

BLACKROCK FUNDSSM
BlackRock Total Factor Fund

**Supplement dated May 26, 2023 to the
Summary Prospectuses, Prospectuses and Statement of Additional Information of the Fund,
each dated November 28, 2022**

On May 23, 2023, the Board of Trustees of BlackRock FundsSM (the “Trust”), on behalf of its series, BlackRock Total Factor Fund (the “Fund”), approved a proposal to close the Fund to new and subsequent investments and thereafter to liquidate the Fund. Accordingly, effective 4:00 p.m. (Eastern time) on September 22, 2023, the Fund will no longer accept orders from new investors or existing shareholders to purchase Fund shares. On or about September 29, 2023 (the “Liquidation Date”), all of the assets of the Fund will have been liquidated completely, the shares of any shareholders holding shares on the Liquidation Date will be redeemed at the net asset value per share and the Fund will then be terminated as a series of the Trust. Shareholders may redeem their Fund shares or exchange their shares into shares of another mutual fund advised by BlackRock Advisors, LLC or its affiliates at any time prior to the Liquidation Date. In preparation for the liquidation, the Fund may deviate from its investment objective and principal investment strategies.

Shareholders should consult their personal tax advisers concerning their tax situation and the impact of the liquidation and/or exchanging to a different fund on their tax situation.

Shareholders should retain this Supplement for future reference.

PR2SAI-TFF-0523SUP

BlackRock Advantage Global Fund, Inc.

BlackRock Advantage SMID Cap Fund, Inc.

BlackRock Allocation Target Shares

BATS: Series A Portfolio
BATS: Series C Portfolio
BATS: Series E Portfolio
BATS: Series M Portfolio
BATS: Series P Portfolio
BATS: Series S Portfolio
BATS: Series V Portfolio

BlackRock Bond Fund, Inc.

BlackRock Sustainable Total Return Fund
BlackRock Total Return Fund

BlackRock California Municipal Series Trust

BlackRock California Municipal Opportunities Fund

BlackRock Capital Appreciation Fund, Inc.

BlackRock Emerging Markets Fund, Inc.

BlackRock Equity Dividend Fund

BlackRock EuroFund

BlackRock Financial Institutions Series Trust

BlackRock Summit Cash Reserves Fund

BlackRock FundsSM

BlackRock Advantage Emerging Markets Fund
BlackRock Advantage International Fund
BlackRock Advantage Large Cap Growth Fund
BlackRock Advantage Small Cap Core Fund
BlackRock Advantage Small Cap Growth Fund
BlackRock China A Opportunities Fund
BlackRock Commodity Strategies Fund
BlackRock Defensive Advantage Emerging Markets Fund
BlackRock Defensive Advantage International Fund
BlackRock Defensive Advantage U.S. Fund
BlackRock Energy Opportunities Fund
BlackRock Exchange Portfolio
BlackRock Global Equity Absolute Return Fund
BlackRock Global Impact Fund
BlackRock Global Equity Market Neutral Fund
BlackRock Health Sciences Opportunities Portfolio
BlackRock High Equity Income Fund

BlackRock Infrastructure Sustainable Opportunities Fund
BlackRock International Dividend Fund
BlackRock International Impact Fund
BlackRock Liquid Environmentally Aware Fund
BlackRock Mid-Cap Growth Equity Portfolio
BlackRock Real Estate Securities Fund
BlackRock Short Obligations Fund
BlackRock SMID-Cap Growth Equity Fund
BlackRock Sustainable Advantage Emerging Markets Equity Fund
BlackRock Sustainable Advantage International Equity Fund
BlackRock Sustainable Advantage Large Cap Core Fund
BlackRock Tactical Opportunities Fund
BlackRock Technology Opportunities Fund
BlackRock Total Factor Fund
BlackRock U.S. Impact Fund
BlackRock Wealth Liquid Environmentally Aware Fund
iShares Developed Real Estate Index Fund
iShares Municipal Bond Index Fund
iShares Russell Mid-Cap Index Fund
iShares Russell Small/Mid-Cap Index Fund
iShares Short-Term TIPS Bond Index Fund
iShares Total U.S. Stock Market Index Fund
iShares U.S. Intermediate Credit Bond Index Fund
iShares U.S. Intermediate Government Bond Index Fund
iShares U.S. Long Credit Bond Index Fund
iShares U.S. Long Government Bond Index Fund
iShares U.S. Securitized Bond Index Fund

BlackRock Funds II

BlackRock 20/80 Target Allocation Fund
BlackRock 40/60 Target Allocation Fund
BlackRock 60/40 Target Allocation Fund
BlackRock 80/20 Target Allocation Fund
BlackRock Dynamic High Income Portfolio
BlackRock Global Dividend Portfolio
BlackRock Managed Income Fund
BlackRock Multi-Asset Income Portfolio
BlackRock Retirement Income 2030 Fund
BlackRock Retirement Income 2040 Fund

BlackRock Funds III

BlackRock Diversified Fixed Income Fund
BlackRock LifePath[®] Dynamic Retirement Fund
BlackRock LifePath[®] Dynamic 2025 Fund

BlackRock LifePath® Dynamic 2030 Fund
 BlackRock LifePath® Dynamic 2035 Fund
 BlackRock LifePath® Dynamic 2040 Fund
 BlackRock LifePath® Dynamic 2045 Fund
 BlackRock LifePath® Dynamic 2050 Fund
 BlackRock LifePath® Dynamic 2055 Fund
 BlackRock LifePath® Dynamic 2060 Fund
 BlackRock LifePath® Dynamic 2065 Fund
 BlackRock LifePath® ESG Index Retirement Fund
 BlackRock LifePath® ESG Index 2025 Fund
 BlackRock LifePath® ESG Index 2030 Fund
 BlackRock LifePath® ESG Index 2035 Fund
 BlackRock LifePath® ESG Index 2040 Fund
 BlackRock LifePath® ESG Index 2045 Fund
 BlackRock LifePath® ESG Index 2050 Fund
 BlackRock LifePath® ESG Index 2055 Fund
 BlackRock LifePath® ESG Index 2060 Fund
 BlackRock LifePath® ESG Index 2065 Fund
 BlackRock LifePath® Index Retirement Fund
 BlackRock LifePath® Index 2025 Fund
 BlackRock LifePath® Index 2030 Fund
 BlackRock LifePath® Index 2035 Fund
 BlackRock LifePath® Index 2040 Fund
 BlackRock LifePath® Index 2045 Fund
 BlackRock LifePath® Index 2050 Fund
 BlackRock LifePath® Index 2055 Fund
 BlackRock LifePath® Index 2060 Fund
 BlackRock LifePath® Index 2065 Fund
 iShares MSCI Total International Index Fund
 iShares Russell 1000 Large-Cap Index Fund
 iShares S&P 500 Index Fund
 iShares U.S. Aggregate Bond Index Fund

