

Add or change bank account information



Return by mail:

Putnam Investments
P. O. Box 219697
Kansas City, MO 64121-9697

Return by express delivery:

Putnam Investments
430 W 7th Street Suite 219697
Kansas City, MO 64105-1407

For more information:

Putnam Investments
1-800-225-1581
www.putnam.com



Use this form to authorize telephone purchase or redemption instructions via electronic funds transfer between Putnam and your bank account. You may also use this form to update your bank information for any existing account options. If you wish to establish a systematic purchase or redemption program, or to change your dividend and/or capital gain distribution option(s) from reinvest to "cash", you must complete the appropriate form. Please contact Putnam to request the appropriate form(s), verify additional requirements, or if the registered account owner is unable to act.

Please note that additional restrictions will apply in some scenarios:

- This form cannot be used by a power of attorney.
- UGMA/UTMA accounts can only be redeemed (1) via check or (2) to a bank account which is (a) solely in the name of the minor or (b) held in the same UGMA/UTMA registration as the Putnam account.
- Guardian or Conservator accounts are only eligible for telephone redemption privileges by check.
- Coverdell ESA accounts can only be distributed (1) via check or (2) to a bank account which is (a) solely in the name of the beneficiary or (b) in the name of an eligible educational institution for the benefit of the Putnam beneficiary.
- Putnam as Trustee plans; 401(k), 403(b), money purchase pension, and profit-sharing plans are not eligible to redeem by telephone or initiate ACH purchases. This form can be used to update the destination of an existing systematic distribution program to a bank account.
- Associations, charities, foundations, and hospitals are not eligible to redeem by telephone.

Note: This form should not be used to update company bank information for payroll contributions.

Section 1 Account owner information

Name of owner/custodian/trustee/entity

Social Security/Tax ID number (required)

Date of birth (mm/dd/yyyy; required)

Name of joint owner/minor/co-trustee/authorized party

Social Security number (required)

Date of birth (mm/dd/yyyy; required)

Contact phone number

E-mail address

Note: Providing an e-mail address and/or phone number above will replace the current contact information on file with Putnam (if applicable). No changes will be made for fields that are left blank. If you are enrolled in electronic delivery, all notifications will be sent to the e-mail address listed above.

Section 2 Putnam account(s) to update

Putnam will update all funds within the base accounts provided below:

Account number

Account number

Account number

Account number

Account number

Account number

Section 3 Existing Bank Options to Update

Indicate the specific option(s) you wish to add/update (all other options will remain unchanged). If you establish the option for telephone redemptions to a bank by ACH or wire, you will automatically receive the option to request telephone redemptions via check. Any redemption options will require a Signature Validation Stamp (SVP) for each Putnam account owner's signature in Section 5. Any purchase options will require the signatures of all additional bank account owners (anyone not listed on the Putnam account registration) in Section 6 to authorize the use of the bank account.

Redemption options (**Signature Validation Program stamp required in Section 5**):

- Telephone redemption via ACH/check
- Telephone redemption via wire/check
- Telephone redemption via check
- Systematic redemption via ACH
- Dividend/Capital Gain distribution via ACH

Purchase (investment) options (**additional bank owner authorization required in Section 6**):

- Telephone purchase via ACH
- Systematic purchase via ACH

Section 4 Bank account information

Please provide your updated bank information below. A preprinted or web-generated voided check/deposit slip or a signed letter from the bank on bank letterhead must be attached. Each of these documents must include: bank name, name(s) as registered on the bank account, routing number and account number. If the authorized signer(s) of the bank account are not named on the voided check/deposit slip, then a signed letter from the bank on bank letterhead is required to confirm all authorized signers. Brokerage checks and investment company checks cannot be used for bank instructions as these checks do not contain the correct wiring information. Contact your investment company to obtain proper wire instructions on signed letterhead. Starter checks will not be accepted. **Please do not staple.**

Indicate the type of bank account you would like to use: Checking account Savings account

Note: Putnam does not assess a fee for electronic transactions; however some banks/credit unions may assess a fee upon receipt. Please check with your financial institution for information regarding eligibility, fees, and applicable routing number(s) for Federal bank wire and/or ACH transactions.

tape your document here

Name _____
 Address _____
 City, State, ZIP _____

DATE _____

PAY TO THE
 ORDER OF _____ \$ _____
 _____ DOLLARS

memo: _____

|: 123456789 |: 000123456789 |: 101

ABA routing number of financial institution

Bank account number

Name(s) of all bank account owner(s)

Some banks may utilize a different routing number for wire transactions. If you are opting into both ACH and wire transactions in Section 3 and your bank utilizes a different routing number for wires, please provide the wire capable routing number below:

ABA wire routing number of financial institution (if different from ACH routing number)

Section 5 Putnam account owner authorization

I/we authorize my/our bank/credit union to accept credit entries initiated by Putnam Investor Services, Inc., to my/our account and to credit, as requested, the same to my account, without responsibility for correctness thereof or for the existence of any further authorization relating thereto. I/we also authorize my/our bank/credit union to accept debit entries initiated by Putnam Investor Services, Inc., to reverse or otherwise correct any erroneous credit to my/our bank/credit union account. I/we agree to indemnify and hold harmless my/our bank/credit union, the Putnam funds, and Putnam Investor Services, Inc. for any loss, liability, or expense incurred from acting on these instructions. I/we also agree to waive any right under the NACHA Rules to rescind any instruction for ACH transactions that have already occurred at the time of the attempt to rescind. This waiver of the rescission right applies to both ACH investments in and ACH redemptions from the Putnam funds. This authorization may be terminated by me/us at any time by written notification to Putnam Investor Services, Inc., with reasonable time given to implement my/our request. Putnam Investor Services, Inc. may amend or terminate this agreement at any time. You will be notified before any such changes go into effect. For bank account information, Putnam does not assess a fee for federal bank wire and/or ACH transactions on your account(s). Some banks/credit unions may not offer ACH transactions or may charge a fee to conduct such transactions. Please check with your financial institution for information regarding eligibility, fees and applicable routing number(s) for federal bank wire and/or ACH transactions.

