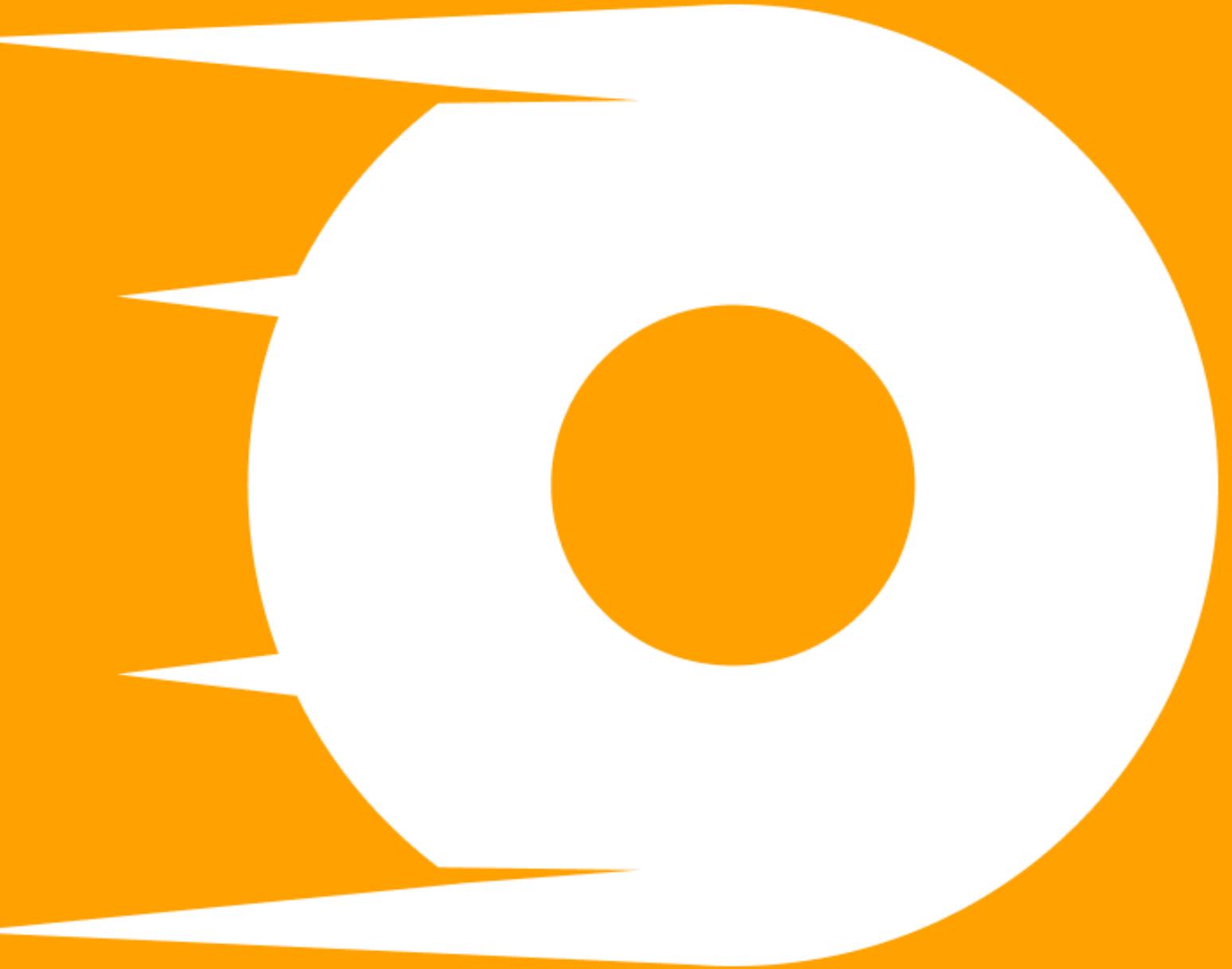


RLB TOKEN WHITEPAPER

26 NOVEMBER 2021





INTRODUCTION

Launched in February 2020 by a team of entrepreneurs with a shared passion for online gaming, **Rollbit** has rapidly grown into one of the leading crypto casinos with over 1 million registered users, an estimated \$20 million wagered per day and more than \$3 billion wagered overall.