BlackRock Funds IV

BlackRock Global Long/Short Credit Fund
 BlackRock Sustainable Advantage CoreAlpha Bond Fund
 BlackRock Systematic Multi-Strategy Fund

BlackRock Funds V

BlackRock Core Bond Portfolio
 BlackRock Floating Rate Income Portfolio
 BlackRock GNMA Portfolio
 BlackRock High Yield Bond Portfolio
 BlackRock Impact Mortgage Fund
 BlackRock Income Fund
 BlackRock Inflation Protected Bond Portfolio
 BlackRock Low Duration Bond Portfolio
 BlackRock Strategic Income Opportunities Portfolio

BlackRock Sustainable Emerging Markets Bond Fund
 BlackRock Sustainable Emerging Markets Flexible Bond Fund
 BlackRock Sustainable High Yield Bond Fund
 BlackRock Sustainable Low Duration Bond Fund

BlackRock Funds VI

BlackRock Advantage CoreAlpha Bond Fund

BlackRock Funds VII, Inc.

BlackRock Sustainable Emerging Markets Equity Fund
 BlackRock Sustainable International Equity Fund
 BlackRock Sustainable U.S. Growth Equity Fund
 BlackRock Sustainable U.S. Value Equity Fund

BlackRock Global Allocation Fund, Inc.

BlackRock Index Funds, Inc.

iShares MSCI EAFE International Index Fund
 iShares Russell 2000 Small-Cap Index Fund

BlackRock Large Cap Focus Growth Fund, Inc.

BlackRock Large Cap Focus Value Fund, Inc.

BlackRock Large Cap Series Funds, Inc.

BlackRock Advantage Large Cap Core Fund
 BlackRock Advantage Large Cap Value Fund
 BlackRock Event Driven Equity Fund

BlackRock Mid-Cap Value Series, Inc.

BlackRock Mid-Cap Value Fund

BlackRock Multi-State Municipal Series Trust

BlackRock New Jersey Municipal Bond Fund
 BlackRock New York Municipal Opportunities Fund
 BlackRock Pennsylvania Municipal Bond Fund

BlackRock Municipal Bond Fund, Inc.

BlackRock High Yield Municipal Fund
 BlackRock Impact Municipal Fund
 BlackRock National Municipal Fund
 BlackRock Short-Term Municipal Fund

BlackRock Municipal Series Trust

BlackRock Strategic Municipal Opportunities Fund

BlackRock Natural Resources Trust**BlackRock Series Fund, Inc.**

BlackRock Advantage Large Cap Core Portfolio
 BlackRock Capital Appreciation Portfolio
 BlackRock Global Allocation Portfolio
 BlackRock Government Money Market Portfolio
 BlackRock Sustainable Balanced Portfolio

BlackRock Series Fund II, Inc.

BlackRock High Yield Portfolio
 BlackRock U.S. Government Bond Portfolio

BlackRock Series, Inc.

BlackRock International Fund

BlackRock Strategic Global Bond Fund, Inc.**BlackRock Sustainable Balanced Fund, Inc.****BlackRock Unconstrained Equity Fund****BlackRock Variable Series Funds, Inc.**

BlackRock 60/40 Target Allocation ETF V.I. Fund

BlackRock Advantage Large Cap Core V.I. Fund

BlackRock Advantage Large Cap Value V.I. Fund

BlackRock Advantage SMID Cap V.I. Fund

BlackRock Basic Value V.I. Fund

BlackRock Capital Appreciation V.I. Fund

BlackRock Equity Dividend V.I. Fund

BlackRock Global Allocation V.I. Fund

BlackRock Government Money Market V.I. Fund

BlackRock International Index V.I. Fund

BlackRock International V.I. Fund

BlackRock Large Cap Focus Growth V.I. Fund

BlackRock Managed Volatility V.I. Fund

BlackRock S&P 500 Index V.I. Fund

BlackRock Small Cap Index V.I. Fund

BlackRock Variable Series Funds II, Inc.

BlackRock High Yield V.I. Fund

BlackRock Total Return V.I. Fund

BlackRock U.S. Government Bond V.I. Fund

Managed Account Series

BlackRock GA Disciplined Volatility Equity Fund

BlackRock GA Dynamic Equity Fund

Managed Account Series II

BlackRock U.S. Mortgage Portfolio

(each, a “Fund” and collectively, the “Funds”)

Supplement dated March 7, 2023 to the Summary Prospectuses, Prospectuses and Statement of Additional Information of each Fund

Effective March 9, 2023, any references to a Fund’s P.O. Box are deleted and replaced with:

P.O. Box 534429,
 Pittsburgh, Pennsylvania 15253-4429

Effective March 9, 2023, any references to a Fund’s overnight mailing address are deleted and replaced with:

Attention: 534429
 500 Ross Street 154-0520
 Pittsburgh, Pennsylvania 15262

Shareholders should retain this Supplement for future reference.

