed Range BO before reading new R-POI / R-SM structure.
- 6 Only after structure is clear should alerts or candlestick patterns be used as secondary confirmation.

How to Read the Chart Directionally

Bullish context

- Accepted Trend chain is UP / making higher structural progress.
- Price is supported by relevant Demand POI/SM below or around price.
- A BOL / Range BO confirms continuation rather than only a wick through the level.
- Reference TF context supports or at least does not strongly conflict.

Bearish context

- Accepted Trend chain is DOWN / making lower structural progress.
- Price is rejected from relevant Supply POI/SM above or around price.
- A BOL / Range BO confirms the break lower rather than only a wick.
- Reference TF context supports or at least does not strongly conflict.

Wait / neutral

- An Active Range still controls the local structure.
- Main TF and Reference TFs strongly conflict.
- Price is trapped between nearby Demand and Supply without confirmation.
- The chart is still loading or synchronizing.

Reading formula

Trend -> Range -> BOL -> nearest POI/SM -> Reference TF context -> directional bias -> alerts/patterns.

Common Reading Mistakes

Executed = trade order

Wrong. Executed / X1 / X2 means the structure has already been broken and is retained as historical lifecycle context.

R- = Reference TF

Wrong. R- means post-Range-BO structure. The source timeframe is shown separately by M1/M5/M15/H1 etc.

Touching a line = confirmed breakout

Wrong. A wick or touch is not enough; the active closed-candle confirmation must pass.

Fresh zone = automatic entry

Wrong. Fresh only describes lifecycle/depth. Read Trend, Range, BOL and multi-timeframe context first.

Reference TF selected = all zones visible

Not necessarily. In preset modes Ref-TF display is lighter. Use Custom for individual Ref-TF Lines/Zones/Executed controls.

One opposite arrow = full reversal

Not automatically. Read the full structural chain and the nearby BOL/POI/SM context before treating the move as a larger reversal.

Complete Market Scenario 1

Bullish Expansion -> Upper Supply -> Rejection -> Bearish Rotation

This example follows one continuous sequence through a bullish breakout/extension, resistance, structural rejection and the creation of fresh and historical context.

How to read this walkthrough

- Each screenshot is a later stage of the same market sequence.
- Read what changed first, then what MS 1.1 created or moved into historical state.
- The explanation separates structural facts from what is still only a possible continuation/reversal.
- This walkthrough contains 8 sequential screenshots.

Important

The screenshots are examples of market-structure reading. They are not trade signals or guarantees of future price movement.

Scenario 1 - Step 1 of 8

Contained structure below overhead supply



What changed

Price is rotating between local High/Low references while overhead Down KL / Supply remains unbroken.

What MS 1.1 created / updated

A visible Low/High chain and POI Supply context remain active; historical X1 levels stay on the rail.

Read first

Trend chain, then the local High/Low and nearest Supply above price.

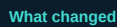
What it means

The market is contained and preparing for a decision around the upper structural references.

What it does NOT mean yet

A local upswing inside the containment is not yet a confirmed breakout.

Bullish expansion into the upper zone



Price accelerates out of the lower containment and drives into the upper structural area.

What MS 1.1 created / updated

The bullish Trend leg extends and the active higher zone is tested; prior objects remain as context.

Read first

The new UP leg and the nearest Down KL / Supply above it.

What it means

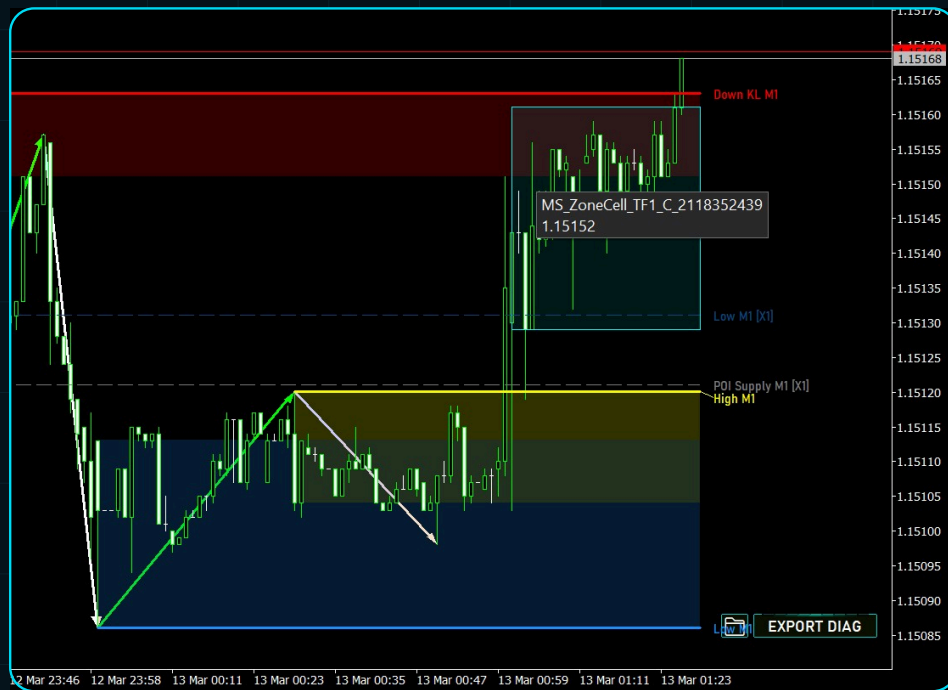
Momentum has shifted bullish in the short term and price is testing the next structural barrier.

What it does NOT mean yet

The first drive into Supply does not automatically mean the barrier has been confirmed broken.

Scenario 1 - Step 3 of 8

Continuation through prior structure



What changed

Price continues higher and trades deeper into the upper zone / resistance context.