From new and innovative casino offerings like Bonus Battles, to cryptocurrency derivatives trading, to Non-Fungible Token (NFT) betting games, Rollbit has become widely recognised as the leading innovator in the industry.

We have truly revolutionised what it means to be a crypto casino, with our track record of success in delivering innovative features and generating new sources of revenue, including:

- **Bonus Battles:** Exclusive to Rollbit, Bonus Battles add a social component to popular casino games by allowing users to purchase a bonus buy and compete with other users for the chance to win the pooled balance of the bonus buys,
- **Challenges:** another innovation pioneered by Rollbit, Challenges can be hosted by anyone, adding prizes for users who win casino games with high enough multipliers and bet sizes. These additional incentives increase the excitement of playing our already popular casino games,
- **Provably Fair In-house Games:** X-Roulette, Rollercoaster and X-Crash, with more games in development,
- **Leveraged Crypto Trading:** Rollbit users can trade 13 of the top cryptocurrencies with no bid-offer spread and up to x1000 leverage. Our platform sees an average of ~\$100 million in volume traded per day,



- **Crypto Portfolio:** Buy, HODL or sell the top 115 cryptocurrencies by market capitalisation all in one place,
- **Rollboxes:** The first provably fair betting game launched by a casino with high-value NFTs as prizes,
- **Rollbot NFTs:** Our [Rollbot NFT sale](#) was an outstanding success, with the pre-sale selling out in less than 25 seconds and the public sale selling out in less than one hour. With the release of Rollbots, Rollbit became the first ever casino to offer a VIP membership through a utility NFT providing privileges for holders,
- **NFT Marketplace:** October 2021 saw the launch of [Rollbit's gas-less NFT marketplace](#), which is lowering the barriers to NFT adoption and reducing the costs of trading these tokens. One privilege Rollbot holders enjoy is profit-sharing from our NFT marketplace, paid out weekly!

After venturing into many new and exciting areas not explored by other casinos, such as crypto investing, cryptocurrency derivatives trading and NFTs, we are about to go even further by sharing profits with our users and Rollbot holders.



THE ROLLBIT TOKEN (RLB)

The **Rollbit token (RLB)** will be launched as an integral part of the upcoming Rollbit lottery. There will be no ICO for this token. Instead, Rollbit will airdrop RLB for free. Airdrops have been used throughout the history of cryptocurrencies to bootstrap growth, incentivise community development, and reward early adopters.

The RLB token will live on the Solana chain, since it is more cost effective because of the current state of the Ethereum gas market. The major benefit of choosing Solana is that simple value transfers are very cheap and a lot faster compared to other Layer 1 blockchains (see the table below).

	Bitcoin	Ethereum	Solana
Block time	~10 minutes	~15 seconds	~0.4 seconds
On-chain transactions per second (tps)	5-7 tps	15-17 tps	65,000 tps
Consensus Mechanism	Proof of Work	Proof of Work (undergoing shift to Proof of Stake)	Proof of History
Average transaction cost [\$]	\$2.72	\$41.46	\$0.00025

Check out Rollbit's [introduction to Solana](#) if you aren't familiar with how their blockchain delivers a high performance compared to older systems



like Bitcoin and Ethereum. Solana has enjoyed a breakout year in 2021 with a growing ecosystem and greater popularity.

Over 1,500 tokens have been launched on this Layer 1 blockchain. With Rollbit joining the ecosystem, RLB will be the first token launched by a cryptocurrency casino on the Solana platform.

UTILITY

The **RLB lottery** will drive the demand for the token, acting as entry tickets that give holders the chance to win a share of the casino's profits. RLB tokens must be staked to enter the lottery.

The prizes will come from our profit sharing pool, where 20% of all the casino's profits on a daily basis will accumulate over the course of each round.

