## Stock / Bond Rotation Model

#### Indicator Signal Overview - Stock / Bond Rotation Model

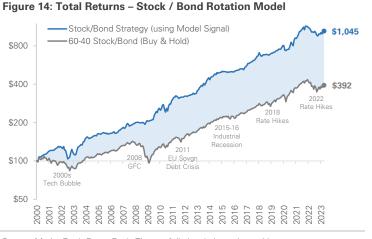
When the U.S. Risk Demand Indicator is below zero, own 100% Risk-Off Exposure. When the U.S. Risk Demand Indicator is above zero, own 100% Risk-On Exposure. Refer to page 2 to see when the model held Risk-On or Risk-Off exposure for each month since January 2000.

- Risk-On = Stocks (S&P 500 Index)
- Risk-Off = Bonds (U.S. Bond Aggregate Index)

#### Figure 13: Performance Statistics – Stock / Bond Rotation Model

Annual Statistics of Returns & Risks	60-40 Stock/Bond (Benchmark)	Stock / Bond Rotation Model
Average Return	6.4%	11.0%
Strategy CAGR	6.1%	10.6%
Maximum Drawdown	-33%	-20%
% of Positive Years	78%	91%
Upside Capture	100%	128%
Downside Capture	100%	8%
Net Capture	0%	+120%
Max Positive Year	22%	32%
Max Negative Year	-22%	-13%
Max Risk / Reward Ratio	1.01	2.49

Source: MarketDesk Quant Pack. Based on annual calendar year returns since 2000.



Source: MarketDesk Quant Pack. The portfolio is rebalanced monthly

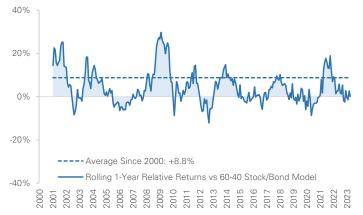
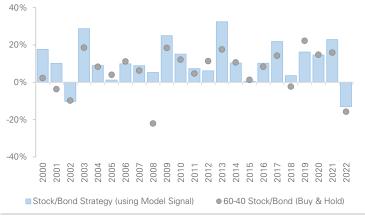


Figure 16: 1-Year Relative Returns - Stock / Bond Rotation Model

Source: MarketDesk Quant Pack

Figure 17: Portfolio Drawdowns - Stock / Bond Rotation Model 0% -20% -40% -60% Stock/Bond Strategy (using Model Signal) 60-40 Stock/Bond (Buy & Hold) -80% 2010 2012 2013 2014 2015 2016 2018 2019 2000 2001 2003 2005 2006 2009 2011 2017 2002 2004 2007 2008 021 022





Source: MarketDesk Quant Pack

# **Next Steps**



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