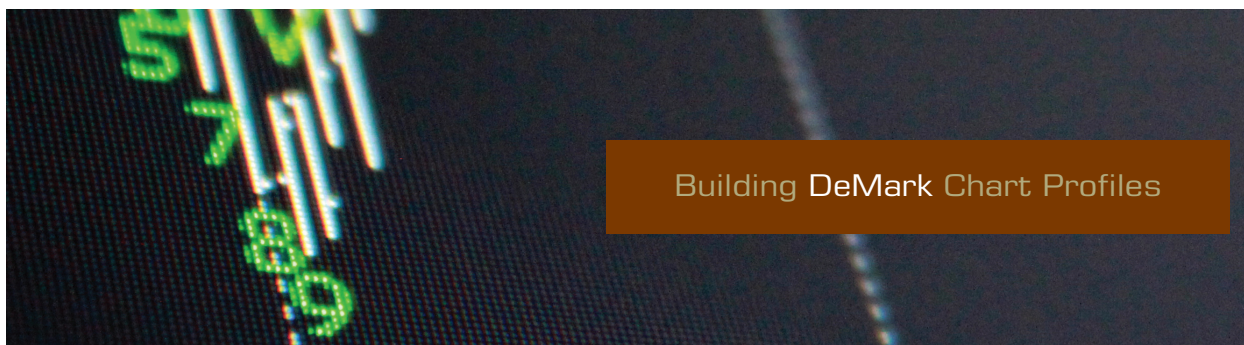


DeMark Service BLOOMBERG

Creating DeMark Indicator® Chart Templates



There are several ways to create customized DeMark Indicator chart templates within the Bloomberg Professional® platform. This document explains the most straightforward methods for doing so, allowing you to access personalized DeMark® charts on demand.

Creating Custom Templates

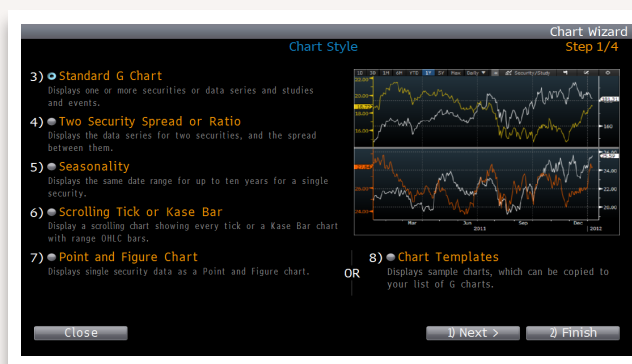
Customized chart templates within the Bloomberg Professional system (or “G Charts,” as they are commonly known) allow users to assign various indicators, settings, time frames and date ranges to saved price charts. This offers a quick and convenient means of retrieving frequently used chart layouts and workflows.

DeMark Service for Bloomberg subscribers have the ability to integrate any combination of nearly 70 DeMark Indicators into their chart profiles, providing direct access to preferred study combinations, time frames and configurations.

Standard Method

The standard method for creating customized chart templates relies on Bloomberg’s G Chart functionality. Typing G <GO> within the Bloomberg Professional terminal brings users to the G charting menu, displaying the Chart Library for all customized G Chart templates associated with one’s profile.

To build a new template, begin by selecting the 1) **Create Chart** button or typing G1 <GO>. A secondary window will appear asking which Chart Style you prefer. Most often, users will want to choose the **Standard G Chart** option. The subsequent screen allows you to define the chart template parameters, including the periodicity, date range and type. While the time period and date range for charts will vary based on one’s preferences, we typically recommend chang-



ing the Series Type to OHLC Bar (Open, High, Low, Close). Once the chart parameters have been defined, click the 1) **Next >** button to name the chart template.

