

# IVOP

## iPath® Inverse S&P 500 VIX Short-Term Futures™ ETN (II)

The iPath® Inverse S&P 500 VIX Short-Term Futures™ ETN (II) (the "ETNs") are designed to provide inverse exposure to the S&P 500 VIX Short-Term Futures™ Index Excess Return (the "Index"). The ETNs are riskier than ordinary unsecured debt securities and have no principal protection. The ETNs are unsecured debt obligations of the issuer, Barclays Bank PLC, and are not, either directly or indirectly, an obligation of or guaranteed by any third party. Any payment to be made on the ETNs, including any payment at maturity or upon redemption, depends on the ability of Barclays Bank PLC to satisfy its obligations as they come due. An investment in the ETNs involves significant risks, including possible loss of principal and may not be suitable for all investors.

The Index is designed to provide access to equity market volatility through CBOE Volatility Index® (the "VIX Index") futures. The Index offers exposure to a daily rolling long position in the first and second month VIX futures contracts and reflects market participants' views of the future direction of the VIX index at the time of expiration of the VIX futures contracts comprising the Index. Owning the ETNs is not the same as owning interests in the index components included in the Index or a security directly linked to the performance of the Index. For additional information regarding the risks associated with the ETNs, please see "Selected Risk Considerations" below.

### Summary

Primary Exchange	NYSE Arca
ETN Ticker	IVOP
Intraday Indicative Value Ticker	IVOP.IV <sup>1</sup>
Bloomberg ETN Keystroke	IVOP<EQUITY><GO>
Bloomberg Index Ticker	SPVXSP
Investor Fee Rate	0.89% per annum <sup>2</sup>
Automatic Termination Level	\$10.00 per ETN <sup>4</sup>
CUSIP	06741K486
ISIN	US06741K4866
Inception Date	16 September 2011
Maturity	20 September 2021
ETN Participation Ticker	IVOP.PTNV <sup>5</sup>

### Market Indicators (as of 06/30/2017)

Closing Indicative Note Value	\$38.35
Market Capitalization <sup>3</sup>	\$550,016
ETNs outstanding	14,342
Participation <sup>6</sup>	0.00
Short Index Amount <sup>7</sup>	0.10

The performance quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investment, when sold or redeemed may be worth more or less than the original cost. Current performance may be lower or higher than the performance quoted. See additional information below for how return figures are calculated. **PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS**

1. **Intraday Indicative Value.** The "intraday indicative value" meant to approximate the value of the ETNs during the current trading day by reference to the underlying index is calculated and published during the course of each trading day. The intraday indicative value is intended to provide investors with an approximation of the effect that intraday changes in the level of the underlying index would have on the closing indicative value of the ETNs. The intraday indicative value only reflects the accrued investor fee and other applicable costs at the close of business on the preceding day, but does not include any adjustment for the investor fee or applicable costs accruing during the course of the current day. For more information on how the intraday indicative value is calculated, please see the section "Valuation of the ETNs" in the prospectus relating to the ETNs.

The intraday indicative value is provided for reference purposes only. It is not intended as a price or quotation, or as an offer or solicitation for the purchase, sale, redemption or termination of the ETNs, nor does it reflect hedging or transaction costs, credit considerations, market liquidity, or bid-offer spreads. Published index levels from the sponsors of the indices underlying the ETNs may occasionally be subject to delay or postponement. Any such delays or postponements will affect the level of the index and therefore the intraday indicative value of the ETNs. Index levels provided by the sponsors of the indices underlying the ETNs do not necessarily reflect the depth and liquidity of the underlying markets for the index components. For this reason and others, the actual trading price of the ETNs may be different from their intraday indicative value.

2. **The investor fee rate** per ETN is 0.89% per year. The accrued fees (or the accrued investor fees) on the inception date were zero. On each subsequent calendar day until maturity or redemption, the accrued fees per ETN will equal (1) the accrued fees on the immediately preceding calendar day *plus* (2) the product of (i) the closing indicative note value on the immediately preceding valuation date *times* (ii) the investor fee rate *divided* by (iii) 365.

3. **Market Capitalization** = Closing Indicative Note Value x ETNs Outstanding

4. **Automatic Termination Level.** Barclays Bank PLC will automatically redeem your ETNs (in whole only, but not in part) if, on any valuation date prior to or on the final valuation date, the intraday indicative note value for the ETNs is less than or equal to 50.0% of the principal amount per ETN, or \$10.00 for each ETN.