What MS 1.1 created / updated

The structural chain extends; older High/Low references begin to move to historical X1 state as new structure forms.

Read first

The accepted Trend leg and whether the challenged BOL/zone has a confirmed close beyond it.

What it means

Bullish continuation is strengthening while older references become history.

What it does NOT mean yet

A wick or temporary print beyond a level is not by itself a confirmed BO.

Scenario 1 - Step 4 of 8

Strong bullish displacement and new upper context



What changed

A large bullish expansion pushes price rapidly through previous structure.

What MS 1.1 created / updated

New upper structural references appear while older High/Low/KL objects move to X1 history. A fresh Supply area forms overhead.

Read first

The committed UP leg, fresh Supply above, and the historical Up/Down KL references below.

What it means

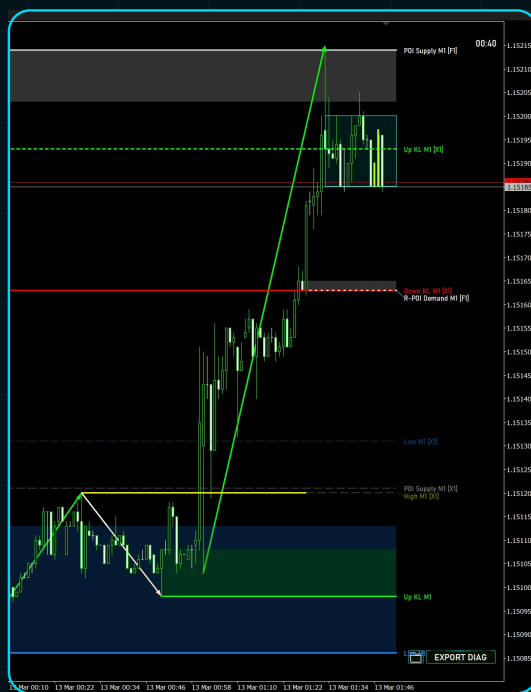
The market has transitioned into a strong bullish expansion and is now testing fresh resistance.

What it does NOT mean yet

Strong momentum does not remove the need to read fresh Supply and the next validation level.

Scenario 1 - Step 5 of 8

Pause beneath fresh Supply



What changed

After the expansion, price consolidates close to the fresh upper Supply area.

What MS 1.1 created / updated

Fresh Supply stays active while lower Up KL X1 and other historical structure remain visible as context.

Read first

The nearest Supply, the current High, and whether a Range/containment is forming.

What it means

Momentum has paused at resistance and the next move needs confirmation.

What it does NOT mean yet

Sideways candles under Supply are not yet a confirmed bearish reversal.

Scenario 1 - Step 6 of 8

Rejection and post-Range-BO structure



What changed

Price rejects from the upper region and the accepted arrow chain turns lower.

What MS 1.1 created / updated

A white DOWN leg becomes part of the committed chain; R-POI / Down KL context appears from the post-Range-BO sequence.

Read first

The new DOWN leg, R-POI labels and the nearest Demand below.

What it means

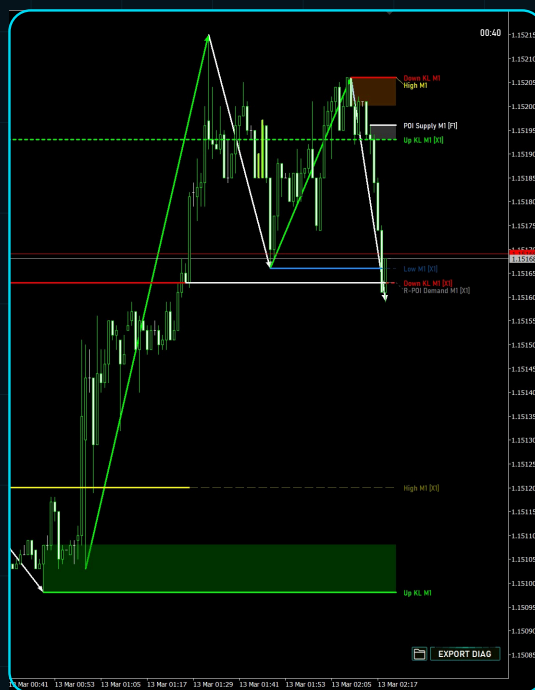
Structure is transitioning from bullish expansion into a bearish reaction with new post-Range-BO context.

What it does NOT mean yet

The first DOWN leg alone does not guarantee a full trend reversal; read the follow-through and lower levels.

Scenario 1 - Step 7 of 8

Bearish follow-through toward lower structure



What changed

The decline extends and price moves toward lower Demand / KL references.

What MS 1.1 created / updated

Historical X1 levels remain on the chart while new lower structure and reaction zones are created.

Read first

The accepted DOWN leg, nearest Demand below and any fresh Supply left above.

What it means

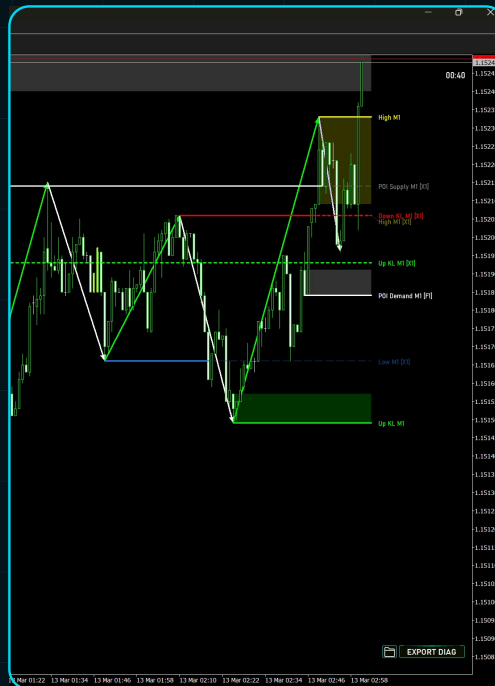
Bearish continuation is now clearer because the lower structural levels are being challenged.

