Blokbay crypto payments for PrestaShop

Installation and user guide · module `blokbay` · version 1.2.0 · PrestaShop 1.7.6 to 9.x

1. What the module does

The module adds the payment option "Pay with crypto". The customer confirms the order, is redirected to a Blokbay payment page with your shop name, pays with USDT, USDC, ETH, BTC or SOL, from their own wallet or an exchange, and returns to the order confirmation page. The order moves to "Payment accepted" when a signed confirmation (webhook) arrives from Blokbay.

Blokbay never holds your money. When the buyer pays from a connected wallet, each payment is split in the same transaction and your share goes straight to your wallet. When the buyer pays by address and QR code from any wallet or exchange, they make two exact transfers, one of them to your address (Bitcoin always works this way); on Base, orders from 10 USD can also be paid with one transfer to a one-time payment address, a public contract with no owner that forwards your share to your wallet. There is no balance on our side, so there are no funds to be held, frozen or released later. Blokbay withholds 1% of each payment; there is no monthly fee.

Coins and networks: USDT and USDC on Ethereum, BNB Chain, Arbitrum, Polygon and Solana; USDC on Base; ETH on Ethereum, Base and Arbitrum; SOL on Solana; Bitcoin for orders from 100 USD. The customer chooses coin and network on the payment page (and can change them before paying), then pays from a connected wallet, in the browser or on the phone, or by address and QR code from any wallet or exchange. A confirmation page opens as soon as the payment arrives.

2. Requirements

- PrestaShop 1.7.6 to 9.x, PHP version supported by your PrestaShop.
- Cart currency: USD, EUR, GBP, CHF, JPY, CAD, AUD, SGD, HKD or AED; the customer pays in crypto at the current exchange rate, locked when the customer chooses the coin. The option is hidden for other currencies and the module page shows a notice.
- A free Blokbay account with the wallet addresses for the coins you accept: https://blokbay.com
- Your shop must be reachable over https so that Blokbay can deliver webhooks.

3. Installation

1. Back office > Modules > Module Manager > Upload a module, then choose the zip file (the folder inside is `blokbay`).
2. Press Configure.

On installation the module creates the order state "Awaiting crypto payment (Blokbay)" and the table `blokbay_payment`, which links each Blokbay payment to its cart and order.

4. Blokbay account and keys

1. Open https://blokbay.com and sign in with your email.
2. In Settings add your wallet addresses (an EVM address for USDT, USDC and ETH; a Solana address if you accept USDT, USDC and SOL on Solana; a Bitcoin address if you accept BTC).
3. Open "Payments on your site" (https://blokbay.com/dashboard/gateway).
4. Press "Create a new key": copy the secret key `sk_live_...`. It is shown only once.
5. Copy the public key `pk_live_...` and the webhook signing secret `whsec_...`.

5. Configuration

1. In the module configuration paste the secret key, the public key and the webhook signing secret, then Save. Leave the secret fields empty later to keep the saved values.
2. Leave "API address" as `https://blokbay.com`.
3. Copy the webhook URL shown at the top of the page (`https://your-shop/module/blokbay/webhook`, or the `index.php?fc=module...` form without friendly URLs).
4. In the Blokbay dashboard set that webhook URL and press "Send a test event". The answer must be `pong`.

6. How orders flow

- The customer chooses "Pay with crypto": the order is created with the state "Awaiting crypto payment (Blokbay)" and the customer is redirected to the Blokbay payment page.
- Payment confirmed on the blockchain: Blokbay sends `payment.paid`. The module checks the signature (HMAC SHA-256, 5 minute tolerance, constant-time comparison), the public key and the amount, then sets "Payment accepted" and saves the transaction hash on the order payment.
- Webhook late: on the order confirmation page the module asks the Blokbay API for the payment status.
- Payment not made in time: `payment.expired` sets "Canceled" if the order is still awaiting payment.
- If the payment cannot be created, the order goes to "Payment error" and the customer gets the cart back with a message.

7. Data and security

- Payment happens by redirect. No card data and no wallet keys are handled by PrestaShop.
- Sent to Blokbay when a payment is created: order total in the cart currency, currency, order reference, a short description, the customer email and the confirmation and cancel URLs.
- Stored in PrestaShop: the Blokbay payment id, cart, order and amount in `blokbay_payment`, and the transaction hash on the order payment.

8. Testing

There is no test mode with fake money. Make a small real order (from 1 USD with USDC on Polygon or Base the network fee is a few cents).

9. Troubleshooting

- The option does not appear: check that the module is enabled, the secret key is saved and the cart currency is one of USD, EUR, GBP, CHF, JPY, CAD, AUD, SGD, HKD or AED.
- Orders stay "Awaiting crypto payment": check the webhook URL in the Blokbay dashboard and use "Send a test event".
- "bad signature" in the Blokbay event list: copy the current signing secret into the module again.

10. Uninstall

Module Manager > Uninstall removes the settings and the `blokbay_payment` table. Orders and their history are kept.