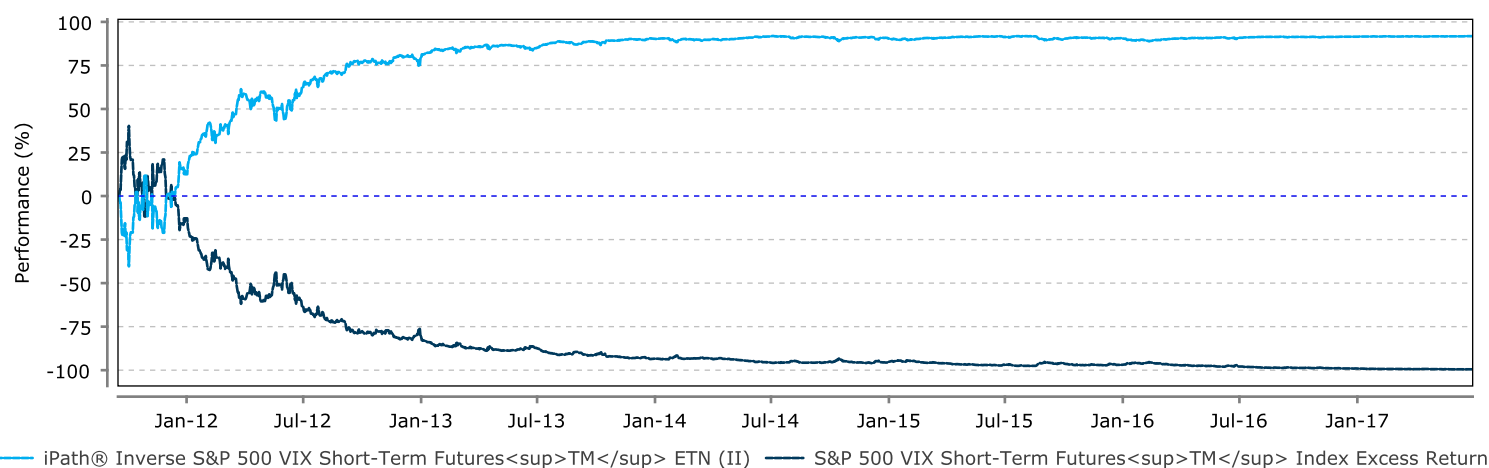
5. **The participation** is intended to approximate the ratio of the value of the notional exposure per ETN to the performance of the Index relative to the value of each ETN, as described in more detail in the product prospectus.

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7. **The short index amount** for the ETNs will be calculated according to the following equation: short index amount = \$20 *times* the closing level of the Index on such valuation date *divided* by the closing level of the Index on the initial valuation date. The short index amount of the ETNs, which is intended to provide an indication of the aggregate dollar value of "short" positions in VIX futures underlying the performance of the ETNs, will be calculated and published as soon as

reasonably practicable at the end of each valuation date by NYSE Arca or a successor under the ticker symbol "IVOP.IXNV" during the term of your ETNs.

## ETN and Index Historical Performance



Source: Barclays, Bloomberg.

The chart above shows the historical performance of the ETN and the Index from the ETN Inception Date which was September 16, 2011 to the previous days closing price.

## Index and ETN Returns (as of 06/30/2017)

	1 mo	3 mo	6 mo	YTD	1 yr	3 yrs	Since Inception
S&P 500 VIX Short-Term Futures <sup>TM</sup> Index Excess Return	-4.13%	-18.90%	-49.57%	-49.57%	-76.35%	-51.43%	-59.84%
ETN Closing Indicative Note Value Return	0.01%	0.04%	0.16%	0.16%	0.45%	0.01%	11.90%

## ETN Market Price Returns (as of 06/30/2017)

	1 mo	3 mo	6 mo	YTD	1 yr	3 yrs	Since Inception
iPath® Inverse S&P 500 VIX Short-Term Futures <sup>TM</sup> ETN (II)	0.13%	0.07%	2.31%	2.31%	2.69%	0.03%	-4.48%

Source: S&P Dow Jones LLC, subject to change.

The performance quoted represents past performance and does not guarantee future results. Investment return and principal value of an investment will fluctuate so that an investment, when sold or redeemed may be worth more or less than the original cost. Current performance may be lower or higher than the performance quoted. See additional information below for how return figures are calculated. **PAST PERFORMANCE IS NOT INDICATIVE OF FUTURE RESULTS.**

### Index Returns

Index returns show the change in the level of the index underlying the ETNs over the relevant period, expressed as a percentage. Index returns are calculated using the closing index level from the beginning of the relevant period to the end of the relevant period. For any historical period of one year or longer, index returns are shown on an annualized basis. Index returns are for illustrative purposes only and do not represent actual ETN performance. Index returns do not reflect any management fees, transaction costs, or expenses which would reduce your actual return, including the investor fee and applicable costs of the ETNs. Indexes are unmanaged and one cannot invest directly in an index.