What it does NOT mean yet

A reaction from Demand can still interrupt or reverse the decline.

Scenario 1 - Step 8 of 8

Rotation after the decline



What changed

Price reacts after the decline and the chart now shows a new combination of fresh and historical structure.

What MS 1.1 created / updated

New Demand/Supply references coexist with X1 history, showing how the lifecycle rail evolves after a full swing sequence.

Read first

The newest active objects first, then the historical X1 objects as context.

What it means

The scenario demonstrates the full lifecycle: active structure -> breakout/rotation -> fresh objects -> historical retained context.

What it does NOT mean yet

Historical objects should not be treated as current entries; they are context for the next structural decision.

Complete Market Scenario 2

Repeated Top Tests -> Supply Pressure -> Bearish Continuation

This example follows a second continuous sequence from bullish recovery into repeated top-side tests, failure at resistance, fresh Supply, post-Range-BO context and lower continuation.

How to read this walkthrough

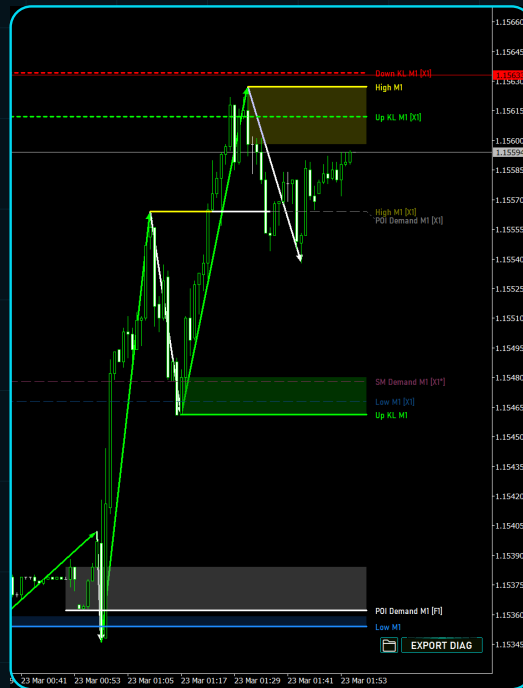
- Each screenshot is a later stage of the same market sequence.
- Read what changed first, then what MS 1.1 created or moved into historical state.
- The explanation separates structural facts from what is still only a possible continuation/reversal.
- This walkthrough contains 9 sequential screenshots.

Important

The screenshots are examples of market-structure reading. They are not trade signals or guarantees of future price movement.

Scenario 2 - Step 1 of 9

Bullish recovery from lower demand



What changed

Price has already recovered strongly from the lower Demand / Low context and is pressing into the upper High / Down KL area.

What MS 1.1 created / updated

The bullish arrow chain extends, while prior SM / Low / Up KL history stays visible below.

Read first

The active High / Down KL above price and the latest accepted UP leg.

What it means

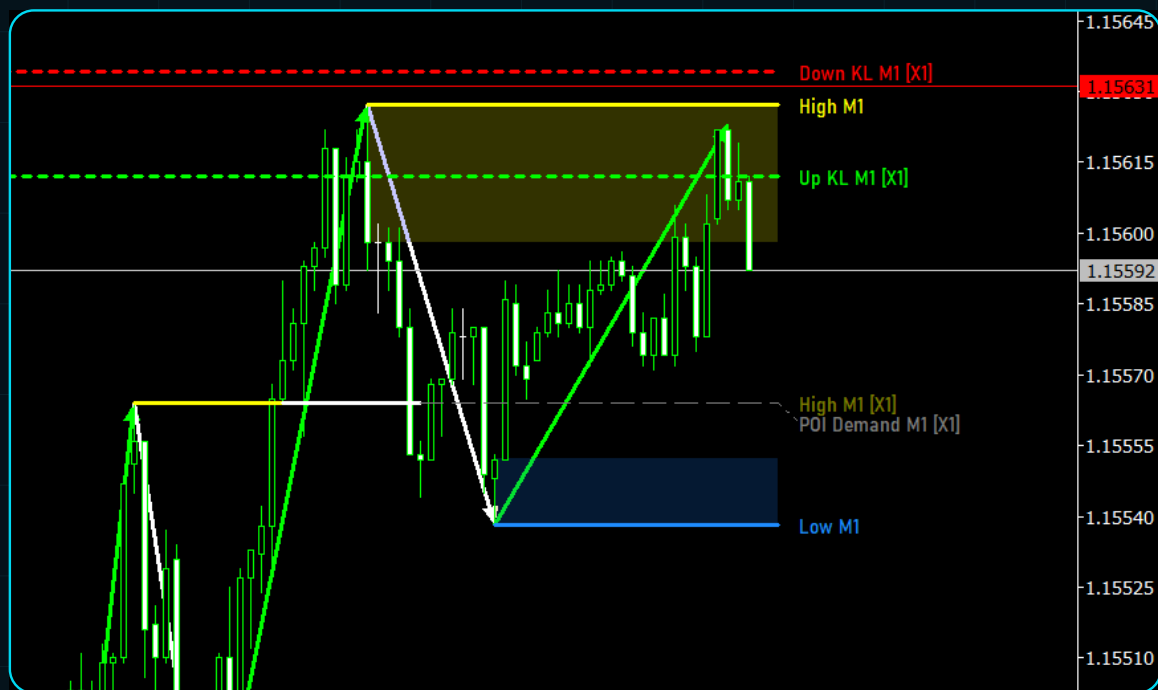
The short-term structure is bullish but it is approaching an important resistance zone.

