

VanEck Vectors ETF Trust
 Form 497K
 February 01, 2017

VANECK VECTORS™ SEMICONDUCTOR ETF*

Ticker: SMH®
 Principal U.S. Listing Exchange: NYSE Arca, Inc.
SUMMARY PROSPECTUS
 FEBRUARY 1, 2017

SMHSUM

Before you invest, you may want to review the Fund's prospectus, which contains more information about the Fund and its risks. You can find the Fund's prospectus and other information about the Fund online at <http://www.vaneck.com/library/etfs/>. You can also get this information at no cost by calling 800.826.2333, or by sending an email request to info@vaneck.com. The Fund's prospectus and statement of additional information, both dated February 1, 2017, are incorporated by reference into this summary prospectus.

INVESTMENT OBJECTIVE

VanEck Vectors™ Semiconductor ETF (the Fund) seeks to replicate as closely as possible, before fees and expenses, the price and yield performance of the MVIS™ US Listed Semiconductor 25 Index (the Semiconductor Index).

FUND FEES AND EXPENSES

The following tables describe the fees and expenses that you may pay if you buy and hold shares of the Fund (Shares).

Shareholder Fees (*fees paid directly from your investment*) None

Annual Fund Operating Expenses

(*expenses that you pay each year as a percentage of the value of your investment*)

| | |
|----------------|-------|
| Management Fee | 0.35% |
| Other Expenses | 0.06% |

| | |
|--|--------|
| Total Annual Fund Operating Expenses ^(a) | 0.41% |
| Fee Waivers and Expense Reimbursement ^(a) | -0.05% |

| | |
|--|-------|
| Total Annual Fund Operating Expenses After Fee Waiver and Expense Reimbursement ^(a) | 0.36% |
|--|-------|

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- (a) Van Eck Associates Corporation (the Adviser) has agreed to waive fees and/or pay Fund expenses to the extent necessary to prevent the operating expenses of the Fund (excluding acquired fund fees and expenses, interest expense, trading expenses, taxes and extraordinary expenses) from exceeding 0.35% of the Fund's average daily net assets per year until at least February 1, 2018. During such time, the expense limitation is expected to continue until the Fund's Board of Trustees acts to discontinue all or a portion of such expense limitation.

EXPENSE EXAMPLE

This example is intended to help you compare the cost of investing in the Fund with the cost of investing in other funds. This example does not take into account brokerage commissions that you pay when purchasing or selling Shares of the Fund.

The example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all of your Shares at the end of those periods. The example also assumes that your investment has a 5% annual return and that the Fund's operating expenses remain the same (except that the example incorporates the fee waiver and/or expense reimbursement arrangement for only the first year). Although your actual costs may be higher or lower, based on these assumptions, your costs would be:

YEAR EXPENSES

| | | |
|----|----|-----|
| 1 | \$ | 37 |
| 3 | \$ | 127 |
| 5 | \$ | 225 |
| 10 | \$ | 513 |

* Prior to May 1, 2016, the Fund's name was Market Vectors Semiconductor ETF.

PORTFOLIO TURNOVER

The Fund will pay transaction costs, such as commissions, when it purchases and sells securities (or turns over its portfolio). A higher portfolio turnover will cause the Fund to incur additional transaction costs and may result in higher taxes when Fund Shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, may affect the Fund's performance. During the most recent fiscal year, the Fund's portfolio turnover rate was 53% of the average value of its portfolio.

PRINCIPAL INVESTMENT STRATEGIES

The Fund normally invests at least 80% of its total assets in securities that comprise the Fund's benchmark index. The Semiconductor Index includes common stocks and depositary receipts of U.S. exchange-listed companies in the semiconductor sector. Such companies may include medium-capitalization companies and foreign companies that are listed on a U.S. exchange. Companies are considered to be in the semiconductor sector if they derive at least 50% of their revenues from (or, in certain circumstances, have at least 50% of their assets related to) semiconductors. The semiconductor sector includes companies engaged primarily in the production of semiconductors and semiconductor equipment. Of the largest 50 stocks in the semiconductor sector by full market capitalization, the top 25 by free-float market capitalization (*i.e.*, includes only shares that are readily available for trading in the market) and three month average daily trading volume are included in the Semiconductor Index. As of December 31, 2016, the Semiconductor Index included 25 securities of companies with a market capitalization range of approximately \$3.16 billion to \$171.88 billion and a weighted average market capitalization of \$2.83 billion. These amounts are subject to change. The Fund's 80% investment policy is non-fundamental and may be changed without shareholder approval upon 60 days' prior written notice to shareholders.

