

BITUP Partner API

Seamless Wallet Integration Guide

1. Overview

BITUP Partner API enables seamless integration between partner systems and the BITUP betting platform. Partners can manage user accounts, process bets, and handle payouts through a secure callback-based architecture.

Base URL

```
https://bet.bitupgo.com/api/partner.php
```

Authentication

All requests require the `X-Partner-Key` header with your assigned secret key.

```
X-Partner-Key: your_callback_secret_key
```

Response Format

All responses are JSON with `success` boolean field.

2. Partner API Endpoints

2.1 Login (SSO)

POST `/api/partner.php?action=login`

Generate a single sign-on URL for a user. Auto-registers if user doesn't exist.

Request

Parameter	Type	Required	Description
user_id	string	Yes	Username
user_pw	string	Yes	Password
nickname	string	No	Display name (defaults to user_id)

Response

```
{
  "success": true,
  "login_url": "https://bet.bitupgo.com/auth/token_login.php?token=abc123...",
  "expires_in": 60
}
```

Token expires in 60 seconds. Redirect user to login_url for automatic authentication.

2.2 Balance

GET `/api/partner.php?action=balance&user_id=xxx`

Parameter	Type	Required	Description
user_id	string	Yes	Username

Response

```
{
  "success": true,
  "data": {
    "user_id": "username",
    "nickname": "display_name",
    "balance": 500000.00
  }
}
```

2.3 Result

GET `/api/partner.php?action=result&tx_id=xxx`

Get bet result by transaction ID.

Parameter	Type	Required	Description
tx_id	string	Yes	Transaction ID from debit callback

Response

```
{
  "success": true,
  "data": {
    "tx_id": "tx_xxx",
    "user_id": "username",
    "game_id": "202601270001",
    "bet_type": "UP",
    "amount": 10000.00,
    "approved_amount": 10000.00,
    "win_amount": 19500.00,
    "profit": 9500.00,
    "result": "win",
    "start_price": 100000.50,
    "end_price": 101000.50,
    "round_result": "UP",
    "status": "approved",
    "created_at": "2026-01-27 12:34:56",
    "settled_at": "2026-01-27 12:35:30"
  }
}
```

2.4 History

GET `/api/partner.php?action=history&user_id=xxx`

Parameter	Type	Required	Description
user_id	string	Yes	Username
limit	int	No	Records per page (default 20, max 100)
offset	int	No	Pagination offset (default 0)

Response

```
{
  "success": true,
  "data": [
    {
      "tx_id": "tx_xxx",
      "bet_type": "UP",
      "amount": 10000.00,
      "win_amount": 19500.00,
      "result": "win",
      "game_id": "202601270001",
      "created_at": "2026-01-27 12:34:56"
    }
  ]
}
```

2.5 Create Sub-Partner

POST /api/partner.php?action=create_partner

Parameter	Type	Required	Description
user_id	string	Yes	Username
user_pw	string	Yes	Password (min 4 chars)
nickname	string	No	Display name
commission_rate	float	No	Commission % (0 ~ your rate)
prefix	string	Yes	3-16 chars, uppercase alphanumeric + underscore

Response

```
{
  "success": true,
  "partner": {
    "user_id": 123,
    "username": "PREFIX_username",
    "partner_code": "PREFIX_ABC123",
    "commission_rate": 2.0
  }
}
```

Prefix must be unique. Username is auto-prepended with parent's prefix. Prefix cannot be changed after creation.

2.6 Commission History

GET `/api/partner.php?action=commission`

Parameter	Type	Required	Description
date_from	string	No	Start date Y-m-d (default: 7 days ago)
date_to	string	No	End date Y-m-d (default: today)
game_type	string	No	"30s" or "60s"

Response

```
{
  "success": true,
  "summary": {
    "total_count": 150,
    "total_commission": 50000.00,
    "total_bet_amount": 1000000.00
  },
  "data": [...]
}
```

3. Seamless Wallet Callbacks

When a partner enables seamless wallet mode, BITUP sends HTTP callbacks to the partner's configured URLs for all balance operations.

Callback Authentication

```
POST {your_callback_url}
Content-Type: application/json
X-Signature: HMAC-SHA256(request_body, callback_secret_key)
X-Partner-Id: {partner_id}
```

Verify X-Signature by computing HMAC-SHA256 of the raw request body using your callback_secret_key. Reject requests with mismatched signatures (HTTP 401).

Common Response Format

```
// Success
{ "success": true, "balance": 490000.00, "tx_id": "tx_xxx" }

// Failure
{ "success": false, "error": "Insufficient balance" }
```

3.1 Balance Inquiry

POST {callback_balance_url}

```
{
  "action": "balance",
  "user_id": "username",
  "timestamp": 1672531200
}
```

Expected Response:

```
{ "success": true, "balance": 500000.00 }
```

3.2 Debit (Bet Placement)

POST {callback_debit_url}

```
{
  "action": "debit",
  "user_id": "username",
  "game_id": "202601270001",
  "game_type": "30s",
  "amount": 10000.00,
  "tx_id": "tx_abc123",
  "timestamp": 1672531200
}
```

Expected Response:

```
{ "success": true, "balance": 490000.00, "tx_id": "tx_abc123" }
```

If debit fails (insufficient funds), the bet is automatically cancelled.

3.3 Credit (Payout)

POST {callback_credit_url}

```
{
  "action": "credit",
  "user_id": "username",
  "game_id": "202601270001",
  "game_type": "30s",
  "win_amount": 19500.00,
  "tx_id": "tx_abc123",
  "start_price": 100000.50,
  "end_price": 101000.50,
  "result": "UP",
  "timestamp": 1672531200
}
```

Expected Response:

```
{ "success": true, "balance": 509500.00 }
```

3.4 Cancel (Refund)

POST {callback_cancel_url}

```
{
  "action": "cancel",
  "user_id": "username",
  "game_id": "202601270001",
  "amount": 10000.00,
  "tx_id": "tx_abc123",
  "void_reason": "Round cancelled",
  "timestamp": 1672531200
}
```

Expected Response:

```
{ "success": true, "balance": 500000.00 }
```

4. Egg (R) System

Partners have an egg balance that acts as both a betting limit and GGR settlement ledger.

Event	Egg Change	Description
User places bet	-stake	Partner egg decreases
User wins	+payout	Partner egg increases (house covers)
User loses	No change	Stake already deducted = partner profit
Bet cancelled/void	+stake	Refunded to partner

If partner egg balance is insufficient, user bets are rejected with "Partner betting limit exceeded" error.

5. Error Codes

HTTP Code	Description
200	Success (check success field in body)
401	Invalid or missing X-Partner-Key
400	Missing required parameters or invalid action
500	Server error

6. Game Types

Type	Duration	Payout Rate	Description
30s	30 seconds	1.95x	BTC price UP/DOWN prediction
60s	60 seconds	1.95x	BTC price UP/DOWN prediction

7. Security Recommendations

- Store `callback_secret_key` securely. Never expose in client-side code.
- Always verify `X-Signature` on incoming callbacks.
- Implement idempotency using `tx_id` — same `tx_id` should not be processed twice.
- Use HTTPS for all callback URLs.
- Respond within 10 seconds to avoid timeouts.
- IP whitelist recommended for callback endpoints.