PR2SAI-GLOBAL-0323SUP

Summary Prospectus

BlackRock FundsSM | Class K Shares

- **BlackRock Total Factor Fund**

Class K: BSTKX

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 (including amendments and supplements), reports to shareholders and other information about the Fund, including the Fund's statement of additional information, online at <http://www.blackrock.com/prospectus>. You can also get this information at no cost by calling (800) 537-4942 or by sending an e-mail request to prospectus.request@blackrock.com, or from your financial professional. The Fund's prospectus and statement of additional information, both dated November 28, 2022, as amended and supplemented from time to time, are incorporated by reference into (legally made a part of) this Summary Prospectus.

This Summary Prospectus contains information you should know before investing, including information about risks. Please read it before you invest and keep it for future reference.

The Securities and Exchange Commission and the Commodity Futures Trading Commission have not approved or disapproved these securities or passed upon the adequacy of this Summary Prospectus. Any representation to the contrary is a criminal offense.

Not FDIC Insured • May Lose Value • No Bank Guarantee

Summary Prospectus

Key Facts About BlackRock Total Factor Fund

Investment Objective

The investment objective of BlackRock Total Factor Fund (“Total Factor Fund” or the “Fund”), a series of BlackRock FundsSM (the “Trust”), is to seek total return.

Fees and Expenses of the Fund

This table describes the fees and expenses that you may pay if you buy, hold and sell Class K Shares of the Fund. **You may pay other fees, such as brokerage commissions and other fees to your financial professional or your selected securities dealer, broker, investment adviser, service provider or industry professional (including BlackRock Advisors, LLC (“BlackRock”) and its affiliates) (each, a “Financial Intermediary”), which are not reflected in the table and example below.**

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)	Class K Shares
Management Fee ¹	0.50%
Distribution and/or Service (12b-1) Fees	None
Other Expenses ²	0.42%
Other Expenses of the Fund	0.42%
Other Expenses of the Subsidiary ²	—
Acquired Fund Fees and Expenses ³	0.01%
Total Annual Fund Operating Expenses ³	0.93%
Fee Waivers and/or Expense Reimbursements ^{1,4}	(0.42)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{1,4}	0.51%

¹ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 35, BlackRock has contractually agreed to waive the management fee with respect to any portion of the Fund’s assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through June 30, 2024. In addition, BlackRock has contractually agreed to waive its management fees by the amount of investment advisory fees the Fund pays to BlackRock indirectly through its investment in money market funds managed by BlackRock or its affiliates, through June 30, 2024. The contractual agreements may be terminated upon 90 days’ notice by a majority of the non-interested trustees of the Trust or by a vote of a majority of the outstanding voting securities of the Fund.

² The Other Expenses of the BlackRock Cayman Strategic Risk Allocation Fund, Ltd. (the “Subsidiary”) were less than 0.01% for the most recent fiscal year.

³ The Total Annual Fund Operating Expenses do not correlate to the ratio of expenses to average net assets given in the Fund’s most recent annual report, which does not include Acquired Fund Fees and Expenses.

⁴ As described in the “Management of the Fund” section of the Fund’s prospectus beginning on page 35, BlackRock has contractually agreed to waive and/or reimburse fees or expenses in order to limit Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements (excluding Dividend Expense, Interest Expense, Acquired Fund Fees and Expenses and certain other Fund expenses) to 0.50% of average daily net assets through June 30, 2024. The contractual agreement may be terminated upon 90 days’ notice by a majority of the non-interested trustees of the Trust or by a vote of a majority of the outstanding voting securities of the Fund.

Example:

This Example is intended to help you compare the cost of investing in the Fund with the cost of investing in other mutual funds. 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% return each year and that the Fund’s operating expenses remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	1 Year	3 Years	5 Years	10 Years
Class K Shares	\$52	\$254	\$474	\$1,104

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 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. For the fiscal year ended July 31, 2022, the Fund's portfolio turnover rate was 101% of the average value of its portfolio.

Principal Investment Strategies of the Fund

Total Factor Fund seeks to achieve its investment objective by investing in a broad range of global asset classes, such as equity securities (which may include derivative instruments that are tied economically to equity securities), fixed and floating rate debt instruments, derivatives, other investment companies, including exchange-traded funds ("ETFs"), real estate investment trusts ("REITs") and commodity-related instruments. The Fund will have flexibility with respect to the relative weighting of each asset class to produce total return and reduce risk.

The Fund applies a factor-based approach to portfolio construction to seek to more efficiently generate total return from a risk/return perspective than a traditional combination of equity and fixed-income securities. Through its research, BlackRock has identified macro and style factors that can drive returns across and within asset classes. BlackRock uses this research to determine allocations of the portfolio with reference to these factors and translates those allocations into asset classes. Such allocation across a range of asset classes and factors can lead to greater diversification and lower risk than a portfolio consisting solely of global equity securities. In determining the appropriate allocation across asset classes, the Fund will seek to manage exposure to macroeconomic factors, including, but not limited to, interest rates and economic growth and style factors, including, but not limited to, value, momentum, carry, and defensive factors. Allocations are computed not only in terms of capital but also in terms of risk in an effort to avoid overconcentration in any particular factor and to broaden the sources of potential returns.

The Fund will normally invest in both U.S. and non-U.S. companies, including companies located in emerging markets and in securities denominated in both U.S. dollars and foreign currencies. Equity securities include common stock, preferred stock, securities convertible into common stock, non-convertible preferred stock and depository receipts. The Fund may invest in securities of issuers of any market capitalization.

The Fund's investment in debt securities may include fixed and floating rate government and corporate bonds and other fixed-income instruments, such as medium term notes. The Fund may invest in debt securities of any credit quality, as determined by Fund management, which may include high yield securities (commonly called "junk bonds").

The Fund may invest in derivatives, including but not limited to, total return swaps (some of which may be referred to as contracts for difference), credit default swaps, interest rate swaps, options, futures, options on futures and swaps and foreign exchange transactions, for hedging purposes, as well as to enhance the return on its portfolio investments. There is no limit to the Fund's ability to invest in derivatives. The Fund may also invest in indexed and inverse securities. The Fund may engage in short sales of securities either to hedge against potential declines in the value of a security held in the portfolio or to realize appreciation when a security the Fund does not own declines in value.