Approximately 50 million RLB have already been distributed to existing users of the Rollbit platform. Most of the supply will be airdropped to Rollbot NFT holders via their Rollbit account, with more details on the distribution in the next section.

By having a proven product and with Rollbit already running at a profit before launching the token, RLB will provide utility from day one by being an integral part of the lottery, with prizes coming from a share of our casino's profits.

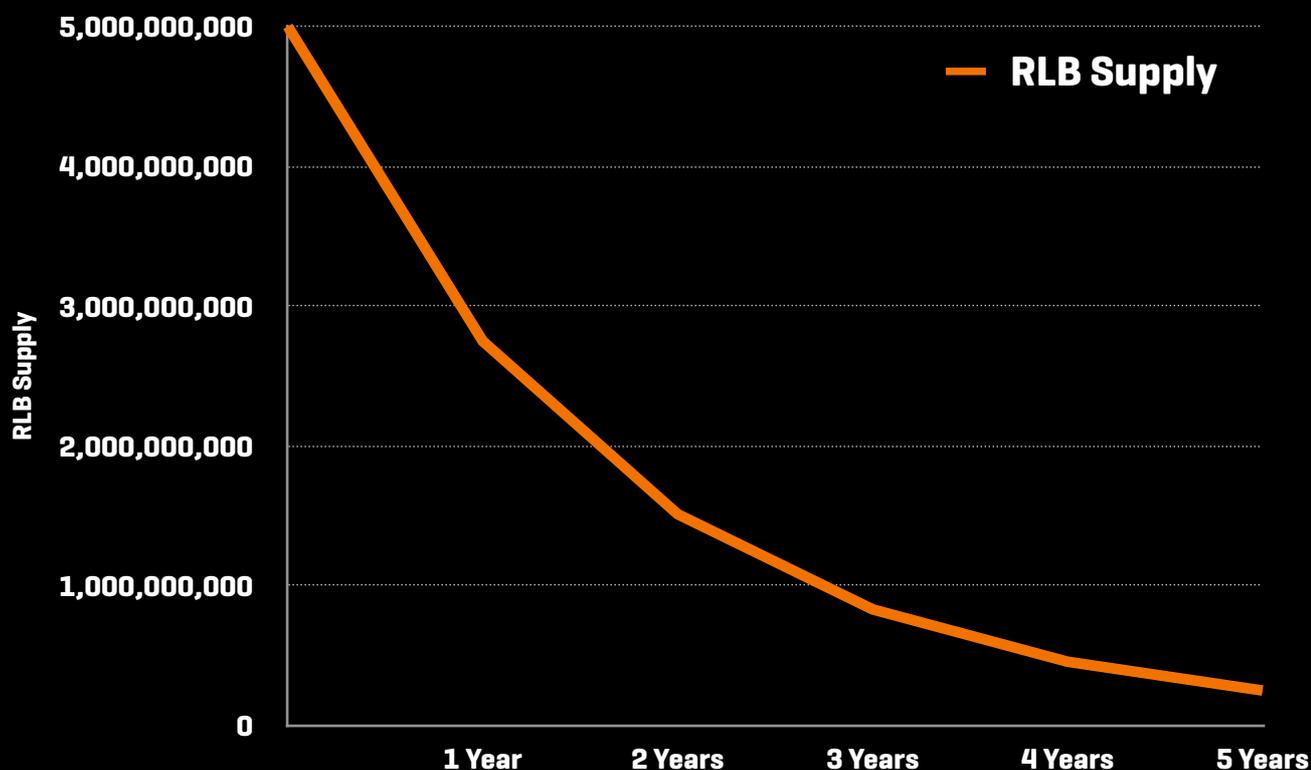
The supply of RLB is capped at 5 billion coins. To access the lottery, RLB must be staked in each round where half of the 0.20% staking fee will be burned (i.e., permanently removed from the supply).

Since each round will see RLB permanently removed from the supply, the number of tokens in circulation will gradually fall over time, helping to support value growth. The other half of the staking fees will accrue to staked Rollbots.



The deflationary nature of RLB is illustrated by the chart below for the scenario where all tokens are staked.