The Fund, using a passive or indexing investment approach, attempts to approximate the investment performance of the Semiconductor Index by investing in a portfolio of securities that generally replicates the Semiconductor Index. Unlike many investment companies that try to beat the performance of a benchmark index, the Fund does not try to beat the Semiconductor Index and does not seek temporary defensive positions when markets decline or appear overvalued. Indexing may eliminate the chance that the Fund will substantially outperform the Semiconductor Index but also may reduce some of the risks of active management, such as poor security selection. Indexing seeks to achieve lower costs and better after-tax performance by keeping portfolio turnover low in comparison to actively managed investment companies.

The Fund is classified as a non-diversified fund and, therefore, may invest a greater percentage of its assets in a particular issuer. The Fund may concentrate its investments in a particular industry or group of industries to the extent that the Semiconductor Index concentrates in an industry or group of industries. As of September 30, 2016, the Semiconductor Index was concentrated in the semiconductor sector, and each of the information technology and semiconductor equipment sectors represented a significant portion of the Semiconductor Index.

PRINCIPAL RISKS OF INVESTING IN THE FUND

Investors in the Fund should be willing to accept a high degree of volatility in the price of the Fund's Shares and the possibility of significant losses. An investment in the Fund involves a substantial degree of risk. An investment in the Fund is not a deposit with a bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Therefore, you should consider carefully the following risks before investing in the Fund, each of which could significantly and adversely affect the value of an investment in the Fund.

Risk of Investing in the Semiconductor Sector. Competitive pressures may have a significant effect on the financial condition of companies in the semiconductor sector. As product cycles shorten and manufacturing capacity increases, these companies may become increasingly subject to aggressive pricing, which hampers profitability. The Fund will be sensitive to changes in, and its performance will depend to a greater extent on, the overall condition of the semiconductor sector. Semiconductor companies are vulnerable to rapid product obsolescence. Many semiconductor companies may not successfully introduce new products, develop and maintain a loyal customer base or achieve general market acceptance for their products, and failure to do so could have a material adverse effect on their business, results of operations and financial condition. Reduced demand for end-user products, underutilization of manufacturing capacity, and other factors could adversely impact the operating results of companies in the semiconductor sector. Semiconductor companies typically face high capital costs and such companies may need additional financing, which may be difficult to obtain. They also may be subject to risks relating to research and development costs and the availability and price of components. Moreover, they may be heavily dependent on intellectual property rights and may be adversely affected by loss or impairment of those rights. Some of the companies involved in the semiconductor sector are also engaged in other lines of business unrelated to the semiconductor business, and they may experience problems with these lines of business, which could adversely affect their operating results. The international operations of many semiconductor companies expose them to risks associated with instability and changes in economic and political conditions, foreign currency fluctuations, changes in foreign regulations, competition from subsidized foreign competitors with lower production costs and other risks inherent to international business. The semiconductor sector is highly cyclical, which may cause the operating results of many semiconductor companies to vary

significantly. Companies in the semiconductor sector also may be subject to competition from new market entrants. The stock prices of companies in the semiconductor sector have been and will likely continue to be extremely volatile.

Certain companies in which the Fund may invest are non-U.S. issuers whose securities are listed on U.S. exchanges. These securities involve risks beyond those associated with investments in U.S. securities, including greater market volatility, higher transactional costs, the possibility that the liquidity of such securities could be impaired because of future political and/or economic developments, taxation by foreign governments, political instability, the possibility that foreign governmental restrictions may be adopted which might adversely affect such securities and that the selection of such securities may be more difficult because there may be less publicly available information concerning such non-U.S. issuers or the accounting, auditing and financial reporting standards, practices and requirements applicable to non-U.S. issuers may differ from those applicable to U.S. issuers.

Equity Securities Risk. The value of the equity securities held by the Fund may fall due to general market and economic conditions, perceptions regarding the markets in which the issuers of securities held by the Fund participate, or factors relating to specific issuers in which the Fund invests. Equity securities are subordinated to preferred securities and debt in a company's capital structure with respect to priority in right to a share of corporate income, and therefore will be subject to greater dividend risk than preferred securities or debt instruments. In addition, while broad market measures of equity securities have historically generated higher average returns than fixed income securities, equity securities have generally also experienced significantly more volatility in those returns, although under certain market conditions fixed income securities may have comparable or greater price volatility.