The Fund may invest in other investment companies, including ETFs, which may be affiliated with BlackRock.

With respect to its cash investments, the Fund may hold high quality U.S. and non-U.S. money market securities, including, among others, short term U.S. Government securities, U.S. Government agency securities, securities issued by U.S. Government-sponsored enterprises and U.S. Government instrumentalities, short-term obligations of foreign issuers, bank obligations, commercial paper, including asset-backed commercial paper, corporate notes, repurchase agreements and obligations of supranational organizations. The Fund may invest a significant portion of its assets in money market funds, including those advised by BlackRock or its affiliates.

The Fund may invest in REITs and other real estate related securities.

The Fund may invest in commodity-related instruments. The Fund may make such investments through investments in BlackRock Cayman Strategic Risk Allocation Fund, Ltd. (the "Subsidiary"), a wholly-owned subsidiary of the Fund formed in the Cayman Islands, which invests primarily in commodity-related instruments and other derivatives. The Fund will not invest more than 25% of its total assets (measured at the time of investment) in the Subsidiary.

Principal Risks of Investing in the Fund

Risk is inherent in all investing. The value of your investment in Total Factor Fund, as well as the amount of return you receive on your investment, may fluctuate significantly from day to day and over time. You may lose part or all of your investment in the Fund or your investment may not perform as well as other similar investments. The following is a summary description of the principal risks of investing in the Fund. The relative significance of each risk factor below may change over time and you should review each risk factor carefully.

■ **Equity Securities Risk** — Stock markets are volatile. The price of equity securities fluctuates based on changes in a company's financial condition and overall market and economic conditions.

■ **Debt Securities Risk** — Debt securities, such as bonds, involve interest rate risk, credit risk, extension risk, and prepayment risk, among other things.

Interest Rate Risk — The market value of bonds and other fixed-income securities changes in response to interest rate changes and other factors. Interest rate risk is the risk that prices of bonds and other fixed-income securities will increase as interest rates fall and decrease as interest rates rise.

The Fund may be subject to a greater risk of rising interest rates due to the recent period of historically low interest rates. For example, if interest rates increase by 1%, assuming a current portfolio duration of ten years, and all other factors being equal, the value of the Fund's investments would be expected to decrease by 10%. (Duration is a measure of the price sensitivity of a debt security or portfolio of debt securities to relative changes in interest rates.) The magnitude of these fluctuations in the market price of bonds and other fixed-income securities is generally greater for those securities with longer maturities. Fluctuations in the market price of the Fund's investments will not affect interest income derived from instruments already owned by the Fund, but will be reflected in the Fund's net asset value. The Fund may lose money if short-term or long-term interest rates rise sharply in a manner not anticipated by Fund management.

To the extent the Fund invests in debt securities that may be prepaid at the option of the obligor (such as mortgage-backed securities), the sensitivity of such securities to changes in interest rates may increase (to the detriment of the Fund) when interest rates rise. Moreover, because rates on certain floating rate debt securities typically reset only periodically, changes in prevailing interest rates (and particularly sudden and significant changes) can be expected to cause some fluctuations in the net asset value of the Fund to the extent that it invests in floating rate debt securities.

These basic principles of bond prices also apply to U.S. Government securities. A security backed by the "full faith and credit" of the U.S. Government is guaranteed only as to its stated interest rate and face value at maturity, not its current market price. Just like other fixed-income securities, government-guaranteed securities will fluctuate in value when interest rates change.

A general rise in interest rates has the potential to cause investors to move out of fixed-income securities on a large scale, which may increase redemptions from funds that hold large amounts of fixed-income securities. Heavy redemptions could cause the Fund to sell assets at inopportune times or at a loss or depressed value and could hurt the Fund's performance.

Credit Risk — Credit risk refers to the possibility that the issuer of a debt security (i.e., the borrower) will not be able to make payments of interest and principal when due. Changes in an issuer's credit rating or the market's perception of an issuer's creditworthiness may also affect the value of the Fund's investment in that issuer. The degree of credit risk depends on both the financial condition of the issuer and the terms of the obligation.

Extension Risk — When interest rates rise, certain obligations will be paid off by the obligor more slowly than anticipated, causing the value of these obligations to fall.

Prepayment Risk — When interest rates fall, certain obligations will be paid off by the obligor more quickly than originally anticipated, and the Fund may have to invest the proceeds in securities with lower yields.

■ **Investment in Other Investment Companies Risk** — As with other investments, investments in other investment companies, including ETFs, are subject to market and selection risk. In addition, if the Fund acquires shares of investment companies, including ones affiliated with the Fund, shareholders bear both their proportionate share of expenses in the Fund (including management and advisory fees) and, indirectly, the expenses of the investment companies (to the extent not offset by BlackRock through waivers). To the extent the Fund is held by an affiliated fund, the ability of the Fund itself to hold other investment companies may be limited.

■ **Indexed and Inverse Securities Risk** — Indexed and inverse securities provide a potential return based on a particular index of value or interest rates. The Fund's return on these securities will be subject to risk with respect to the value of the particular index. These securities are subject to leverage risk and correlation risk. Certain indexed and inverse securities have greater sensitivity to changes in interest rates or index levels than other securities, and the Fund's investment in such instruments may decline significantly in value if interest rates or index levels move in a way Fund management does not anticipate.

■ **Derivatives Risk** — The Fund's use of derivatives may increase its costs, reduce the Fund's returns and/or increase volatility. Derivatives involve significant risks, including:

Leverage Risk — The Fund's use of derivatives can magnify the Fund's gains and losses. Relatively small market movements may result in large changes in the value of a derivatives position and can result in losses that greatly exceed the amount originally invested.

Market Risk — Some derivatives are more sensitive to interest rate changes and market price fluctuations than other securities. The Fund could also suffer losses related to its derivatives positions as a result of unanticipated market movements, which losses are potentially unlimited. Finally, BlackRock may not be able to predict correctly the direction of securities prices, interest rates and other economic factors, which could cause the Fund's derivatives positions to lose value.

