SUMMARY PROSPECTUS

First Trust Nasdaq Artificial Intelligence and Robotics ETF

Ticker Symbol: ROBT
Exchange: Nasdaq

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 statutory prospectus and other information about the Fund, including the statement of additional information and most recent reports to shareholders, online at www.ftportfolios.com/retail/ETF/ETFfundnews.aspx?Ticker=ROBT. You can also get this information at no cost by calling (800) 621-1675 or by sending an e-mail request to info@ftportfolios.com. The Fund’s prospectus and statement of additional information, both dated February 1, 2019, are all incorporated by reference into this Summary Prospectus.
Investment Objective
The First Trust Nasdaq Artificial Intelligence and Robotics ETF (the "Fund") seeks investment results that correspond generally to the price and yield (before the Fund's fees and expenses) of an index called the Nasdaq CTA Artificial Intelligence and Robotics IndexSM (the "Index").

Fees and Expenses of the Fund
The following table describes the fees and expenses you may pay if you buy and hold shares of the Fund. Investors purchasing and selling shares may be subject to costs (including customary brokerage commissions) charged by their broker, which are not reflected in the table below.

Shareholder Fees
(fees paid directly from your investment)

| Maximum Sales Charge (Load) Imposed on Purchases (as a percentage of offering price) | None |

Annual Fund Operating Expenses
(expenses that you pay each year as a percentage of the value of your investment)

| Management Fees | 0.65% |
| Distribution and Service (12b-1) Fees | 0.00% |
| Other Expenses | 0.00% |
| **Total Annual Fund Operating Expenses** | **0.65%** |

Example
The example below 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 customary brokerage commissions that you pay when purchasing or selling shares of the Fund in the secondary market.

The example assumes that you invest $10,000 in the Fund for the time periods indicated. The example also assumes that your investment has a 5% return each year and that the Fund's operating expenses remain at current levels. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

<table>
<thead>
<tr>
<th>1 Year</th>
<th>3 Years</th>
<th>5 Years</th>
<th>10 Years</th>
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<tbody>
<tr>
<td>$66</td>
<td>$208</td>
<td>$363</td>
<td>$813</td>
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</tbody>
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Portfolio Turnover
The Fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher 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, affect the Fund's performance. During the fiscal period February 21, 2018 (inception) through September 30, 2018 the Fund's portfolio turnover rate was 67% of the average value of its portfolio.

Principal Investment Strategies
The Fund will normally invest at least 90% of its net assets (including investment borrowings) in the common stocks and depositary receipts that comprise the Index. The Fund, using an indexing investment approach, attempts to replicate, before fees and expenses, the performance of the Index. The Fund's investment advisor, seeks a correlation of 0.95 or better (before fees and expenses) between the Fund's performance and the performance of the Index; a figure of 1.00 would represent perfect correlation. The Index is owned, calculated and maintained by Nasdaq, Inc. (the "Index Provider"). Nasdaq, Inc. and the Consumer Technology Association ("CTA") have jointly developed the eligibility and selection criteria and rules for the Index.

The Index is designed to track the performance of companies engaged in the artificial intelligence ("AI") and robotics segments of the technology, industrial and other economic sectors. The Fund may invest in securities issued by companies operating in emerging markets. The Index Provider classifies a country as "emerging" based on a number of criteria including national income per capita, national market capitalization and national trading volume. Emerging market countries are generally characterized by lower market efficiency and less strict standards in accounting and securities regulation than developed markets. Companies are classified as operating in a country primarily by their country of incorporation, domicile and primary exchange listing. The Index includes companies in AI or robotics that are classified as one of the following three groups:

- Engagers: companies that design, create, integrate, or deliver robotics and/or AI in the form of products, software, or systems;
• Enablers: companies that develop the building block components for robotics or AI, such as advanced machinery, semiconductors and databases used for machine learning; and
• Enhancers: companies that provide their own value-added services on top of Engagers, but are not core to their product or service offering.