Deflationary Supply Schedule for RLB

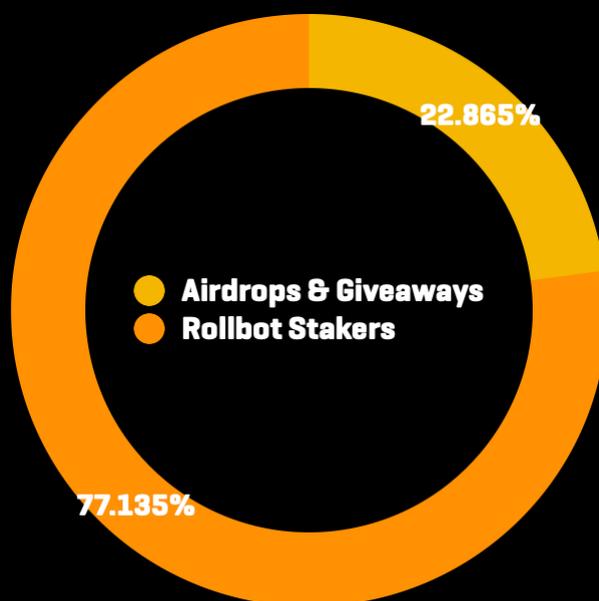


When all RLB tokens are staked, there'll be a burn rate of 45% of the total supply per year. As more RLB is staked, this leads to a greater reduction in supply as a higher number of tokens are burned to enter the lottery. And as demand increases over time, this puts upward pressure on the price of RLB.



DISTRIBUTION

The supply distribution of RLB is shown below:



- **1,143,250,000 RLB [22.865% of the supply] will be distributed via several airdrops to users' Rollbit accounts and giveaways.**
- **3,856,750,000 RLB [77.135% of the supply] will be allocated to Rollbot stakers in line with the rarity of the eye trait.**

With the launch of Rollbit's lottery, new users and X-Crash wagers will no longer earn RLB. Instead, RLB can be earned from wagering and will be linked to rewards like Rollback, Rakeback, and Cashback. Each NFT deposit will also yield 100 RLB tokens.

Since the token is based on Solana, there'll be a very low cost of distribution. Also, transacting and staking RLB tokens can be done at high speed and at a very low cost, resulting in an excellent user experience.

The distribution of RLB to Rollbot holders will take place throughout December in the form of an advent calendar. Every day up to December 31st, RLB will be allocated amongst all staked Rollbots, with each day corresponding to a particular eye trait.



There are 31 different eye traits across all 10,000 Rollbots. For each day in December 2021, we will be airdropping RLB to Rollbit accounts with staked Rollbots that possess a certain eye trait. There will be a button to claim RLB, similar to how the NFT marketplace staking works.

Once you claim your RLB tokens, your staked Rollbot(s) will remain locked until January 1st, 2022 (meaning you cannot sell, link to your profile or create Rollboxes with staked Rollbots during the December airdrop). Any Rollbots that are staked from January 1st, 2022 will begin receiving RLB burned in the lottery (in the same way as [NFT marketplace staking](#) works).

Date	Eye Trait	RLB Amount
1 ST DEC	Surprised Green Eyes	100k
2 ND DEC	Red Angry Eyes	130k
3 RD DEC	Bored Red	160k
4 TH DEC	Crossed Eyes	190k
5 TH DEC	Staring Eyes	220k
6 TH DEC	Red Sadness	250k
7 TH DEC	Green Pupil	280k
8 TH DEC	Stock	310k
9 TH DEC	Green Crossed Eyes	340k
10 TH DEC	Yellow Eyes	370k
11 TH DEC	Telescopes	400k
12 TH DEC	Star Glasses	430k
13 TH DEC	Pair of Spades	460k
14 TH DEC	Apple Glasses	490k
15 TH DEC	Poker Chips	520k
16 TH DEC	Red Spades	550k
17 TH DEC	Cash Glasses	580k
18 TH DEC	Hypnotic Illusion	610k
19 TH DEC	SWAG	640k
20 TH DEC	VR Goggles	670k
21 ST DEC	Heart Glasses	700k
22 ND DEC	Brain	730k
23 RD DEC	Rollbit Gold	760k
24 TH DEC	Hypnotic Eyes	790k
25 TH DEC	Blue Gemstones	820k
26 TH DEC	Blue Dice	850k
27 TH DEC	3D Glasses	880k
28 TH DEC	Green Bitcoins	910k
29 TH DEC	Lucky 7	940k
30 TH DEC	Gold Bitcoins	970k
31 ST DEC	Rollbit Glasses	1,000k