Counterparty Risk — Derivatives are also subject to counterparty risk, which is the risk that the other party in the transaction will be unable or unwilling to fulfill its contractual obligation, and the related risks of having concentrated exposure to such a counterparty.

Illiquidity Risk — The possible lack of a liquid secondary market for derivatives and the resulting inability of the Fund to sell or otherwise close a derivatives position could expose the Fund to losses and could make derivatives more difficult for the Fund to value accurately.

Operational Risk — The use of derivatives includes the risk of potential operational issues, including documentation issues, settlement issues, systems failures, inadequate controls and human error.

Legal Risk — The risk of insufficient documentation, insufficient capacity or authority of counterparty, or legality or enforceability of a contract.

Volatility and Correlation Risk — Volatility is defined as the characteristic of a security, an index or a market to fluctuate significantly in price within a short time period. A risk of the Fund's use of derivatives is that the fluctuations in their values may not correlate with the overall securities markets.

Valuation Risk — Valuation for derivatives may not be readily available in the market. Valuation may be more difficult in times of market turmoil since many investors and market makers may be reluctant to purchase complex instruments or quote prices for them.

Hedging Risk — Hedges are sometimes subject to imperfect matching between the derivative and the underlying security, and there can be no assurance that the Fund's hedging transactions will be effective. The use of hedging may result in certain adverse tax consequences.

Tax Risk — Certain aspects of the tax treatment of derivative instruments, including swap agreements and commodity-linked derivative instruments, are currently unclear and may be affected by changes in legislation, regulations or other legally binding authority. Such treatment may be less favorable than that given to a direct investment in an underlying asset and may adversely affect the timing, character and amount of income the Fund realizes from its investments.

Regulatory Risk — Derivative contracts are subject to regulation under the Dodd-Frank Wall Street Reform and Consumer Protection Act (the "Dodd-Frank Act") in the United States and under comparable regimes in Europe, Asia and other non-U.S. jurisdictions. Under the Dodd-Frank Act, with respect to uncleared swaps, swap dealers are required to collect variation margin from the Fund and may be required by applicable regulations to collect initial margin from the Fund. Both initial and variation margin may be comprised of cash and/or securities, subject to applicable regulatory haircuts. Shares of investment companies (other than certain money market funds) may not be posted as collateral under applicable regulations. In addition, regulations adopted by global prudential regulators that are now in effect require certain bank-regulated counterparties and certain of their affiliates to include in certain financial contracts, including many derivatives contracts, terms that delay or restrict the rights of counterparties, such as the Fund, to terminate such contracts, foreclose upon collateral, exercise other default rights or restrict transfers of credit support in the event that the counterparty and/or its affiliates are subject to certain types of resolution or insolvency proceedings. The implementation of these requirements with respect to derivatives, as well as regulations under the Dodd-Frank Act regarding clearing, mandatory trading and margining of other derivatives, may increase the costs and risks to the Fund of trading in these instruments and, as a result, may affect returns to investors in the Fund.

■ **Commodities Related Investments Risk** — Exposure to the commodities markets may subject the Fund to greater volatility than investments in traditional securities. The value of commodity-linked derivative investments may be affected by changes in overall market movements, commodity index volatility, changes in interest rates, or factors affecting a particular industry or commodity, such as drought, floods, weather, embargoes, tariffs and international economic, political and regulatory developments.

■ **Convertible Securities Risk** — The market value of a convertible security performs like that of a regular debt security; that is, if market interest rates rise, the value of a convertible security usually falls. In addition, convertible securities are subject to the risk that the issuer will not be able to pay interest or dividends when due, and their market value may change based on changes in the issuer's credit rating or the market's perception of the issuer's creditworthiness. Since it derives a portion of its value from the common stock into which it may be converted, a convertible security is also subject to the same types of market and issuer risks that apply to the underlying common stock.

- **Depository Receipts Risk** — Depository receipts are generally subject to the same risks as the foreign securities that they evidence or into which they may be converted. In addition to investment risks associated with the underlying issuer, depository receipts expose the Fund to additional risks associated with the non-uniform terms that apply to depository receipt programs, credit exposure to the depository bank and to the sponsors and other parties with whom the depository bank establishes the programs, currency risk and the risk of an illiquid market for depository receipts. The issuers of unsponsored depository receipts are not obligated to disclose information that is, in the United States, considered material. Therefore, there may be less information available regarding these issuers and there may not be a correlation between such information and the market value of the depository receipts.
- **Emerging Markets Risk** — Emerging markets are riskier than more developed markets because they tend to develop unevenly and may never fully develop. Investments in emerging markets may be considered speculative. Emerging markets are more likely to experience hyperinflation and currency devaluations, which adversely affect returns to U.S. investors. In addition, many emerging securities markets have far lower trading volumes and less liquidity than developed markets.
- **Foreign Securities Risk** — Foreign investments often involve special risks not present in U.S. investments that can increase the chances that the Fund will lose money. These risks include:
 - The Fund generally holds its foreign securities and cash in foreign banks and securities depositories, which may be recently organized or new to the foreign custody business and may be subject to only limited or no regulatory oversight.
 - Changes in foreign currency exchange rates can affect the value of the Fund's portfolio.
 - The economies of certain foreign markets may not compare favorably with the economy of the United States with respect to such issues as growth of gross national product, reinvestment of capital, resources and balance of payments position.
 - The governments of certain countries, or the U.S. Government with respect to certain countries, may prohibit or impose substantial restrictions through capital controls and/or sanctions on foreign investments in the capital markets or certain industries in those countries, which may prohibit or restrict the ability to own or transfer currency, securities, derivatives or other assets.
 - Many foreign governments do not supervise and regulate stock exchanges, brokers and the sale of securities to the same extent as does the United States and may not have laws to protect investors that are comparable to U.S. securities laws.
 - Settlement and clearance procedures in certain foreign markets may result in delays in payment for or delivery of securities not typically associated with settlement and clearance of U.S. investments.
 - The Fund's claims to recover foreign withholding taxes may not be successful, and if the likelihood of recovery of foreign withholding taxes materially decreases, due to, for example, a change in tax regulation or approach in the foreign country, accruals in the Fund's net asset value for such refunds may be written down partially or in full, which will adversely affect the Fund's net asset value.
 - The European financial markets have recently experienced volatility and adverse trends due to concerns about economic downturns in, or rising government debt levels of, several European countries as well as acts of war in the region. These events may spread to other countries in Europe and may affect the value and liquidity of certain of the Fund's investments.
- **Investment Style Risk** — Certain investment styles may over time go in and out of favor. At times when an investment style used by the Fund is out of favor, the Fund may underperform other funds that use different investment styles.
- **Junk Bonds Risk** — Although junk bonds generally pay higher rates of interest than investment grade bonds, junk bonds are high risk investments that are considered speculative and may cause income and principal losses for the Fund.
- **Leverage Risk** — Some transactions may give rise to a form of economic leverage. These transactions may include, among others, derivatives, and may expose the Fund to greater risk and increase its costs. The use of leverage may cause the Fund to liquidate portfolio positions when it may not be advantageous to do so to satisfy its obligations or to meet the applicable requirements of the Investment Company Act of 1940, as amended (the "Investment Company Act"), and the rules thereunder. Increases and decreases in the value of the Fund's portfolio will be magnified when the Fund uses leverage.
- **Market Risk and Selection Risk** — Market risk is the risk that one or more markets in which the Fund invests will go down in value, including the possibility that the markets will go down sharply and unpredictably. The value of a security or other asset may decline due to changes in general market conditions, economic trends or events that