What it does NOT mean yet

Reaching the High does not yet confirm a breakout.

Scenario 2 - Step 2 of 9

Pullback and recovery toward the same top



What changed

Price pulls back from the High, forms a new Low, then rallies again toward the same upper zone.

What MS 1.1 created / updated

The new Low becomes the current local downside reference while older High / POI references move to X1 history.

Read first

The repeated test of the upper High / Down KL and the new Low below.

What it means

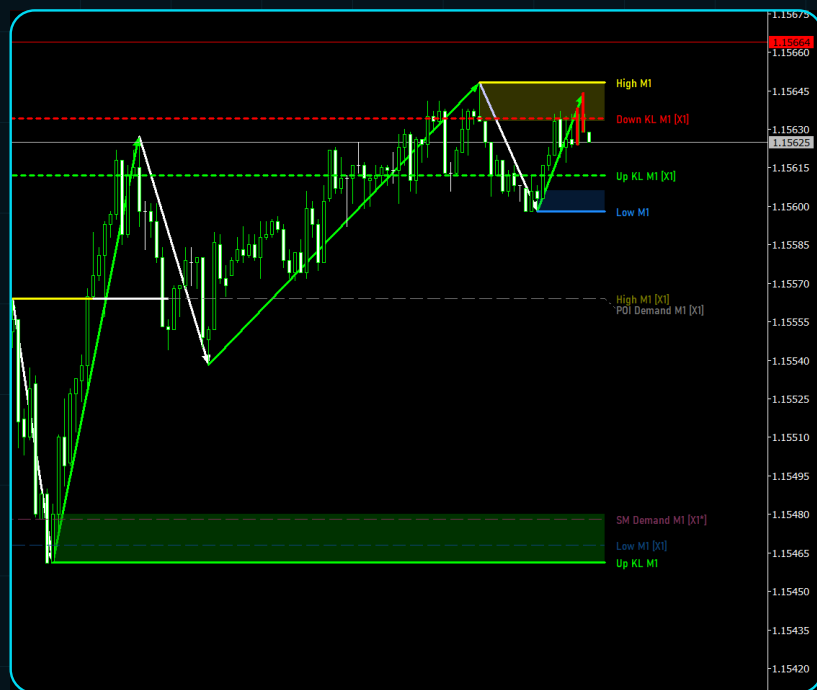
The market is still trying to continue bullishly, but the repeated top is becoming a decision area.

What it does NOT mean yet

A second test is not automatically a breakout or reversal.

Scenario 2 - Step 3 of 9

Another top-side test without clean escape



What changed

Price reaches the upper zone again but remains capped around the High / Down KL area.

What MS 1.1 created / updated

A fresh local High and supporting Low exist inside the larger structure; the upper barrier is still relevant.

Read first

Whether a closed-candle BO confirms beyond the top and whether the pullback keeps a higher Low.

What it means

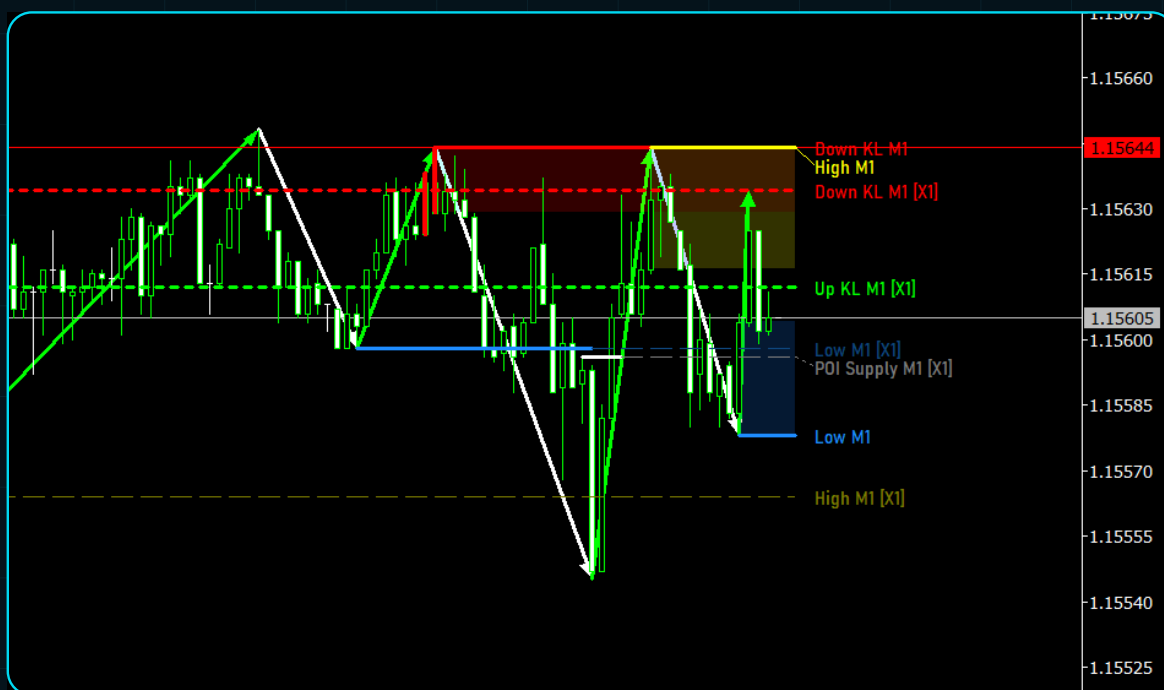
Bullish pressure is still present, but the top has not been cleanly cleared.