The image above shows how many RLB tokens you'll receive for each staked Rollbot. For example, staked Rollbots with the rarest eye trait (Rollbit Glasses) will be airdropped 1 million RLB tokens on December 31st. While staked Rollbots with the most common eye trait (Surprised Green Eyes) will be airdropped 100,000 RLB on December 1st. A total of 3,856,750,000 RLB will be distributed to Rollbot holders over the course of December 2021.



PROVABLY FAIR LOTTERY

Rollbot holders and existing users that have RLB in their account can use these tokens as entry tickets to our lotteries, which will run continuously with an expected duration of 15-20 hours (depending on the Bitcoin block times). Each round's prize pool will come from a portion of Rollbit's casino profits.

HOW TO ENTER

A minimum of 10 RLB tokens must be staked to enter the lottery. The more RLB that is staked, the higher your chances of winning! A small staking fee of 0.20% will be applied for each round. We'll likely start to introduce some anti-bot protections which will require some participation in games, trading or other activities on Rollbit.

Half of the staking fees that are paid in RLB to enter the lottery will be burned, leading to a deflationary supply that will support the value of the remaining tokens. Since the RLB supply is burned at a rate of 0.10% per entry and assuming all RLB will always be staked, there'll only be ~55% left of the total supply in circulation after a year because of the frequency of the lotteries. RLB tokens will be burned (which can be verified on the Solana blockchain) and we'll be releasing burn reports on a monthly basis.

Rollbot stakers will earn the other half of the staking fees generated by the lottery, proportional to their corresponding Rollbot RLB stake. That means that staked Rollbots with rarer eyes will receive a greater share of the RLB fee revenue. Half of the RLB tokens from staking fees that are earned by staked Rollbots will be distributed after the end of each lottery round.

The start of each lottery round and when the winners are announced both depend on the Bitcoin blockchain, where the lottery starts and winners are



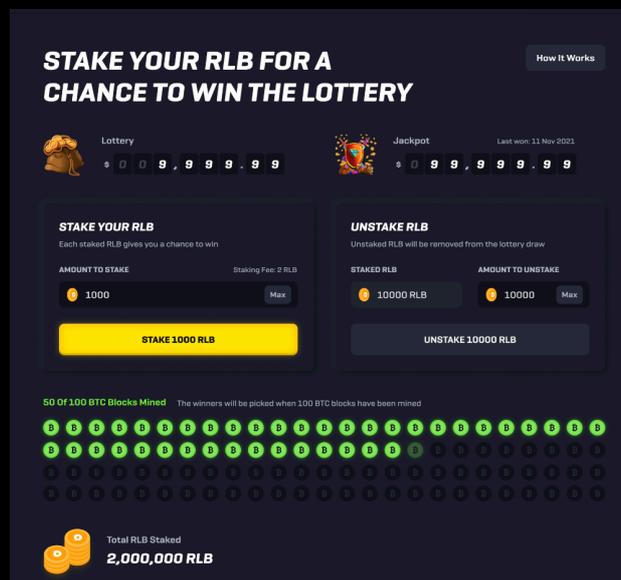
announced every 100 blocks. Recently, Bitcoin's block time has averaged approximately 10 minutes, so the duration of each lottery is expected to be between 15-20 hours (but cannot be predicted with precision as there is often variation in block times).