are not specifically related to the issuer of the security or other asset, or factors that affect a particular issuer or issuers, exchange, country, group of countries, region, market, industry, group of industries, sector or asset class. Local, regional or global events such as war, acts of terrorism, the spread of infectious illness or other public health issues like pandemics or epidemics, recessions, or other events could have a significant impact on the Fund and its investments. Selection risk is the risk that the securities selected by Fund management will underperform the markets, the relevant indices or the securities selected by other funds with similar investment objectives and investment strategies. This means you may lose money.

An outbreak of an infectious coronavirus (COVID-19) that was first detected in December 2019 developed into a global pandemic that has resulted in numerous disruptions in the market and has had significant economic impact leaving general concern and uncertainty. Although vaccines have been developed and approved for use by various governments, the duration of the pandemic and its effects cannot be predicted with certainty. The impact of this coronavirus, and other epidemics and pandemics that may arise in the future, could affect the economies of many nations, individual companies and the market in general ways that cannot necessarily be foreseen at the present time.

■ **Mid Cap Securities Risk** — The securities of mid cap companies generally trade in lower volumes and are generally subject to greater and less predictable price changes than the securities of larger capitalization companies.

■ **Model Risk** — The Fund seeks to pursue its investment objective by using proprietary models that incorporate quantitative analysis. Investments selected using these models may perform differently than as forecasted due to the factors incorporated into the models and the weighting of each factor, changes from historical trends, and issues in the construction and implementation of the models (including, but not limited to, software issues and other technological issues). There is no guarantee that BlackRock's use of these models will result in effective investment decisions for the Fund.

The information and data used in the models may be supplied by third parties. Inaccurate or incomplete data may limit the effectiveness of the models. In addition, some of the data that BlackRock uses may be historical data, which may not accurately predict future market movement. There is a risk that the models will not be successful in selecting investments or in determining the weighting of investment positions that will enable the Fund to achieve its investment objective.

■ **Money Market Securities Risk** — If market conditions improve while the Fund has invested some or all of its assets in high quality money market securities, this strategy could result in reducing the potential gain from the market upswing, thus reducing the Fund's opportunity to achieve its investment objective.

■ **Preferred Securities Risk** — Preferred securities may pay fixed or adjustable rates of return. Preferred securities are subject to issuer-specific and market risks applicable generally to equity securities. In addition, a company's preferred securities generally pay dividends only after the company makes required payments to holders of its bonds and other debt. For this reason, the value of preferred securities will usually react more strongly than bonds and other debt to actual or perceived changes in the company's financial condition or prospects. Preferred securities of smaller companies may be more vulnerable to adverse developments than preferred securities of larger companies.

■ **Real Estate-Related Securities Risk** — The main risk of real estate-related securities is that the value of the underlying real estate may go down. Many factors may affect real estate values. These factors include both the general and local economies, vacancy rates, tenant bankruptcies, the ability to re-lease space under expiring leases on attractive terms, the amount of new construction in a particular area, the laws and regulations (including zoning, environmental and tax laws) affecting real estate and the costs of owning, maintaining and improving real estate. The availability of mortgage financing and changes in interest rates may also affect real estate values. If the Fund's real estate-related investments are concentrated in one geographic area or in one property type, the Fund will be particularly subject to the risks associated with that area or property type. Many issuers of real estate-related securities are highly leveraged, which increases the risk to holders of such securities. The value of the securities the Fund buys will not necessarily track the value of the underlying investments of the issuers of such securities.

■ **REIT Investment Risk** — Investments in REITs involve unique risks. REITs may have limited financial resources, may trade less frequently and in limited volume, may engage in dilutive offerings of securities and may be more volatile than other securities. REIT issuers may also fail to maintain their exemptions from investment company registration or fail to qualify for the "dividends paid deduction" under the Internal Revenue Code of 1986, as amended (the "Internal Revenue Code"), which allows REITs to reduce their corporate taxable income for dividends paid to their shareholders.

■ **Repurchase Agreements Risk** — If the other party to a repurchase agreement defaults on its obligation under the agreement, the Fund may suffer delays and incur costs or lose money in exercising its rights under the agreement. If the seller fails to repurchase the security and the market value of the security declines, the Fund may lose money.