No redemptions may be authorized by telephone if an address change has occurred within 15 days of request. Putnam will not be liable for unauthorized transactions if it employs reasonable procedures to confirm that instructions received by telephone are genuine. I agree to indemnify and hold harmless the Putnam funds, Putnam Investment Options, Putnam Investor Services, Inc., the State of Nevada, the Nevada College Savings Trust Fund and the Board of Trustees of the College Savings Plans of Nevada that may be involved in transactions authorized by telephone against any claim or loss in connection with any telephone transaction effected on my account. I authorize the bank/credit union to accept credit entries initiated by Putnam Investor Services, Inc. to the account designated in Section 4, and to credit the same account, without responsibility for correctness thereof or for the existence of any further authorization relating thereto. I agree to indemnify and hold harmless my bank/credit union, the Putnam funds, and Putnam Investor Services, Inc. for any loss, liability or expense incurred from acting on these instructions. I also agree to waive any right under the NACHA rules to rescind any instruction for ACH transactions which have already occurred at the time of the attempt to rescind. This waiver of the rescission right applies to ACH liquidations from the Putnam funds. This authorization may be terminated by me at any time by written notification to Putnam Investor Services, Inc. with reasonable time given to implement my request.

My/our signature(s) below also indicates that if I/we am/are designating an investment in a fund that I/we do not already own I/we have read the fund prospectus(es) and agree to the terms therein.

When updating any redemption/distribution instructions, **a Signature Validation Program (SVP) stamp is required for each signature.** An SVP stamp is a stamped assurance for non-financial transactions by a financial institution that indicates a signature is valid.

Signature of Owner, Trustee, or Authorized Signer

Print name of signature above

Date (mm/dd/yyyy)

Signature of Joint Owner, Co-Trustee, or Authorized Signer

Print name of signature above

Date (mm/dd/yyyy)

PLACE SVP STAMP BELOW



PLACE SVP STAMP BELOW



Section 6 Bank account owner authorization

I/we authorize my/our bank/credit union to accept credit entries initiated by Putnam Investor Services, Inc., to my/our account and to credit, as requested, the same to my account, without responsibility for correctness thereof or for the existence of any further authorization relating thereto. I/we also authorize my/our bank/credit union to accept debit entries initiated by Putnam Investor Services, Inc., to reverse or otherwise correct any erroneous credit to my/our bank/credit union account. I/we agree to indemnify and hold harmless my/our bank/credit union, the Putnam funds, and Putnam Investor Services, Inc. for any loss, liability, or expense incurred from acting on these instructions. I/we also agree to waive any right under the NACHA Rules to rescind any instruction for ACH transactions that have already occurred at the time of the attempt to rescind. This waiver of the rescission right applies to both ACH investments in and ACH redemptions from the Putnam funds. This authorization may be terminated by me/us at any time by written notification to Putnam Investor Services, Inc., with reasonable time given to implement my/our request. Putnam Investor Services, Inc. may amend or terminate this agreement at any time. You will be notified before any such changes go into effect. For bank account information, Putnam does not assess a fee for federal bank wire and/or ACH transactions on your account(s). Some banks/credit unions may not offer ACH transactions or may charge a fee to conduct such transactions. Please check with your financial institution for information regarding eligibility, fees and applicable routing number(s) for federal bank wire and/or ACH transactions.

No redemptions may be authorized by telephone if an address change has occurred within 15 days of request. Putnam will not be liable for unauthorized transactions if it employs reasonable procedures to confirm that instructions received by telephone are genuine. I agree to indemnify and hold harmless the Putnam funds, Putnam Investment Options, Putnam Investor Services, Inc., the State of Nevada, the Nevada College Savings Trust Fund and the Board of Trustees of the College Savings Plans of Nevada that may be involved in transactions authorized by telephone against any claim or loss in connection with any telephone transaction effected on my account. I authorize the bank/credit union to accept credit entries initiated by Putnam Investor Services, Inc. to the account designated in Section 4, and to credit the same account, without responsibility for correctness thereof or for the existence of any further authorization relating thereto. I agree to indemnify and hold harmless my bank/credit union, the Putnam funds, and Putnam Investor Services, Inc. for any loss, liability or expense incurred from acting on these instructions. I also agree to waive any right under the NACHA rules to rescind any instruction for ACH transactions which have already occurred at the time of the attempt to rescind. This waiver of the rescission right applies to ACH liquidations from the Putnam funds. This authorization may be terminated by me at any time by written notification to Putnam Investor Services, Inc. with reasonable time given to implement my request.

Signature of bank account owner(s)

All individuals named on the bank account registration in Section 4 who did not already sign as a Putnam account owner in Section 5 must sign below to authorize the use of the bank account for purchase (investment) options. By signing below the bank account owner(s) authorize purchases to be made from their bank account.

Signature of bank account owner (if different from Putnam account owner)

Date (mm/dd/yyyy)

Print name of signature above

Signature of bank account owner (if different from Putnam account owner)

Date (mm/dd/yyyy)

Print name of signature above