HOW THE LOTTERY WORKS

While from a user perspective, there will be a smooth experience and seem like one contest, there'll actually be two draws: one for the lottery and one for the jackpot. Both will run simultaneously. Note that staking RLB puts you in for a chance of winning both, however, there are some key differences between the lottery and the jackpot:

- Lottery winners will always be paid out every 100 Bitcoin blocks, with 100 prizes paid out regularly and the chance of winning depending on the amount of RLB a user stakes.
- There's a 0.1% chance that the jackpot will be won every 100 Bitcoin blocks. If the jackpot is not won, it is rolled over to the next round and the prize pool increases until it is won. The chance of hitting the jackpot will be increased to 1% in December (which will be subject to change in the future).

RLB can be staked at any time while the first 100 Bitcoin blocks of each round are being mined to enter both the lottery and the jackpot. A countdown is shown in the UI, how much RLB is being staked, as well as the prizes for the current lottery round and the jackpot.



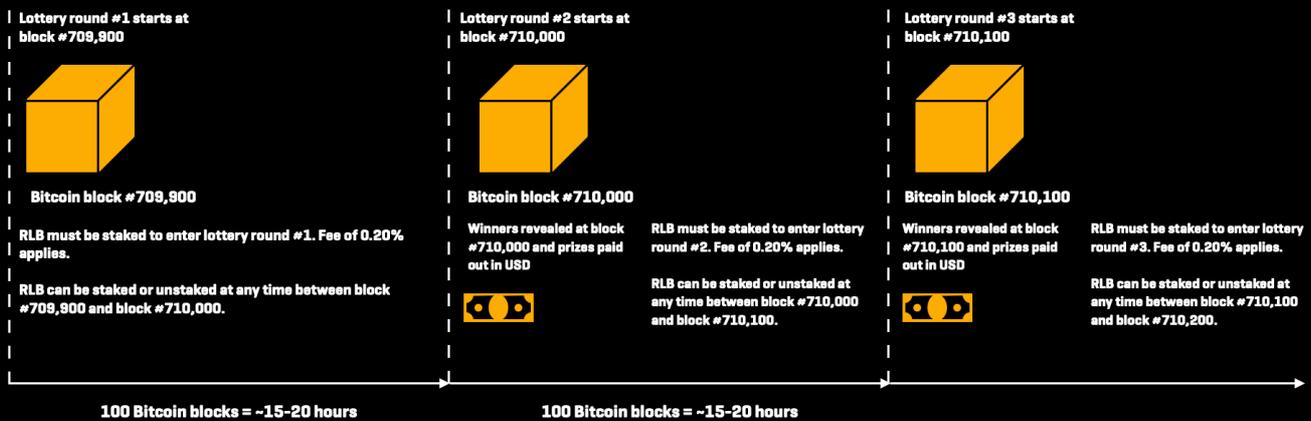


For example, suppose the current Bitcoin block height is 709,900. The current round’s winners are due to be revealed at block 710,000. The results are revealed at block 710,000, you’d need to stake your RLB at any time before block 710,000 is added to Bitcoin’s blockchain.

Once block 710,000 has been mined, users can enter the next round by staking RLB anytime after this block. Once the winners of a round have been announced, players can re-stake their RLB tokens that are returned to them and enter the following draw.

Continuing with the example above, if the results are revealed at block 710,000, then RLB holders can re-stake their tokens to enter the next round until block 710,100 is mined and the results of this round are revealed. Therefore, the lottery will run continuously with an expected frequency of between 15-20 hours.

The diagram below illustrates how the lottery rounds will work.



Of Rollbit’s total casino profits, 20% will be continuously contributed to the profit sharing pool. The more RLB you stake, the greater your chance of winning a prize. The profit sharing pool is tracked on [our website](#) via the carousel, which is updated in real time.



LOTTERY RESULTS

When the winners are drawn after 100 Bitcoin blocks, the prize pool will be distributed between several individuals with the chances of winning proportional to how many RLB were put into the lottery pool. The probability of winning will be displayed when staking a certain amount of RLB.

Winners of the lottery receive their prizes in USD and each user can only win one prize per round. There'll be a total of 100 winners for each round of the lottery and just 1 winner for the jackpot.