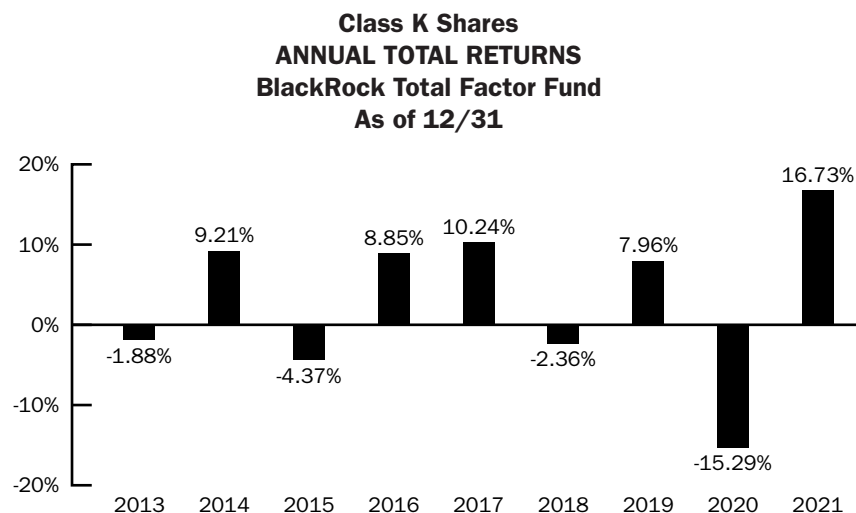
- **Short Sales Risk** — Because making short sales in securities that it does not own exposes the Fund to the risks associated with those securities, such short sales involve speculative exposure risk. The Fund will incur a loss as a result of a short sale if the price of the security increases between the date of the short sale and the date on which the Fund replaces the security sold short.
- **Sovereign Debt Risk** — Sovereign debt instruments are subject to the risk that a governmental entity may delay or refuse to pay interest or repay principal on its sovereign debt, due, for example, to cash flow problems, insufficient foreign currency reserves, political considerations, the relative size of the governmental entity's debt position in relation to the economy or the failure to put in place economic reforms required by the International Monetary Fund or other multilateral agencies.
- **Subsidiary Risk** — By investing in the Subsidiary, the Fund is indirectly exposed to the risks associated with the Subsidiary's investments. The commodity-related instruments held by the Subsidiary are generally similar to those that are permitted to be held by the Fund and are subject to the same risks that apply to similar investments if held directly by the Fund (see "Commodities Related Investments Risk" above). There can be no assurance that the investment objective of the Subsidiary will be achieved. The Subsidiary is not registered under the Investment Company Act, and, unless otherwise noted in this prospectus, is not subject to all the investor protections of the Investment Company Act. However, the Fund wholly owns and controls the Subsidiary, and the Fund and the Subsidiary are both managed by BlackRock, making it unlikely that the Subsidiary will take action contrary to the interests of the Fund and its shareholders. The Board has oversight responsibility for the investment activities of the Fund, including its investment in the Subsidiary, and the Fund's role as sole shareholder of the Subsidiary. The Subsidiary is subject to the same investment restrictions and limitations, and follows the same compliance policies and procedures, as the Fund except that the Subsidiary may invest without limitation in commodity-related instruments. Changes in the laws of the United States and/or the Cayman Islands could result in the inability of the Fund and/or the Subsidiary to operate as described in this prospectus and the Statement of Additional Information and could adversely affect the Fund.
- **Supranational Entities Risk** — The Fund may invest in obligations issued or guaranteed by the International Bank for Reconstruction and Development (the "World Bank"). The government members, or "stockholders," usually make initial capital contributions to the World Bank and in many cases are committed to make additional capital contributions if the World Bank is unable to repay its borrowings. There is no guarantee that one or more stockholders of the World Bank will continue to make any necessary additional capital contributions. If such contributions are not made, the entity may be unable to pay interest or repay principal on its debt securities, and the Fund may lose money on such investments.
- **Treasury Obligations Risk** — Direct obligations of the U.S. Treasury have historically involved little risk of loss of principal if held to maturity. However, due to fluctuations in interest rates, the market value of such securities may vary during the period shareholders own shares of the Fund.
- **U.S. Government Obligations Risk** — Certain securities in which the Fund may invest, including securities issued by certain U.S. Government agencies and U.S. Government sponsored enterprises, are not guaranteed by the U.S. Government or supported by the full faith and credit of the United States.
- **Variable and Floating Rate Instrument Risk** — Variable and floating rate securities provide for periodic adjustment in the interest rate paid on the securities. These securities may be subject to greater illiquidity risk than other fixed income securities, meaning the absence of an active market for these securities could make it difficult for the Fund to dispose of them at any given time.
- **Volatility Risk** — Although the Fund intends to implement strategies designed to limit volatility during times of market stress, the effectiveness of these strategies may depend on particular market conditions and other factors that are beyond the control of Fund management. There can be no assurance that the Fund's efforts to limit volatility will be successful or that any particular level of volatility will be achieved.

Performance Information

The Fund's Annual Total Returns between December 27, 2012 (commencement of operations) and February 2, 2017 as reflected in the bar chart and the table are the returns of the Fund that followed a different investment process and different investment strategies under the name "BlackRock Strategic Risk Allocation Fund."

The information shows you how the Fund's performance has varied for the periods since inception and provides some indication of the risks of investing in the Fund. Class K Shares commenced operations on February 3, 2017. As a result, returns show below for Class K Shares prior to February 3, 2017 are those of the Fund's Institutional Shares, which are not offered in this prospectus. The performance of Class K Shares would be substantially similar to Institutional Shares because Class K Shares and Institutional Shares are invested in the same portfolio of securities

and performance would differ only to the extent that Institutional Shares and Class K Shares have different expenses. The actual returns of Class K Shares would have been higher than those of the Institutional Shares because Class K Shares have lower expenses than the Institutional Shares. The table compares the Fund's performance to that of the MSCI World Index Hedged USD Net, the Bloomberg U.S. Aggregate Bond Index, a customized weighted index comprised of the returns of the the MSCI World Index Hedged USD Net (60%) and the Bloomberg U.S. Aggregate Bond Index (40%) and the ICE BofA 3-Month U.S. Treasury Bill Index. To the extent that dividends and distributions have been paid by the Fund, the performance information for the Fund in the chart and table assumes reinvestment of the dividends and distributions. As with all such investments, past performance (before and after taxes) is not an indication of future results. The table includes all applicable fees. If BlackRock and its affiliates had not waived or reimbursed certain Fund expenses during these periods, the Fund's returns would have been lower. Updated information on the Fund's performance, including its current net asset value, can be obtained by visiting www.blackrock.com or can be obtained by phone at (800) 882-0052.