What it does NOT mean yet

Repeated touches alone do not prove that resistance is broken.

Scenario 2 - Step 4 of 9

Repeated top tests and structural conflict



What changed

Price oscillates between the upper High / Down KL area and lower local Lows, creating a choppy decision region.

What MS 1.1 created / updated

Several High / Low / KL references remain active or historical at once, making the label rail denser.

Read first

Read the newest active High / Low first, then use X1 objects only as history.

What it means

The market is losing clean directional structure and requires confirmation before biasing strongly.

What it does NOT mean yet

The density of objects is not itself a signal.

Scenario 2 - Step 5 of 9

Bearish transition and fresh Supply



What changed

Price fails to hold the repeated upper tests and begins to move lower.

What MS 1.1 created / updated

A fresh POI Supply forms above/around the new bearish sequence while previous bullish references move to X1 history.

Read first

The new DOWN leg, fresh Supply and nearest Low.

What it means

The market is transitioning from repeated failed bullish tests into a bearish structural phase.

What it does NOT mean yet

One fresh Supply zone is not enough by itself; follow-through is still required.

Scenario 2 - Step 6 of 9

Expansion lower through historical support



What changed

A strong bearish leg drives through lower structure toward historical Up KL / SM Demand context.

What MS 1.1 created / updated

Lower Low structure forms; old Up KL / SM Demand remain visible as X1 history while fresh Supply stays overhead.

Read first

The committed DOWN leg and the next active Low / Demand response area.

What it means

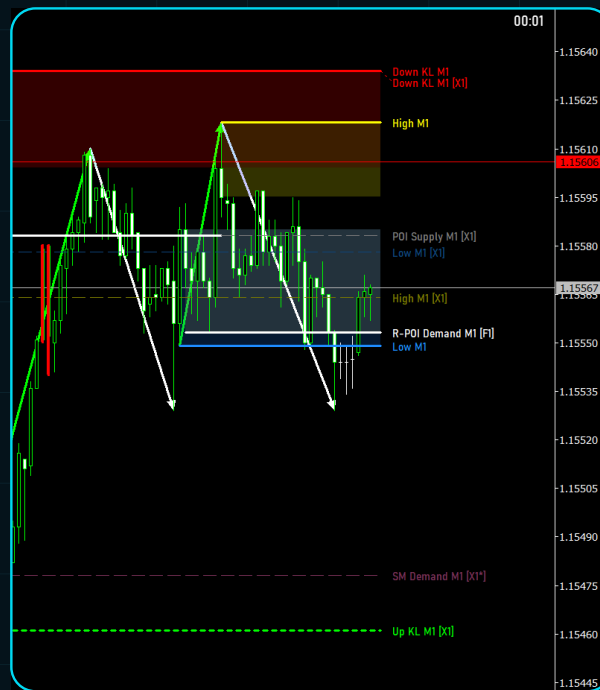
Bearish continuation is now materially stronger because price is expanding through prior support context.

What it does NOT mean yet

Historical Up KL or SM lines do not automatically stop the move.

Scenario 2 - Step 7 of 9

Post-Range-BO Demand appears



What changed

After a confirmed Range-Breakout sequence, a new R-POI Demand M1 [F1] appears around the current lower structure.

What MS 1.1 created / updated

R-POI Demand identifies post-Range-BO demand. The R- prefix is Range-BO context, not Reference TF.

Read first

The R-POI Demand, current Low and the nearest Supply above.

What it means

Price now has a fresh post-Range-BO reaction area to test while the broader sequence remains structurally weak.

What it does NOT mean yet

The R- prefix does not tell you direction by itself and does not mean higher-timeframe context.

Scenario 2 - Step 8 of 9

Lower-high failure and renewed Supply pressure



What changed

A reaction higher falls below the older top and price turns down again.

What MS 1.1 created / updated

A fresh POI Supply appears at the lower-high area while previous R-POI Demand / High references may move to historical depth.

Read first

The new Supply, the lower High / Down KL and the current Low below.

What it means

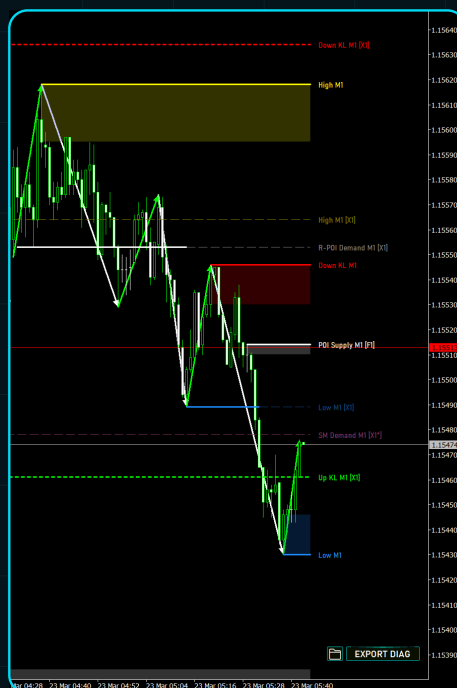
The lower-high failure supports continued bearish structure.

What it does NOT mean yet

Fresh Supply is resistance context, not an automatic order.

Scenario 2 - Step 9 of 9

Fresh lower low and bearish continuation



What changed

The final decline extends to a new Low, leaving the latest lower-high Supply overhead.

What MS 1.1 created / updated

A new Low becomes the active downside reference while prior R-POI / SM / High levels remain as historical context.

Read first

The newest Low first, then the nearest fresh Supply above and any active Demand below.

What it means

The scenario finishes with a clear bearish continuation sequence and a fully evolved lifecycle rail.