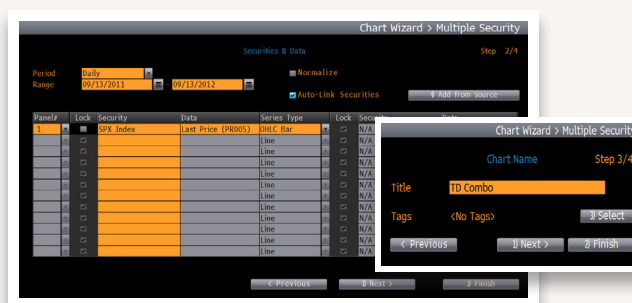


Chart Indicators are selected from the **Studies** line of the subsequent screen. To locate the desired indicator, type the corresponding DeMark “function code” (listed within the

Bloomberg terminal and at the end of this document), enter the full DeMark Indicator name and choose from the predictive typing feature list, or select the Browse feature and navigate to the desired study. Clicking the gray 2) >> button (ensuring that the indicator is displayed in the right panel) and then 1) Update will create and automatically save the customized DeMark Indicator template and assign it a numerical G value.



To utilize this chart template with any security, use the Bloomberg convention of Ticker, Yellow Key, G# and <GO>.

Alternative Method

A quicker method for building a custom chart template relies on the GPO function from the Bloomberg command line. Entering a security's symbol followed by GPO and the DeMark Indicator "function code" produces a chart containing the corresponding DeMark study with your defaulted settings. To illustrate, typing the command string `SPX Index GPO TDCB <GO>` would produce a chart of the S&P 500 Index using the Combo® study.



Chart, periodicity, historical data and study defaults can be modified at any time by typing `TDEF <GO>` in your Bloomberg Professional terminal.*

Once the chart has finished loading and the settings have been confirmed, the template can be saved by clicking the 95) Save As button in the Bloomberg menu bar.

A pop-up window will appear, allowing users to select a name for the chart template. Enter a title and click the 1) Save button. A confirmation window will appear, indicating that the chart template has been successfully saved and displaying a corresponding "G Chart number." From this screen, the chart

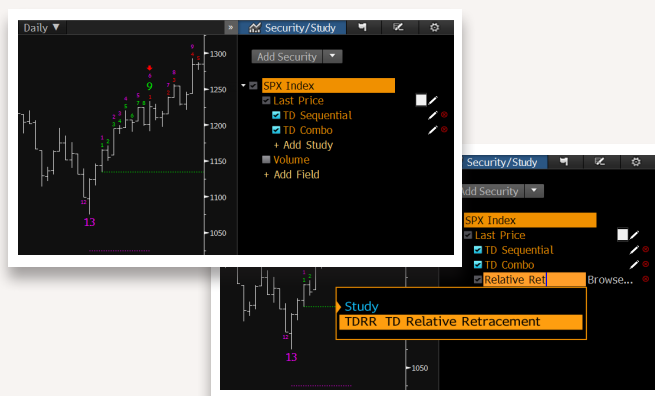
template can be relaunched or it can be closed.

This DeMark G Chart number can be entered in the command line of the Bloomberg Professional terminal at any time to instantly load the corresponding chart profile. To access a specific security using the saved template, type the Bloomberg convention of Ticker, Yellow Key, G# and <GO>. You can confirm the G template selected and change the security shown in the chart from the Bloomberg menu bar.

Adding Multiple Studies to Templates

Additional DeMark Indicators may be added to saved chart templates at any time by launching the desired G Chart and selecting the Security/Study button above the chart window.

Clicking the + Add Study option allows users to insert additional DeMark Indicator function codes or Browse for DeMark Indicators by name, for use with the saved chart template. When completed, clicking the Security/Study button automatically saves the updated G Chart.