During the periods shown in the bar chart, the highest return for a quarter was 4.86% (quarter ended March 31, 2019) and the lowest return for a quarter was -12.43% (quarter ended March 31, 2020). The year-to-date return as of September 30, 2022 was -10.26%.

For the periods ended 12/31/21
Average Annual Total Returns

	1 Year	5 Years	Since Inception (December 27, 2012)
BlackRock Total Factor Fund — Class K Shares			
Return Before Taxes	16.73%	2.82%	2.76%
Return After Taxes on Distributions	14.94%	1.66%	1.44%
Return After Taxes on Distributions and Sale of Fund Shares	9.90%	1.68%	1.52%
MSCI World Index Hedged USD Net (Reflects no deduction for fees, expenses or taxes)	24.38%	15.23%	13.81%
Bloomberg U.S. Aggregate Bond Index (Reflects no deduction for fees, expenses or taxes)	-1.54%	3.57%	2.74%
MSCI World Index Hedged USD Net (60%)/Bloomberg U.S. Aggregate Bond Index (40%) (Reflects no deduction for fees, expenses or taxes)	13.45%	10.70%	9.47%
ICE BofA 3-Month U.S. Treasury Bill Index ¹ (Reflects no deduction for fees, expenses or taxes)	0.05%	1.14%	0.69%

¹ On March 1, 2021, the Fund began to track the 4pm pricing variant of the ICE BofA 1-3 Year U.S. Treasury Bill Index (the "Index"). Historical index data prior to March 1, 2021 is for the 3pm pricing variant of the Index. Index data on and after March 1, 2021 is for the 4 pm pricing variant of the Index.

After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor's tax situation and may differ from those shown, and the after-tax returns shown are not relevant to investors who hold their shares through tax-deferred arrangements, such as 401(k) plans or individual retirement accounts.

Investment Manager

The Fund's investment manager is BlackRock Advisors, LLC (previously defined as "BlackRock"). The Fund's sub-adviser is BlackRock International Limited (the "Sub-Adviser"). Where applicable, "BlackRock" refers also to the Sub-Adviser.

Portfolio Managers

Name	Portfolio Manager of the Fund Since	Title
Philip Hodges, PhD	2012	Managing Director of BlackRock, Inc.
He Ren	2020	Director of BlackRock, Inc.

Purchase and Sale of Fund Shares

Class K Shares of the Fund are available only to (i) certain employee benefit plans, such as health savings accounts, and certain employer-sponsored retirement plans (not including SEP IRAs, SIMPLE IRAs and SARSEPs) (collectively, "Employer-Sponsored Retirement Plans"), (ii) collective trust funds, investment companies and other pooled investment vehicles, each of which may purchase shares of the Fund through a Financial Intermediary that has entered into an agreement with the Fund's distributor to purchase such shares, (iii) "Institutional Investors," which include, but are not limited to, endowments, foundations, family offices, banks and bank trusts, local, city, and state governmental institutions, corporations and insurance company separate accounts, each of which may purchase shares of the Fund through a Financial Intermediary that has entered into an agreement with the Fund's distributor to purchase such shares, (iv) clients of private banks that purchase shares of the Fund through a Financial Intermediary that has entered into an agreement with the Fund's distributor to sell such shares; (v) fee-based advisory platforms of a Financial Intermediary that (a) has specifically acknowledged in a written agreement with the Fund's distributor and/or its affiliate(s) that the Financial Intermediary shall offer such shares to fee-based advisory clients through an omnibus account held at the Fund or (b) transacts in the Fund's shares through another intermediary that has executed such an agreement and (vi) any other investors who met the eligibility criteria for BlackRock Shares or Class K Shares prior to August 15, 2016 and have continually held Class K Shares of the Fund in the same account since August 15, 2016.

You may purchase or redeem shares of the Fund each day the New York Stock Exchange is open. Purchase orders may also be placed by calling (800) 537-4942, by mail (c/o BlackRock, P.O. Box 9819, Providence, Rhode Island 02940-8019), or online at www.blackrock.com. Institutional Investors are subject to a \$5 million minimum initial investment requirement. Other investors, including Employer-Sponsored Retirement Plans, have no minimum initial investment requirement. There is no minimum investment amount for additional purchases.

Tax Information

Different income tax rules apply depending on whether you are invested through a qualified tax-exempt plan described in section 401(a) of the Internal Revenue Code. If you are invested through such a plan (and Fund shares are not "debt-financed property" to the plan), then the dividends paid by the Fund and the gain realized from a redemption or exchange of Fund shares will generally not be subject to U.S. federal income taxes until you withdraw or receive distributions from the plan. If you are not invested through such a plan, then the Fund's dividends and gain from a redemption or exchange may be subject to U.S. federal income taxes and may be taxed as ordinary income or capital gains, unless you are a tax-exempt investor.

Payments to Broker/Dealers and Other Financial Intermediaries

If you purchase shares of the Fund through a Financial Intermediary, the Fund and BlackRock Investments, LLC, the Fund's distributor, or its affiliates may pay the Financial Intermediary for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the Financial Intermediary and your individual financial professional to recommend the Fund over another investment.

Class K Shares are only available through a Financial Intermediary if the Financial Intermediary will not receive from Fund assets, or the Fund's distributor's or an affiliate's resources, any commission payments, shareholder servicing fees (including sub-transfer agent and networking fees), or distribution fees (including Rule 12b-1 fees) with respect to assets invested in Class K Shares.

Ask your individual financial professional or visit your Financial Intermediary's website for more information.

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