What it does NOT mean yet

A rebound from the new Low is still possible; the next structural confirmation determines what follows.

Troubleshooting: Diagnostic Order

1. Data

Confirm MetaTrader can display live and historical data for the symbol and timeframe.

2. Attachment

Confirm MS 1.1 is attached and the initial load reached Ready.

3. Visibility

Check the active preset or Custom Main/Ref Lines/Zones/Executed selections.

4. State

Confirm the object is still active/fresh and not historical, broken or hidden by depth.

5. Reproduce

If the problem remains, record the exact action sequence and collect screenshots/logs before changing more settings.

6. Diagnostics

Press REPORT DIAGNOSTICS and include the generated report when the issue is persistent or machine-specific.

Best diagnostic habit

Capture the problem before changing several settings. Symbol, TF, exact time, broker/server, MS 1.1 build, preset/Custom state, Ref TFs and the action sequence are more useful than a chart that was already changed.

Troubleshooting: Symptom Guide

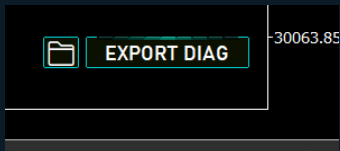
Symptom	First check	Expected / next step
No MS objects	History/loading, attachment, preset visibility.	Wait for Ready. A clean chart may still have only a few valid objects.
Loading never finishes	Connection/history availability; progress counter.	The cycle should advance and finish, not loop endlessly.
Ref TF missing	Slot enabled? Same as Main? Ref history ready?	Ref objects appear after the slot has fully synchronized.
Lines visible, zones missing	Preset/Custom zone toggles and lifecycle.	Lines/zones can be controlled independently in Custom.
Labels overlap / cut off	Stop zoom/pan; increase Chart Shift.	The rail should reflow after interaction stops.
Connector points wrong	Wait for final repositioning.	Connector must return to the object named by its label.
Objects vanish on TF switch	Check if transit is still active.	Last ready committed chart should stay visible until destination is ready.
Objects flash every new bar	Watch whether a full rebuild happens repeatedly.	Normal live updates should not repeatedly delete/recreate structure.
Range missing	Check whether valid containment exists.	Not every sideways market creates a Range.
Fresh POI/SM shown broken	Check exact TF/time and price invalidation.	Fresh/broken state is engine-driven; compare server history if machines disagree.
Old POI/SM reappeared	Did a newer fresh zone break?	Older still-valid zone can be revealed again.
Wick crossed BOL, no BO	Check candle close / BO family.	Wick through alone is not a confirmed breakout.
Pattern absent	Check full sequence and required local context.	Visually similar candles can be suppressed when rules fail.
Pattern present, no BO	Read pattern and BO separately.	A valid pattern does not automatically confirm BO.
Pattern alert missing	MS_EnablePatternAlerts, panel ALERTS, event eligibility.	Category + Master must be ON. Then check closed-bar/anatomy/context rules and duplicate suppression.
Structure alert missing	MS_EnableStructureAlerts, panel ALERTS, trigger.	Category + Master must be ON. Only valid enabled structural events should alert.
Telegram alert missing	MS_EnableTelegramAlerts, Chat ID, relevant category + Master.	See Telegram Alerts User Guide. Test Telegram on Init is for the connection test, not normal alert selection.
Chart reloads after sleep	Did the terminal/PC resume from sleep?	Expected: clear runtime chart state and rebuild the last panel setup from HistoryRenderBars.
Resume load never finishes	Connection/history availability; progress restarts?	Main TF and enabled Ref TFs must advance to Ready. Capture logs if it restarts or loops.
PC and VPS differ	Broker/server, symbol, build, inputs, timestamp/history.	Identical data/settings should produce identical structural state.
MS 1.1 feels slow	Open charts, Ref TFs, history depth, mode.	Reduce context first; then reproduce the performance issue.

Report Diagnostics and Bug Reports

Use Report Diagnostics when support needs the exact runtime/environment context from MS 1.1. The report is saved automatically; there is no Save As dialog.

1. Generate the report

Press REPORT DIAGNOSTICS in the panel. Generating a report does not change market-structure calculations.



2. Find the saved file

MetaTrader 5 -> File -> Open Data Folder MQL5 -> Files -> DemQora -> Diagnostic
The report folder lives inside the terminal Data Folder. The diagnostics folder message shows the same route.

3. Send the report with reproducible evidence

- Attach the generated diagnostic file together with the relevant Experts/Journal log.
- Include screenshots showing the problem before changing settings or working around it.
- Write the exact action sequence: attach, Apply, TF switch, Ref-TF change, terminal sleep/resume and the following reload, zoom/pan or live new-bar event.
- If the issue happens after resume from sleep, note the active Main TF, last applied panel setup, enabled Reference TFs and HistoryRenderBars value used for the reload.
- If PC and VPS disagree, identify both broker/server connections and the same symbol/time when comparing.
- Diagnostics is a support tool only; generating a report does not change market-structure calculations.

Folder shortcut

File -> Open Data Folder -> MQL5 -> Files -> DemQora -> Diagnostic.

Best support package

Diagnostic report + Experts/Journal log + screenshot + exact symbol/TF/time + reproduction steps.