- If the prize pool for a given round is \$100,000, then \$70,000 will be allocated to the lottery winners and \$30,000 will be awarded to the jackpot winner (if there is one for that round).
- If the jackpot is not hit, then that prize is rolled over into the next round and will continue accumulating until the jackpot is won.

Once the winners of a lottery round are revealed, prizes are paid out with the following distribution (subject to change over time and based on user feedback):

- **1 winner: 20%** of the lottery prize pool,
- **1 winner: 15%** of the lottery prize pool,
- **1 winner: 10%** of the lottery prize pool,
- **1 winner: 5%** of the lottery prize pool,
- **1 winner: 2.5%** of the lottery prize pool,
- **95 winners: 0.735% to 0.265%** (in increments of 0.0005%) of the lottery prize pool.

If Rollbit's profit sharing pool is \$100,000, then \$70,000 will be allocated to the lottery. One winner will get 20% (i.e., $\$70,000 \times 0.2 = \$14,000$). The next winner will get 15% (i.e., $\$70,000 \times 0.15 = \$10,500$), and so on, with each of the 95 winners receiving prizes ranging between \$514.50 to \$185.50.



The outcome of each lottery pool is calculated in a deterministic way given a random secret, the hash of a target Bitcoin block, and an optional user-provided seed. A cryptographic hash of the random secret is shown at the beginning of each lottery pool before any stakes are made.

By publishing the hash of the secret, we verify that the secret is not changed after stakes are made. By also incorporating the hash of a future Bitcoin block that is unknowable at the beginning of the lottery and a user-provided seed, we ensure it is not possible for us to choose the secret in such a way as to influence the outcome of the lottery.



ROADMAP

- **November 10th, 2021:** first RLB airdrop phase;
 - Existing users retroactively airdropped 1,000 RLB if they've deposited to Rollbit.com at least once,
 - Existing users retroactively airdropped 100 RLB per NFT deposit,
 - All users get 100 RLB for each NFT deposit,
 - New Rollbit users will receive 100 RLB on their first deposit,
 - All Rollbit users will get 1 RLB for every \$1 bet they place on X-Crash [with a Rollbot linked to their profile],
 - All Rollbit users will get 0.1 RLB for every \$1 bet they place on X-Crash if no Rollbot is linked to their profile,

- **November 25th, 2021:** Lottery launch/second RLB airdrop phase;
 - Stake RLB for entry for a chance to win a share of all casino profits.
 - From this date, RLB can only be earned by wagering [linked to rewards such as Rollback, Rakeback and Cashback] or by depositing NFTs [100 RLB credited for each NFT deposit].

- **December 1st, 2021:** Third RLB airdrop phase;
 - RLB airdrop to staked Rollbot holders begins with tokens allocated to every eye trait each day throughout the month. Rollbots staked during this period will be locked until January 1st, 2022,

- **December 24th, 2021:** Staked Rollbots begin earning RLB from their share of half of the staking fees generated by lottery entries,

- **December 31st, 2021:** All RLB distributed to staked Rollbots,

- **January 1st, 2022:** Staked Rollbots that claimed RLB will become unlocked,

- **Early 2022:** RLB listings on centralised exchanges.



IMPORTANT INFO

- Rollbit Website: <https://rollbit.com>,
- RLB Lottery: <https://rollbit.com/rlb/lottery>,
- SolScan: <https://solscan.io/token/RLBxxFkseAZ4RgJH3Sqn8jXxhmGoz9jWxDNJMh8pL7a>,
- Dexlab: <https://trade.dexlab.space/#/market/DFdcGFcAVWZ3UgVgpbBChFKen3URZdZ8dmju8GTXQgCE>,
- Blog: <https://blog.rollbit.com/>,
- Twitter: <https://twitter.com/rollbitcom>,
- Discord: <https://discord.com/invite/Mwx3zqH>,
- Bitcointalk: <https://bitcointalk.org/index.php?topic=5326640.0>,
- Instagram: <https://www.instagram.com/rollbitcom/>.