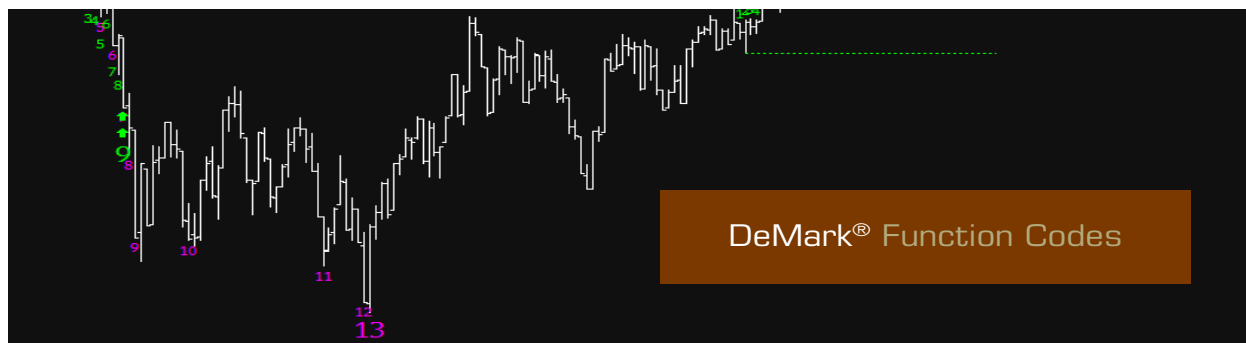
Improving Workflow Efficiency

Creating custom price chart templates in Bloomberg Professional allows users to improve their workflow for greater utility and efficiency. With keyboard shortcuts and custom menu buttons, users can instantly access the information they value most. Whether it's a daily G Chart featuring the Sequential® and Range Projection® studies over the past two years, a one-minute G Chart featuring the Combo study coupled with standard technical analytics over the past two days, or any other configuration, the possibilities can be as simple or complex as the user wishes.

* With Bloomberg's new charting functionality, study calculations are limited to the data points displayed over the specified historical range. As a result, even though most DeMark Indicators require much less information, we recommend at least 200 price bars of charting data to ensure all calculations are performed correctly. This translates to one year of data for daily charts, five years of data for weekly charts and 200 incremental bars for intraday charts.

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DeMark Indicator® Function Codes



The following DeMark Indicator function code abbreviations can be used to generate DeMark® charts from the command line of your Bloomberg Professional® terminal. To produce a chart, enter the Bloomberg naming convention of Ticker, Yellow Key, GPO and function code, followed by the <GO> key.

Trend Analysis

TDCB	Combo
TDSQ	Sequential
TDCBA	Aggressive Combo
TDSQA	Aggressive Sequential
TDDWV	D-Wave
TDCBP	Phantom Combo
TDSQP	Phantom Sequential
TDRFC	Reference Close
TDCBX	Variable Aggressive Combo
TDSQX	Variable Aggressive Sequential
TDCBV	Variable Combo
TDSQV	Variable Sequential

Support/Resistance

TDABS	Absolute Retracement
TDARC	Arc
TDFI	Fibonacci Intraday
TDFR	Fibonacci Range
TDLGP	Line Gap
TDLIN	Lines
TDPRP	Propulsion
TDRBO	Range Expansion Breakout
TDRP	Range Projection
TDRR	Relative Retracement
TDTF	Trend Factor

Momentum/Oscillators

TDALN	Alignment
TDDK1	DeMarker 1
TDDK2	DeMarker 2
TDPL	Plurality
TDPS	Pressure
TDPRE	Pressure 1
TDREI	Range Expansion Index
TDRC	Rate of Change
TDRC2	Rate of Change 2

Channel/Moving Average

TDCH1	Channel 1
TDCH2	Channel 2
TDCH3	Channel 3
TDMA1	Moving Average 1
TDMA2	Moving Average 2

Patterns

TDADF	Anti Differential
TDCMO	Camouflage
TDCRI	Carrie
TDCLP	Clop
TDCPW	Clopwin
TDDFF	Differential

TDDIR	Directional
TDDPT	Double Point
TDEX1	Exit 1
TDFF	Flip-Flop
TDGAP	Gap
TDINR	In Range
TDLGP	Line Gap
TDLV	LV
TDMGA	Megaphone
TDMGN	Meghan
TDOPN	Open
TDOLP	Overlap
TDPM	Pattern Match
TDPT	Pivot
TDPT	Point
TDPTR	Point Reversal
TDRVC	Reverse Camouflage
TDRVD	Reverse Differential
TDRCK	Rocke
TDSPR	Spring
TD TJ	TJ
TDTRP	Trap
TDTRN	Trend
TDTS	Twisted Segment
TDUPD	Up Down
TDWDO	Waldo

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