Status Messages

Message / state	Meaning	What you should do
Loading / History	Initial Main-TF history is being prepared, including after resume from sleep.	Wait for completion.
Loading Ref. TF / History	A selected Reference TF is preparing its context.	Wait for the slot to finish.
Updating Chart Market Structure	Visible state is being synchronized.	Do not repeatedly press Apply.
Resume from sleep	Starts the standard Loading / History flow using the last applied panel setup and current HistoryRenderBars. No missed-bar replay is used.	Wait for Main TF and enabled Ref TFs to load, then wait for Ready.
DETECTING	A breakout/pattern candidate is being evaluated.	Read event context; no action required from MS 1.1.
ACTIVE	The event is live but validation is incomplete.	Wait for confirmation/fail state.
VALID UP / DOWN	The supported event rules passed.	Read direction and owning timeframe.
FAIL	The candidate did not pass required rules.	Treat event as not confirmed.
STANDBY due ACTIVE RANGE	Event exists but Range has structural priority.	Resolve/read the Range exit first.
Ready	The final visible state is committed.	Normal interaction can resume.

Normal vs abnormal

A short loading/synchronization period is normal after attach, TF changes, Ref-TF changes and after resume from sleep. After resume, MS 1.1 performs a clean history reload of the last applied panel setup using the configured HistoryRenderBars - not a catch-up replay. A status that restarts endlessly, never advances, or leaves a wrong final chart after Ready should be captured with logs and Report Diagnostics.

Common Questions I

Does MS 1.1 trade automatically?

No. Release 1 is visualization, alerts and manual decision support. Auto Trading/order execution is not part of this release.

How many Reference TFs can I use?

Up to three additional Ref-TF slots. A slot is disabled when it is OFF or equals the Main TF.

Can I use MS 1.1 without Ref TFs?

Yes. The Main-TF engine and visuals work without additional timeframes.

Which preset should I start with?

Basic for learning/clarity; Standard for balanced everyday use. Performance and Full add more information density.

What is Custom for?

Manual visibility control for Main/Ref BOL, POI and SM lines/zones and Executed depth.

What do F1 and F2 mean?

Fresh-object depth. F1 is the newest relevant fresh zone; F2 is the next fresh zone kept where supported.

What do X1 and X2 mean?

Executed/broken lifecycle-history depth. They are not market orders.

Why did an old POI/SM reappear?

A newer fresh zone broke, revealing an older still-valid previous zone so the chart can keep up to the latest two fresh references per direction.

How many fresh POI/SM zones are kept?

Up to the latest two fresh zones per direction where valid structure exists.

Why can the chart show only a few objects?

MS 1.1 shows the structure that exists. It does not create extra zones simply to fill the screen.

Does a wick through BOL confirm breakout?

No. The relevant closed-candle BO validation must pass.

Is a broken POI/SM the same as BOL breakout?

No. The object family and event name are different; read the label/alert first.

Common Questions II

Why do labels move?

Labels/connectors are screen-layout objects and can reposition after zoom, resize, Chart Shift or TF changes while staying attached to the same market level.

Does zoom change structure?

No. Zoom/pan can change geometry only, not Trend, Range, BOL, POI or SM calculations.

What happens when I change Main TF?

The destination history and enabled Ref TFs synchronize, then one final destination chart is committed. No new bar is required.

What happens when the computer/terminal resumes from sleep?

MS 1.1 clears the previous runtime chart state and starts a fresh load using the last applied panel setup for the active timeframe.

Does MS 1.1 replay missed bars after sleep?

No. The previous wake/catch-up replay logic is not used. The chart is rebuilt from current broker history.

Which history depth is used after resume?

The current HistoryRenderBars value is used (250 by default unless changed). Main TF and enabled Ref TFs load again before the final state is committed.

What is the default history depth?

250 bars by default. It can be changed, but deeper history increases loading/resource use.

Does Theme change calculations?

No. Light, Dark and High Contrast change the palette only.

Telegram Alerts

MS 1.1 Inputs: MS_EnableTelegramAlerts, MS_TelegramChatID and MS_TelegramSendTestOnInit. See the separate Telegram Alerts User Guide for setup.

Why did my pattern not alert?

First check MS_EnablePatternAlerts = true in MS 1.1 Inputs and panel ALERTS = ON. Then check the completed candle sequence, anatomy/context rules and duplicate suppression. Turning Pattern Alerts OFF suppresses delivery, not detection.

What does the pattern score mean?

A 1-100 quality/context score, not a probability of profit.

Can a valid pattern exist without a valid BO?

Yes. Pattern detection and breakout confirmation are separate processes.

What does STANDBY due ACTIVE RANGE mean?

The event exists, but the Active Range has structural priority.

What should I send to support?

Screenshot before changing settings, symbol/TF/time, broker/server, MS 1.1 build, preset/Custom settings, Ref TFs, relevant MS 1.1 Inputs, logs and the Report Diagnostics file.

Quick Reference and Glossary

Term	Meaning
Main TF	Active MetaTrader chart timeframe.
Ref TF	Reference Timeframe overlaid for context.
BOL	Break of Level.
CH / CL	Current High / Current Low.
KLU / KLD	Up / Down Key Level.
POI	Point of Interest; structural origin area.
SM / SM*	Stricter POI class; SM* / Premium adds sweep context.
F1 / F2	Fresh visible-depth slot.
X1 / X2	Executed/historical visible-depth slot.
Trend Arrow	Committed UP/DOWN structure leg.
Range	Contained state between active boundaries.
RH / RL	Range High / Range Low: the active Range upper / lower limits.
BO	Supported Breakout process.
PAC	Pattern/confirmation process with In Progress / Valid / Fail states.
MTF	Multi-Timeframe.

Five-step reading order

Trend -> Range -> BOL -> nearest fresh POI/SM -> Ref TF + events.

Support, Release Scope and Risk

MS 1.1 Release 1 - current scope

- Multi-timeframe Trend, Range, BOL, POI and SM visualization with preset and Custom display control.
- Structural alerts, candlestick-pattern alerts and the official 56-pattern reference.
- Report Diagnostics for creating a support report directly from MS 1.1.
- Auto Trading / order execution is not part of MS 1.1 Release 1. The product is for visualization, alerts and manual decision support.