Securities are selected for inclusion in the Index in the following manner:

1. the starting universe consists of companies listed on an Index-eligible global stock exchange (see 2.iv. below) classified as AI or robotics engagers, enablers or enhancers, as determined by CTA;
2. companies that do not meet minimum liquidity and eligibility requirements, including the following, are excluded:
   i. minimum worldwide market capitalization of $250 million;
   ii. minimum three-month average daily dollar trading volume of $3 million;
   iii. minimum free float of 20%;
   iv. securities not listed on an Index-eligible global stock exchange (a global exchange will be deemed ineligible if securities cannot be readily obtained either due to foreign investment restrictions or otherwise);
3. each remaining company is ranked by its CTA AI/Robotics Exposure Score, which measures the percent a company is exposed to the AI/Robotics sector within its respective engager, enabler or enhancer category (see "Index Information" for a discussion of how Exposure Scores are calculated);
4. the Index then selects the top 30 companies within each category, including ties, based on their CTA AI/Robotics Exposure Scores;
5. the index divides the overall portfolio weight between the three classifications as follows:
   i. Engagers: 60%;
   ii. Enablers: 25%;
   iii. Enhancers: 15%;
6. companies are equally weighted within their respective classifications.

The Index is rebalanced quarterly and reconstituted semi-annually and the Fund will make corresponding changes to its portfolio shortly after the Index changes are made public. The Fund will be concentrated in an industry or a group of industries to the extent that the Index is so concentrated. As of December 31, 2018, the Index was composed of 92 securities with market capitalizations ranging from $73 million to $779 billion. As of December 31, 2018, the Fund had significant investments in information technology companies and Asian issuers.

The Fund is classified as “non-diversified” under the Investment Company Act of 1940, as amended (the “1940 Act”).

Principal Risks

You could lose money by investing in the Fund. An investment in the Fund is not a deposit of a bank and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other governmental agency. There can be no assurance that the Fund’s investment objectives will be achieved.

ASIA RISK. The Fund is subject to certain risks specifically associated with investments in the securities of Asian issuers. Many Asian economies have experienced rapid growth and industrialization, and there is no assurance that this growth rate will be maintained. Some Asian economies are highly dependent on trade, and economic conditions in other countries within and outside Asia can impact these economies. Certain of these economies may be adversely affected by trade or policy disputes with its major trade partners. There is also a high concentration of market capitalization and trading volume in a small number of issuers representing a limited number of industries, as well as a high concentration of investors and financial intermediaries. Certain Asian countries have experienced and may in the future experience expropriation and nationalization of assets, confiscatory taxation, currency manipulation, political instability, armed conflict and social instability as a result of religious, ethnic, socio-economic and/or political unrest. In particular, escalated tensions involving North Korea and any outbreak of hostilities involving North Korea could have a severe adverse effect on Asian economies. Governments of certain Asian countries have exercised, and continue to exercise, substantial influence over many aspects of the private sector. In certain cases, the government owns or controls many companies, including the largest in the country. Accordingly, government actions could have a significant effect on the issuers of the Fund’s securities or on economic conditions generally.

AUTHORIZED PARTICIPANT CONCENTRATION RISK. Only an authorized participant may engage in creation or redemption transactions directly with the Fund. A limited number of institutions act as authorized participants for the Fund. To the extent that these institutions exit the business or are unable to proceed with creation and/or redemption orders and no other authorized participant steps forward to create or redeem, the Fund’s shares may trade at a premium or discount to the Fund’s net asset value and possibly face delisting.

CONCENTRATION RISK. To the extent that the Fund invests a large percentage of its assets in a single asset class or the securities of issuers within the same country, state, region, industry or sector, an adverse economic, business or political development may affect
the value of the Fund’s investments more than if the Fund were more broadly diversified. A concentration makes the Fund more susceptible to any single occurrence and may subject the Fund to greater market risk than a fund that is not so concentrated.

**CURRENCY RISK.** Changes in currency exchange rates affect the value of investments denominated in a foreign currency, and therefore the value of such investments in the Fund’s portfolio. The Fund’s net asset value could decline if a currency to which the Fund has exposure depreciates against the U.S. dollar or if there are delays or limits on repatriation of such currency. Currency exchange rates can be very volatile and can change quickly and unpredictably. As a result, the value of an investment in the Fund may change quickly and without warning.