### ETN Closing Indicative Note Value Returns

ETN closing indicative note value returns show the change in the closing indicative value of the ETNs over the relevant period, expressed as a percentage. For any historical period of one year or longer, closing indicative note value returns are shown on an annualized basis. The closing indicative note value of an ETN is an amount per ETN calculated on each valuation date that reflects the change in value of the ETN from the previous valuation date due to the daily change in the index level and the daily accrual of the investor fee and other applicable costs. The closing indicative note value of an ETN may differ from the actual trading price of the ETN at any time due to hedging or transaction costs, credit considerations, market liquidity, bid-offer spreads or other factors affecting the trading price of the ETN. For more information on how the closing indicative note value is calculated, please see the section "Specific Terms of the ETNs" in the prospectus relating to the ETNs.

### ETN Market Price Returns

ETN Market price returns show the change in the end-of-day trading price of the ETNs on the exchange over the relevant period, expressed as a percentage. Market price returns are calculated using the midpoint of the bid/ask spread at 4:00 pm Eastern time (or the last midpoint of the bid/ask spread prior to 4:00 pm Eastern time) from the beginning of the relevant period to the end of the relevant period. For any historical period of one year or longer, market price returns are shown on an annualized basis. Market price returns do not represent the returns you would receive if you traded at a price or at a time on the exchange other than as described in this section. Market price returns do not account for brokerage commissions, which will reduce actual returns, and may not

In the event that there is an absence of a bid/ask value at 4PM on the relevant month end, N/A will be displayed in place of a percentage value for ETN Market Price Returns.

include the effect of any applicable fees and costs on the ETNs.

## Correlations (as of 06/30/2017)

Index	Correlations*
S&P 500 VIX Short-Term Futures <sup>TM</sup> Index Excess Return	1.00

Barclays US Aggregate Bond Index	0.01
Bloomberg Commodity Index Total Return <sup>SM</sup>	-0.26
MSCI Emerging Markets Net Total Return Index	-0.57
MSCI EAFE <sup>®</sup> Net Total Return Index	-0.74
S&P 500 <sup>®</sup> Total Return Index	-0.79

Sources: Bloomberg Finance L.P., Barclays, MSCI Inc., S&P Dow Jones Indices LLC. Correlations are calculated on a monthly basis over a 5-year period from the "as of" date referenced above.

\* Correlation is a term used to describe the statistical relationship between two or more quantities or variables. Perfectly correlated assets will have a correlation coefficient of one, while the correlation coefficient will be zero when returns on two assets are completely independent.

**Index correlations are for illustrative purposes only and do not represent actual ETN performance. PAST PERFORMANCE IS NOT INDICATIVE FOR FUTURE RESULTS.**

- The S&P 500<sup>®</sup> Index is intended to provide an indication of the pattern of stock price movement in the U.S. equities market.
- The Bloomberg Commodity Index Total Return<sup>SM</sup> reflects the returns that are potentially available through an unleveraged investment in the futures contracts on physical commodities comprising the index plus the rate of interest that could be earned on cash collateral invested in specified Treasury Bills.
- The MSCI EAFE Index is an equity index which captures large and mid cap representation across Developed Markets countries around the world, excluding the US and Canada
- The MSCI Emerging Markets Index<sup>SM</sup> captures large and mid cap representation across 21 Emerging Markets countries.
- The Barclays U.S. Aggregate Bond Index provides a measure of the performance of the U.S. investment grade bonds market.

## Index Components (as of 06/30/2017)

Index Components	Weightings %
CBOE VIX Future JUL 17	57.21%
CBOE VIX Future AUG 17	42.79%

Source: S&P Dow Jones LLC, subject to change.

## Selected Risk Considerations

An investment in the iPath ETNs described herein (the "ETNs") involves risks, including possible loss of principal, and may not be suitable for all investors. Selected risks are summarized here and select product specific risk factors are summarized under "Select Risk Considerations" on the relevant product pages, but we urge you to read the more detailed explanation of risks described under "Risk Factors" in the applicable product prospectus.

**You May Lose Some or All of Your Principal:** The ETNs are exposed to any decrease in the level of the underlying index between the inception date and the applicable valuation date. Additionally, if the level of the underlying index is insufficient to offset the negative effect of the investor fee and other applicable costs, you will lose some or all of your investment at maturity or upon redemption, even if the value of such index level has increased or decreased, as the case may be. Because the ETNs are subject to an investor fee and other applicable costs, the return on the ETNs will always be lower than the total return on a direct investment in the index components. **The ETNs are riskier than ordinary unsecured debt securities and have no principal protection.**

**Credit of Barclays Bank PLC:** The ETNs are unsecured debt obligations of the issuer, Barclays Bank PLC, and are not, either directly or indirectly, an obligation of or guaranteed by any third party. Any payment to be made on the ETNs, including any payment at maturity or upon redemption, depends on the ability of Barclays Bank PLC to satisfy its obligations as they come due. As a result, the actual and perceived creditworthiness of Barclays Bank PLC will affect the market value, if any, of the ETNs prior to maturity or redemption. In addition, in the event Barclays Bank PLC were to default on its obligations, you may not receive any amounts owed to you under the terms of the ETNs.