What to include when contacting support

- MS 1.1 build and MetaTrader 5 build.
- Symbol, broker/server, Main TF, preset/Custom setup and relevant Ref-TF settings.
- Exact steps to reproduce the problem and the approximate event time.
- Expected result versus actual result.
- Screenshot(s) taken before changing additional settings.
- Experts/Journal log around the event.
- Report Diagnostics file when the issue is persistent, machine-specific or difficult to reproduce.
- Whether the issue happens every time or only occasionally.

Risk

BOL, POI, SM, Trend, Range, candlestick-pattern and breakout states are analytical information, not guarantees of future price movement. The user remains responsible for interpretation, trade decisions and risk management.

Telegram Alerts: see MS 1.1 Telegram Alerts User Guide.

Official Candlestick Pattern Reference

56 patterns tracked by MS 1.1

The following pages provide the official visual reference used by MS 1.1. Use the drawings to understand candle order, body/wick relationships, expected direction and context. The appendix is a reference - live detection still uses MS 1.1 rules and market context.

How to read the examples

- Bull candles are green; Bear candles are pale/white in the reference drawings.
- Candles connect directly into the OHLC sequence unless the example requires a gap.
- The exit arrow begins from the last candle that completes the pattern.
- Bullish reversal examples expect Local DOWN + LOW; bearish reversals expect Local UP + HIGH.
- Continuation examples must agree with the existing local direction. Neutral patterns are information only.

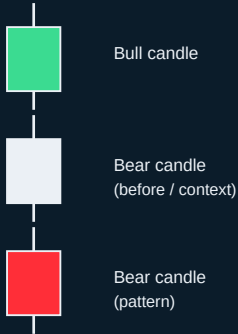
Use with structure

Always read Trend, Range, BOL and nearby POI/SM before using a candlestick pattern as confirmation context.

MS 1.1 Candlestick Pattern Reference

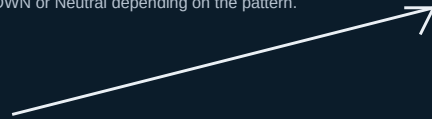
This page defines the drawing convention used in the official MS 1.1 pattern cards on the following pages.

Legend



Exit arrow

The exit arrow starts from the last candle that completes the pattern. Direction can be UP, DOWN or Neutral depending on the pattern.



Context rules

- Bullish reversals require Local DOWN + LOW.
- Bearish reversals require Local UP + HIGH.
- Bullish continuations require Local UP.
- Bearish continuations require Local DOWN.
- High Wave and Spinning Top are treated as Neutral context in the official reference.

Next pages

The pattern cards continue on the following pages. Read candle colors as Bull and Bear - no Bright/Dim convention is used.

Candlestick Pattern Reference

Hammer

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #1



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Inverted Hammer

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #1



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Ladder Bottom

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #5



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Harami Cross Bullish

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Harami Bullish

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Homing Pigeon

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Morning Doji Star

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Morning Star

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Kicking Bullish

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Matching Low

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Meeting Lines Bullish

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Piercing Bullish

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Three White Soldiers

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Stick Sandwich

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Three Inside Up

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Three Outside Up

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Three Stars in the South

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Unique Three River Bottom

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Tri-Star Bullish

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Tweezers Bottom

Type: Bullish Reversal

Prior trend/context: Local DOWN + LOW

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Hanging Man

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #1



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Harami Bearish

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Harami Cross Bearish

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Identical Three Crows

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Kicking Bearish

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Meeting Lines Bearish

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Piercing Bearish

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Shooting Star

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #1



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Shooting Star (2 Lines)

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Three Black Crows

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Three Inside Down

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Three Outside Down

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Upside Gap Two Crows

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Tri-Star Bearish

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Tweezers Top

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Two Crows

Type: Bearish Reversal

Prior trend/context: Local UP + HIGH

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Rising Three Methods

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #5



Mat Hold

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #5



Upside Gap Three Methods

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #3



Upside Tasuki Gap

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #3



Candlestick Pattern Reference

Window Rising

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Separating Lines Bullish

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Side-by-Side White Lines Bullish

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Last Engulfing Top

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Three Line Strike Bullish

Type: Bullish Continuation

Prior trend/context: Local UP

MS 1.1 detects: on close of candle #4



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Falling 3 Methods

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #5



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

In Neck

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

On Neck

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Window Falling

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Separating Lines Bearish

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #2



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Side-by-Side White Lines Bearish

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Two Black Gapping

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #3



Oldest -> Newest | prior candles continue into pattern unless a gap is required.

Candlestick Pattern Reference

Last Engulfing Bottom

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #2



Three Line Strike Bearish

Type: Bearish Continuation

Prior trend/context: Local DOWN

MS 1.1 detects: on close of candle #4



High Wave

Type: Neutral

Prior trend/context: No required prior trend

MS 1.1 detects: on close of candle #1



Spinning Top

Type: Neutral

Prior trend/context: No required prior trend

MS 1.1 detects: on close of candle #1



Notes

Use this page for chart observations, setup notes, questions or support references.

Next Steps

Need more detail?

Use the earlier chapters of this MS 1.1 User Manual for full object, workflow and troubleshooting explanations.

Need the pattern reference?

Use Appendix A for the official 56-pattern visual reference.

Need support?

Use Report Diagnostics, capture the exact chart state, and include the relevant Experts/Journal log and reproduction steps.

Need product updates?

Use the MQL5 Market product page and DemQora documentation/support channels for the current public build information.

Release 1 reminder

MS 1.1 Release 1 provides visualization, alerts and manual decision support. Auto Trading is not available. Market-structure objects and pattern/breakout states are analytical information, not guarantees of future price movement.