**CYBER SECURITY RISK.** The Fund is susceptible to operational risks through breaches in cyber security. A breach in cyber security refers to both intentional and unintentional events that may cause the Fund to lose proprietary information, suffer data corruption or lose operational capacity. Such events could cause the Fund to incur regulatory penalties, reputational damage, additional compliance costs associated with corrective measures and/or financial loss. Cyber security breaches may involve unauthorized access to the Fund’s digital information systems through “hacking” or malicious software coding but may also result from outside attacks such as denial-of-service attacks through efforts to make network services unavailable to intended users. In addition, cyber security breaches of the securities issuers or the Fund’s third-party service providers, such as its administrator, transfer agent, custodian, or sub-advisor, as applicable, or issuers in which the Fund invests, can also subject the Fund to many of the same risks associated with direct cyber security breaches. Although the Fund has established risk management systems designed to reduce the risks associated with cyber security, there is no guarantee that such efforts will succeed, especially because the Fund does not directly control the cyber security systems of issuers or third-party service providers.

**DEPOSITARY RECEIPTS RISK.** Depositary receipts may be less liquid than the underlying shares in their primary trading market. Any distributions paid to the holders of depositary receipts are usually subject to a fee charged by the depositary. Holders of depositary receipts may have limited voting rights, and investment restrictions in certain countries may adversely impact the value of depositary receipts because such restrictions may limit the ability to convert the equity shares into depositary receipts and vice versa. Such restrictions may cause the equity shares of the underlying issuer to trade at a discount or premium to the market price of the depositary receipts.

**EMERGING MARKETS RISK.** Investments in securities issued by companies operating in emerging market countries involve additional risks relating to political, economic, or regulatory conditions not associated with investments in securities and instruments issued by U.S. companies or by companies operating in other developed market countries. Investments in emerging markets securities are generally considered speculative in nature and are subject to the following heightened risks: smaller market capitalization of securities markets which may suffer periods of relative illiquidity; significant price volatility; restrictions on foreign investment; possible repatriation of investment income and capital; rapid inflation; and currency convertibility issues. Emerging market countries also often have less uniformity in accounting and reporting requirements, unsettled securities laws, unreliable securities valuation and greater risk associated with custody of securities. Furthermore, investors may be required to register the proceeds of sales and future economic or political crises could lead to price controls, forced mergers, expropriation or confiscatory taxation, seizure, nationalization or creation of government monopolies.

**EQUITY SECURITIES RISK.** The value of the Fund’s shares will fluctuate with changes in the value of the equity securities in which it invests. Equity securities prices fluctuate for several reasons, including changes in investors’ perceptions of the financial condition of an issuer or the general condition of the relevant equity market, such as market volatility, or when political or economic events affecting an issuer occur. Common stock prices may be particularly sensitive to rising interest rates, as the cost of capital rises and borrowing costs increase. Equity securities may decline significantly in price over short or extended periods of time, and such declines may occur in the equity market as a whole, or they may occur in only a particular country, company, industry or sector of the market.

**INDEX CONSTITUENT RISK.** The Fund may be a constituent of one or more indices. As a result, the Fund may be included in one or more index-tracking exchange-traded funds or mutual funds. Being a component security of such a vehicle could greatly affect the trading activity involving the Fund’s shares, the size of the Fund and the market volatility of the Fund. Inclusion in an index could increase demand for the Fund and removal from an index could result in outsized selling activity in a relatively short period of time. As a result, the Fund’s net asset value could be negatively impacted and the Fund’s market price may be below the Fund’s net asset value during certain periods. In addition, index rebalances may potentially result in increased trading activity in the Fund’s shares.

**INDEX PROVIDER RISK.** There is no assurance that the Index Provider will compile the Index accurately, or that the Index will be determined, maintained, constructed, reconstituted, rebalanced, composed, calculated or disseminated accurately. To correct any such error, the Index Provider may carry out an unscheduled rebalance or other modification of the Index constituents or weightings, which may increase the Fund’s costs. The Index Provider does not provide any representation or warranty in relation to the quality, accuracy or completeness of data in the Index, and it does not guarantee that the Index will be calculated in accordance with its stated methodology. Losses or costs associated with any Index Provider errors generally will be borne by the Fund and its shareholders.

**INFORMATION TECHNOLOGY COMPANIES RISK.** Information technology companies produce and provide hardware, software and information technology systems and services. These companies may be adversely affected by rapidly changing technologies, short product life cycles, fierce competition, aggressive pricing and reduced profit margins, the loss of patent, copyright and trademark protections, cyclical market patterns, evolving industry standards and frequent new product introductions. In addition, information
technology companies are particularly vulnerable to federal, state and local government regulation, and competition and consolidation, both domestically and internationally, including competition from foreign competitors with lower production costs. Information technology companies also heavily rely on intellectual property rights and may be adversely affected by the loss or impairment of those rights.