Risk of Investing in the Information Technology Sector. To the extent that the information technology sector continues to represent a significant portion of the Fund, the Fund will be sensitive to changes in, and its performance may depend to a greater extent on, the overall condition of the information technology sector. Information technology companies face intense competition, both domestically and internationally, which may have an adverse effect on profit margins. Information technology companies may have limited product lines, markets, financial resources or personnel. The products of information technology companies may face product obsolescence due to rapid technological developments and frequent new product introduction, unpredictable changes in growth rates and competition for the services of qualified personnel. Companies in the information technology sector are heavily dependent on patent protection and the expiration of patents may adversely affect the profitability of these companies.

Special Risk Considerations of Investing in Asian Issuers. The Fund may invest in securities issued by Asian issuers and, accordingly, may be subject to the risk of investing in such issuers. Investment in securities of issuers in Asia involves risks and special considerations not typically associated with investment in the U.S. securities markets. Certain Asian economies have experienced over-extension of credit, currency devaluations and restrictions, high unemployment, high inflation, decreased exports and economic recessions. Economic events in any one Asian country can have a significant effect on the entire Asian region as well as on major trading partners outside Asia, and any adverse effect on some or all of the Asian countries and regions in which the Fund invests. The securities markets in some Asian economies are relatively underdeveloped and may subject the Fund to higher action costs or greater uncertainty than investments in more developed securities markets. Such risks may adversely affect the value of the Fund's investments.

Risk of Investing in Foreign Securities. The Fund invests in securities of issuers located in countries whose economies are heavily dependent upon trading with key partners. Any reduction in this trading may have an adverse impact on the Fund's investments. Investments in the securities of foreign issuers involve risks beyond those associated with investments in U.S. securities. These additional risks include greater market volatility, the availability of less reliable financial information, higher transactional and custody costs, taxation by foreign governments, decreased market liquidity and political instability. Because certain foreign securities markets may be limited in size, the activity of large traders may have an undue influence on the prices of securities that trade in such markets. The risks of

investing in emerging market countries are greater than risks associated with investments in foreign developed countries.

Risk of Investing in Depositary Receipts. The Fund may invest in depositary receipts which involve similar risks to those associated with investments in foreign securities. Depositary receipts are receipts listed on U.S. exchanges issued by banks or trust companies that entitle the holder to all dividends and capital gains that are paid out on the underlying foreign shares. Investments in depositary receipts may be less liquid than the underlying shares in their primary trading market and, if not included in the Semiconductor Index, may negatively affect the Fund's ability to replicate the performance of the Semiconductor Index.

Risk of Investing in Medium-Capitalization Companies. Medium-capitalization companies may be more volatile and more likely than large-capitalization companies to have narrower product lines, fewer financial resources, less management depth and experience and less competitive strength. In addition, these companies often have greater price volatility, lower trading volume and less liquidity than larger more established companies. Returns on investments in securities of medium-capitalization companies could trail the returns on investments in securities of large-capitalization companies.

Issuer-Specific Changes Risk. The value of individual securities or particular types of securities in the Fund's portfolio can be more volatile than the market as a whole and can perform differently from the value of the market as a whole, especially if the Fund's portfolio is concentrated in a country, group of countries, region, market, industry, group of industries, sector or asset class. The value of securities of smaller issuers can be more volatile than that of larger issuers.

Market Risk. The prices of the securities in the Fund are subject to the risks associated with investing in the securities market, including general economic conditions and sudden and unpredictable drops in value. An investment in the Fund may lose money.

Operational Risk. The Fund is exposed to operational risk arising from a number of factors, including but not limited to, human error, processing and communication errors, errors of the Fund's service providers, counterparties or other third-parties, failed or inadequate processes and technology or system failures. The Fund seeks to reduce these operational risks through controls and procedures. However, these measures do not address every possible risk and may be inadequate for those risks that they are intended to address.