**Issuer Redemption:** If specified in the applicable prospectus, Barclays Bank PLC will have the right to redeem or call a series of ETNs (in whole but not in part) at its sole discretion and without your consent on any trading day on or after the inception date until and including maturity.

**Automatic Redemption:** If specified in the applicable prospectus, Barclays Bank PLC will automatically redeem a series of ETNs (in whole only, but not in part) at the specified automatic redemption value if, on any valuation date prior to or on the final valuation date, the intraday indicative net value of the ETNs becomes less than or equal to the applicable level specified in the prospectus. For ETNs inversely linked to the S&P 500 VIX Short-Term Futures™ Index Excess Return, an automatic redemption may occur as a result of a precipitous increase in volatility in the U.S. equity markets and is highly likely to occur if the historical frequency of precipitous increases in volatility in the U.S. equity markets persist.

**The Performance of the Underlying Indices are Unpredictable:** An investment in the ETNs is subject to risks associated with fluctuations, particularly a decline, in the performance of the underlying index. Because the performance of such index is linked to futures contracts on the CBOE® Volatility Index (the "VIX Index"), the performance of the underlying index will depend on many factors including, the level of the S&P 500® Index, the prices of options on the S&P 500® Index, and the level of the VIX Index which may change unpredictably, affecting the value of futures contracts on the VIX Index and, consequently, the level of the underlying index. Additional factors that may contribute to fluctuations in the level of such index include prevailing market prices and forward volatility levels of the U.S. stock markets and the equity securities included in the S&P 500® Index, the prevailing market prices of options on the VIX Index, relevant futures contracts on the VIX Index, or any other financial instruments related to the S&P 500® Index and the VIX Index, interest rates, supply and demand in the listed and over-the-counter equity derivative markets as well as hedging activities in the equity-linked structured product markets.

**Your ETNs Are Not Linked to the VIX Index:** The value of your ETNs will be linked to the value of the underlying index, and your ability to benefit from any rise or fall in the level of the VIX Index is limited. The index underlying your ETNs is based upon holding a rolling long position in futures on the VIX Index. These futures will not necessarily track the performance of the VIX Index. Your ETNs may not benefit from increases in the level of the VIX Index because such increases will not necessarily cause the level of VIX Index futures to rise. Accordingly, a hypothetical investment that was linked directly to the VIX Index could generate a higher return than your investment in the ETNs.

**Market and Volatility Risk:** The market value of the ETNs may be influenced by many unpredictable factors and may fluctuate between the date you purchase them and the maturity date or redemption date. You may also sustain a significant loss if you sell your ETNs in the secondary market. Factors that may influence the market value of the ETNs include prevailing market prices of the U.S. stock markets, the index components included in the underlying index, and prevailing market prices of options on such index or any other financial instruments related to such index; and supply and demand for the ETNs, including economic, financial, political, regulatory, geographical or judicial events that affect the level of such index or other financial instruments related to such index.

**A Trading Market for the ETNs May Not Develop:** Although the ETNs are listed on a U.S. national securities exchange, a trading market for the ETNs may not develop and the liquidity of the ETNs may be limited, as we are not required to maintain any listing of the ETNs.

**No Interest Payments from the ETNs:** You may not receive any interest payments on the ETNs.

**Restrictions on the Minimum Number of ETNs and Date Restrictions for Redemptions:** You must redeem at least 25,000 ETNs of the same series at one time in order to exercise your right to redeem your ETNs on any redemption date. You may only redeem your ETNs on a redemption date if we receive a notice of redemption from you by certain dates and times as set forth in the product prospectus.

**Uncertain Tax Treatment:** Significant aspects of the tax treatment of the ETNs are uncertain. You should consult your own tax advisor about your own tax situation.

**Barclays Bank PLC has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus and other documents Barclays Bank PLC has filed with the SEC for more complete information about the issuer and this offering. You may get these documents for free by visiting [www.iPathETN.com](http://www.iPathETN.com) or EDGAR on the SEC website at [www.sec.gov](http://www.sec.gov). Alternatively, Barclays Bank PLC will arrange for Barclays Capital Inc. to send you the prospectus if you request it by calling 212-528-7990, or you may request a copy from any other dealer participating in the offering.**

The ETNs may be sold throughout the day on the exchange through any brokerage account. Commissions may apply and there are tax consequences in the event of sale, redemption or maturity of ETNs.

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