MARKET MAKER RISK. The Fund faces numerous market trading risks, including the potential lack of an active market for Fund shares due to a limited number of market markers. Decisions by market makers or authorized participants to reduce their role or step away from these activities in times of market stress could inhibit the effectiveness of the arbitrage process in maintaining the relationship between the underlying values of the Fund’s portfolio securities and the Fund’s market price. The Fund may rely on a small number of third-party market makers to provide a market for the purchase and sale of shares. Any trading halt or other problem relating to the trading activity of these market makers could result in a dramatic change in the spread between the Fund’s net asset value and the price at which the Fund’s shares are trading on the Exchange, which could result in a decrease in value of the Fund’s shares. This reduced effectiveness could result in Fund shares trading at a discount to net asset value and also in greater than normal intraday bid-ask spreads for Fund shares.

MARKET RISK. Market risk is the risk that a particular security, or shares of the Fund in general, may fall in value. Securities are subject to market fluctuations caused by such factors as economic, political, regulatory or market developments, changes in interest rates and perceived trends in securities prices. Shares of the Fund could decline in value or underperform other investments.

NON-CORRELATION RISK. The Fund’s return may not match the return of the Index for a number of reasons. The Fund incurs operating expenses not applicable to the Index, and may incur costs in buying and selling securities, especially when rebalancing the Fund’s portfolio holdings to reflect changes in the composition of the Index. In addition, the Fund’s portfolio holdings may not exactly replicate the securities included in the Index or the ratios between the securities included in the Index.

NON-DIVERSIFICATION RISK. The Fund is classified as “non-diversified” under the 1940 Act. As a result, the Fund is only limited as to the percentage of its assets which may be invested in the securities of any one issuer by the diversification requirements imposed by the Internal Revenue Code of 1986, as amended. The Fund may invest a relatively high percentage of its assets in a limited number of issuers. As a result, the Fund may be more susceptible to a single adverse economic or regulatory occurrence affecting one or more of these issuers, experience increased volatility and be highly invested in certain issuers.

NON-U.S. SECURITIES RISK. Non-U.S. securities are subject to higher volatility than securities of domestic issuers due to possible adverse political, social or economic developments, restrictions on foreign investment or exchange of securities, lack of liquidity, currency exchange rates, excessive taxation, government seizure of assets, different legal or accounting standards, and less government supervision and regulation of securities exchanges in foreign countries.

PASSIVE INVESTMENT RISK. The Fund is not actively managed. The Fund invests in securities included in or representative of the Index regardless of investment merit. The Fund generally will not attempt to take defensive positions in declining markets. In the event that the Index is no longer calculated, the Index license is terminated or the identity or character of the Index is materially changed, the Fund will seek to engage a replacement index.

PREMIUM/DISCOUNT RISK. The market price of the Fund’s shares will generally fluctuate in accordance with changes in the Fund’s net asset value as well as the relative supply of and demand for shares on the Exchange. The Fund’s investment advisor cannot predict whether shares will trade below, at or above their net asset value because the shares trade on the Exchange at market prices and not at net asset value. Price differences may be due, in large part, to the fact that supply and demand forces at work in the secondary trading market for shares will be closely related, but not identical, to the same forces influencing the prices of the holdings of the Fund trading individually or in the aggregate at any point in time. However, given that shares can only be purchased and redeemed in Creation Units, and only to and from broker-dealers and large institutional investors that have entered into participation agreements (unlike shares of closed-end funds, which frequently trade at appreciable discounts from, and sometimes at premiums to, their net asset value), the Fund’s investment advisor believes that large discounts or premiums to the net asset value of shares should not be sustained.

ROBOTICS AND ARTIFICIAL INTELLIGENCE COMPANIES RISK. The Fund invests in robotics and artificial intelligence companies, which may have limited product lines, markets, financial resources or personnel and are subject to the risks of changes in business cycles, world economic growth, technological progress, and government regulation. These companies are also heavily dependent on intellectual property rights, and challenges to or misappropriation of such rights could have a material adverse effect on such companies. Securities of robotics and artificial intelligence companies tend to be more volatile than securities of companies that rely less heavily on technology. Robotics and artificial intelligence companies typically engage in significant amounts of spending on research and development, and rapid changes to the field could have a material adverse effect on a company’s operating results.