Index Tracking Risk. The Fund's return may not match the return of the Semiconductor Index for a number of reasons. For example, the Fund incurs a number of operating expenses not applicable to the Semiconductor Index and incurs costs associated with buying and selling securities, especially when rebalancing the Fund's securities holdings to reflect changes in the composition of the Semiconductor Index, which are not factored into the return of the Semiconductor Index. Transaction costs, including brokerage costs, will decrease the Fund's net asset value (NAV) to the extent not offset by the transaction fee payable by an Authorized Participant (AP). Market disruptions and regulatory restrictions could have an adverse effect on the Fund's ability to adjust its exposure to the required levels in order to track the Semiconductor Index. Errors in the Semiconductor Index data, the Semiconductor Index computations and/or the construction of the Semiconductor Index in accordance with its methodology may occur from time to time and may not be identified and corrected by the Semiconductor Index provider for a period of time or at all, which may have an adverse impact on the Fund and its shareholders. In addition, the Fund may not be able to invest in certain securities included in the Semiconductor Index, or invest in them in the exact proportions in which they are represented in the Semiconductor Index, due to legal restrictions or limitations imposed by the governments of certain countries, a lack of liquidity on stock exchanges in which the securities trade, potential adverse tax consequences or other regulatory reasons. To the extent the Fund calculates its net asset value NAV based on fair value prices and the value of the Semiconductor Index is based on securities' closing prices (*i.e.*, the value of the Semiconductor Index is not based on fair value prices), the Fund's ability to track the Semiconductor Index may be adversely affected. For tax efficiency purposes, the Fund may sell certain securities, and such sale may cause the Fund to realize a loss and deviate from the performance of the Semiconductor Index. In light of the factors discussed above, the Fund's return may deviate significantly from the return of the Semiconductor Index.

Authorized Participant Concentration Risk. The Fund may have a limited number of financial institutions that act as APs, none of which are obligated to engage in creation or redemption transactions. To the extent that those APs exit the business, or are unable to or choose not to process creation and/or redemption orders, and no other AP is able to step forward to create and redeem, there may be a significantly diminished trading market for Shares or Shares may trade like closed-end funds at a discount (or premium) to NAV and possibly face trading halts and/or de-listing. The AP concentration risk may be heightened in scenarios where APs have limited or diminished access to the capital required to post collateral.

No Guarantee of Active Trading Market. While Shares are listed on NYSE Arca, Inc. (NYSE Arca), there can be no assurance that an active trading market for the Shares will be maintained. Further, secondary markets may be subject to irregular trading activity, market dislocations, wide bid/ask spreads and extended trade settlement periods in times of market stress because market makers and APs may step away from making a market in the Shares and in

executing creation and redemption orders, which could cause a material deviation in the Fund's market price from its NAV.

Trading Issues. Trading in Shares on NYSE Arca may be halted due to market conditions or for reasons that, in the view of NYSE Arca, make trading in Shares inadvisable. In addition, trading in Shares on NYSE Arca is subject to trading halts caused by extraordinary market volatility pursuant to NYSE Arca's circuit breaker rules. There can be no assurance that the requirements of NYSE Arca necessary to maintain the listing of the Fund will continue to be met or will remain unchanged.

Replication Management Risk. An investment in the Fund involves risks similar to those of investing in any fund of equity securities traded on an exchange, such as market fluctuations caused by such factors as economic and political developments, changes in interest rates and perceived trends in security prices. However, because the Fund is not actively managed, unless a specific security is removed from the Semiconductor Index, the Fund generally would not sell a security because the security's issuer was in financial trouble. Therefore, the Fund's performance could be lower than funds that may actively shift their portfolio assets to take advantage of market opportunities or to lessen the impact of a market decline or a decline in the value of one or more issuers.

Fund Shares Trading, Premium/Discount Risk and Liquidity of Fund Shares. The market prices of the Shares may fluctuate in response to the Fund's NAV, the intraday value of the Fund's holdings and supply and demand for Shares. The

Adviser cannot predict whether Shares will trade above, below, or at their most recent NAV. Disruptions to creations and redemptions, the existence of market volatility or potential lack of an active trading market for Shares (including through a trading halt), as well as other factors, may result in Shares trading at a significant premium or discount to NAV or to the intraday value of the Fund's holdings. If a shareholder purchases Shares at a time when the market price is at a premium to the NAV or sells Shares at a time when the market price is at a discount to the NAV, the shareholder may sustain losses. The securities held by the Fund may be traded in markets that close at a different time than NYSE Arca. Liquidity in those securities may be reduced after the applicable closing times. Accordingly, during the time when NYSE Arca is open but after the applicable market closing, fixing or settlement times, bid-ask spreads on NYSE Arca and the resulting premium or discount to the Shares' NAV may widen. Additionally, in stressed market conditions, the market for the Fund's Shares may become less liquid in response to deteriorating liquidity in the markets for the Fund's underlying portfolio holdings.

