



# Bidder

## Overview

Blur Bidder is an automated tool designed for placing bids on the Blur NFT marketplace, equipped with various customizable settings for advanced bidding strategies.

## Setup & Run

Environment Setup: Adjust the `.env` file variables as per your preference.

Install Dependencies: Execute `yarn install` or `npm install`.

Build the Tool: Use `yarn build` or `npm run build`.

Start Bidding: Begin the bidding process with `yarn start` or `npm run start`.

Run Specific Actions: Use `yarn start action-name` or `npm run start action-name`.

## Available Actions

### run

- Usage: `yarn start` or `npm run start`
- Description: Starts the default bidding process.

### cancel

- Usage: `yarn start cancel` or `npm run start cancel`
- Description: Cancels all bids on Blur.

### collections

- Usage: `yarn start collections` or `npm run start collections`
- Description: Generates a CSV file of the top 300 collections based on 1-day volume.

### collection:configs

- Usage: `yarn start collection:configs` or `npm run start collection:generate`
- Description: Creates a collections config file for specific settings per collection.

# Bidding Mechanics

BLUR

CollectionsPortfolioActivityAirdrop

BoredApeYachtClub

Floor Price

27.793

Top Bid

26.88

1D Change

-1.17%

7D Change

-6.64%

1M Volume

-

1D Volume

864.91

7D

125

Search Collections, wallets, or ENS

Status

Only Buy Now

Show All

Rarity

Price

Traits

Background

Clothes

Earring

Eyes

Fur

Hat

Mouth

Items

Bids

Loans

Holders

Total Bid Value

2899.75

All Traits

Price

Pool Levels

Size

Pool Size

Total

Bidders

25.88

Pool 1

115

3051.20

8

26.71

Pool 2

3

80.13

2

26.70

Pool 3

1

26.70

004153

26.46

Pool 4

1

26.46

050403

25.45

Pool 5

1

25.45

5F1E92

25.20

4

100.80

04E266

23.68

1

23.68

5d5335

23.67

1

23.67

2244de

23.65

3

70.38

2

22.00

1

22.00

672CE3

20.30

2

40.60

2

18.88

1

18.88

305f4E

14.00

3

42.00

3

## Pool Bidding Settings

- `BID_TO_POOL_1`: Determines if bids should be sent to pool 1 (1 = yes, 0 = no).
- `MAX_POOL_TO_BID`: Maximum pool number to consider for bidding.
- `POOL_SIZE_LIMIT_BID`: Minimum total size of all executable pools above the target pool required to place a bid.
- `BID_TO_SAME_POOL`: Allows bidding to the same pool (1 = yes).
- `SAME_POOL_SIZE_LIMIT_BID`: When `BID_TO_SAME_POOL=1`, this is the combined size limit including the target pool.

## Bid Size Settings

- `USE_MAX_QUANTITY`: If set to 1, bid size is maximized based on wallet balance.
- `MAX_QUANTITY`: Caps the bid size when `USE_MAX_QUANTITY` is enabled.

## Bid Cancellation Settings

- `POOL_SIZE_LIMIT_CANCEL`: Minimum pool size below which bids are canceled.
- `SAME_POOL_SIZE_LIMIT_CANCEL`: Similar to `POOL_SIZE_LIMIT_BID` but for canceling bids.

## Bidding Examples

- Example 1: `BID_TO_POOL_1=1`, `MAX_POOL_TO_BID=3`. Bids will be sent to pools 1 to 3.
- Example 2: `POOL_SIZE_LIMIT_BID=500`. Bids are placed if the sum of executable pools above the target is  $\geq 500$ .
- Example 3: `BID_TO_SAME_POOL=1`, `SAME_POOL_SIZE_LIMIT_BID=600`. Bids are placed if the sum of the target pool and above pools is  $\geq 600$ .
- Example 4: `USE_MAX_QUANTITY=0`. Bid size will always be 1.
- Example 5: `USE_MAX_QUANTITY=1`, `MAX_QUANTITY=10`. Bid size is maximized based on wallet balance but capped at 10.

## Bid Expiry

- Bids automatically expire after 30 minutes.

## Floor Protection

- `FLOOR_CHECK`: Enables (1) or disables (0) floor price checking.
- `FLOOR_LIMIT`: Sets the maximum bid as a percentage increase over the current floor price.

## Floor Protection Example

- `FLOOR_CHECK=1` and `FLOOR_LIMIT=10` enable floor protection.
- Current floor price = 0.5 ETH
- Pool 1 Bid @ 0.60 ETH: Skipped, as  $0.60 > 0.5 * 1.1$  (10% above floor)
- Pool 2 Bid @ 0.56 ETH: Skipped, as  $0.56 > 0.5 * 1.1$
- Pool 3 Bid @ 0.55 ETH: Accepted, as  $0.55 \leq 0.5 * 1.1$