SMALL FUND RISK. The Fund currently has fewer assets than larger funds, and like other smaller funds, large inflows and outflows may impact the Fund’s market exposure for limited periods of time. This impact may be positive or negative, depending on the direction of market movement during the period affected. If the Fund fails to attract a large amount of assets, shareholders of the Fund may incur higher expenses as the Fund’s fixed costs would be allocated over a smaller number of shareholders.
SMALLER COMPANIES RISK. Small and/or mid capitalization companies may be more vulnerable to adverse general market or economic developments, and their securities may be less liquid and may experience greater price volatility than larger, more established companies as a result of several factors, including limited trading volumes, fewer products or financial resources, management inexperience and less publicly available information. Accordingly, such companies are generally subject to greater market risk than larger, more established companies.

TRADING ISSUES RISK. Although the shares of the Fund are listed for trading on the Exchange, there can be no assurance that an active trading market for such shares will develop or be maintained. Trading in shares on the Exchange may be halted due to market conditions or for reasons that, in the view of the Exchange, make trading in shares inadvisable. In addition, trading in shares on the Exchange is subject to trading halts caused by extraordinary market volatility pursuant to the Exchange’s “circuit breaker” rules. Market makers are under no obligation to make a market in the Fund’s shares, and authorized participants are not obligated to submit purchase or redemption orders for Creation Units. In the event market makers cease making a market in the Fund’s shares or authorized participants stop submitting purchase or redemption orders for Creation Units, Fund shares may trade at a larger premium or discount to their net asset value. There can be no assurance that the requirements of the Exchange necessary to maintain the listing of the Fund will continue to be met or will remain unchanged. The Fund may have difficulty maintaining its listing on the Exchange in the event the Fund’s assets are small or the Fund does not have enough shareholders.

Performance
The Fund has not yet operated for a full calendar year and, therefore, performance information is not included in this section of the prospectus. See “Total Return Information” for performance information regarding the Fund.

Management

Investment Advisor
First Trust Advisors L.P. (“First Trust” or the “Advisor”)

Portfolio Managers
The Fund’s portfolio is managed by a team (the “Investment Committee”) consisting of:

- Daniel J. Lindquist, Chairman of the Investment Committee and Managing Director of First Trust
- Jon C. Erickson, Senior Vice President of First Trust
- David G. McGarel, Chief Investment Officer, Chief Operating Officer and Managing Director of First Trust
- Roger F. Testin, Senior Vice President of First Trust
- Stan Ueland, Senior Vice President of First Trust
- Chris A. Peterson, Senior Vice President of First Trust

The Investment Committee members are primarily and jointly responsible for the day-to-day management of the Fund. Each Investment Committee member has served as a part of the portfolio management team of the Fund since 2018.

Purchase and Sale of Fund Shares
The Fund issues and redeems shares on a continuous basis, at net asset value, only in Creation Units consisting of 50,000 shares. The Fund’s Creation Units are generally issued and redeemed in-kind for securities in which the Fund invests and, in certain circumstances, for cash and only to and from broker-dealers and large institutional investors that have entered into participation agreements. Individual shares of the Fund may only be purchased and sold on Exchange and other eligible securities exchanges through a broker-dealer. Shares of the Fund trade on Exchange at market prices rather than net asset value, which may cause the shares to trade at a price greater than net asset value (premium) or less than net asset value (discount).

Tax Information
The Fund’s distributions are taxable and will generally be taxed as ordinary income or capital gains. Distributions on shares held in a tax-deferred account, while not immediately taxable, will be subject to tax when the shares are no longer held in a tax-deferred account.

Payments to Broker-Dealers and Other Financial Intermediaries
If you purchase shares of the Fund through a broker-dealer or other financial intermediary (such as a bank), First Trust and First Trust Portfolios L.P., the Fund’s distributor, may pay the intermediary for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your salesperson to recommend the Fund over another investment. Ask your salesperson or visit your financial intermediary’s website for more information.

You can find the Fund’s statutory prospectus and other information about the Fund, including the statement of additional information and most recent reports to shareholders, online at www.ftportfolios.com/retail/ETF/ETFfundnews.aspx?Ticker=ROBT.