Non-Diversified Risk. The Fund is classified as a non-diversified fund under the Investment Company Act of 1940, as amended (the 1940 Act). Therefore, the Fund may invest a relatively high percentage of its assets in a smaller number of issuers or may invest a larger proportion of its assets in a single issuer. As a result, the gains and losses on a single investment may have a greater impact on the Fund's NAV and may make the Fund more volatile than more diversified funds. The Fund may be particularly vulnerable to this risk because the Semiconductor Index is comprised of securities of a very limited number of issuers.

Concentration Risk. The Fund's assets may be concentrated in a particular sector or sectors or industry or group of industries to the extent the Semiconductor Index concentrates in a particular sector or sectors or industry or group of industries. To the extent that the Fund continues to be concentrated in the semiconductor sector, the Fund will be subject to the risk that economic, political or other conditions that have a negative effect on that sector will negatively impact the Fund to a greater extent than if the Fund's assets were invested in a wider variety of sectors or industries.

PERFORMANCE

The bar chart that follows shows how the Fund performed for the calendar years shown. The table below the bar chart shows the Fund's average annual returns (before and after taxes). The bar chart and table provide an indication of the risks of investing in the Fund by showing the Fund's performance from year to year and by showing how the Fund's average annual returns for the one year, five year and since inception periods compared with the Fund's benchmark index and a broad measure of market performance. All returns assume reinvestment of dividends and distributions. The Fund's past performance (before and after taxes) is not necessarily indicative of how the Fund will perform in the future. Updated performance information is available online at www.vaneck.com.

Annual Total Returns (%) Calendar Years

Best Quarter: 21.64 3Q 16
Worst Quarter: -10.02 2Q 12

Average Annual Total Returns for the Periods Ended December 31, 2016

The after-tax returns presented in the table below are calculated using the highest historical individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Your actual after-tax returns will depend on your specific tax situation and may differ from those shown below. After-tax returns are not relevant to investors who hold Shares of the Fund through tax-deferred arrangements, such as 401(k) plans or individual retirement accounts.

| | Past One Year | Past Five Years | Since Inception (12/20/2011) |
|--|--------------------------|----------------------------|---|
| VanEck Vectors Semiconductor ETF (return before taxes) | 35.39% | 20.54% | 20.78% |
| VanEck Vectors Semiconductor ETF (return after taxes on distributions) | 34.93% | 19.87% | 20.11% |
| VanEck Vectors Semiconductor ETF (return after taxes on distributions and sale of Fund Shares) | 20.04% | 16.46% | 16.68% |
| MVIS US Listed Semiconductor 25 Index (reflects no deduction for fees, expenses or taxes) | 35.51% | 20.45% | 20.69% |
| S&P 500® Index (reflects no deduction for fees, expenses or taxes) | 11.96% | 14.66% | 14.88% |

PORTFOLIO MANAGEMENT

Investment Adviser. Van Eck Associates Corporation.

Portfolio Managers. The following individuals are jointly and primarily responsible for the day-to-day management of the Fund's portfolio:

| Name | Title with Adviser | Date Began Managing the Fund |
|-----------------------|---------------------------|---|
| Hao-Hung (Peter) Liao | Portfolio Manager | December 2011 |
| George Chao | Portfolio Manager | December 2011 |

PURCHASE AND SALE OF FUND SHARES

The Fund issues and redeems Shares at NAV only in a large specified number of Shares each called a Creation Unit, or multiples thereof. A Creation Unit consists of 50,000 Shares.

Individual Shares of the Fund may only be purchased and sold in secondary market transactions through brokers. Shares of the Fund are listed on NYSE Arca Inc. (NYSE Arca) and because Shares trade at market prices rather than NAV, Shares of the Fund may trade at a price greater than or less than NAV.

TAX INFORMATION

The Fund's distributions are taxable and will generally be taxed as ordinary income or capital gains.

PAYMENTS TO BROKER-DEALERS AND OTHER FINANCIAL INTERMEDIARIES

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The Adviser and its related companies may pay broker-dealers or other financial intermediaries (such as a bank) for the sale of the Fund Shares and related services. These payments may create a conflict of interest by influencing your broker-dealer or other intermediary or its employees or associated persons to recommend the Fund over another investment. Ask your financial adviser or visit your financial intermediary's website for more information.

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