

prepared by:

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Founding50 Personae: quarterMASTER / flibbertigibbet / techMASTER /  
StinkelUoss / Covfefe

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*1st Edition*

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# **SPECIAL THANKS**

## **BITCOIN**

Thank you to Satoshi Nakamoto for creating Bitcoin and the technology on which all cryptocurrencies were developed or inspired from.

## **DASH**

Thank you to the DASH ([www.dash.org](http://www.dash.org)) developers for its pioneering work in advancing the bitcoin functionality.

## **PIVX**

Thank you to the PIVX ([www.pivx.org](http://www.pivx.org)) development team which forked DASH and further expanded the benefits and potential on which AMMO was forked from.

## **AMMO**

Thank you, now and in advance, to the individuals, teams and developers who helped bring AMMO ([www.ammocoin.org](http://www.ammocoin.org)) into existence now and will propel it into the future.

# DISCLAIMER

AMMO reinvents no wheels. As a fork of the amazing PIVX v3.3 protocol<sup>1</sup> we've chosen the best starting point for the AMMO network. It is our hope that some in the deep pool of amazing PIVX and outside crypto developers will help us grow the value and functionality of the network.

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<sup>1</sup> [https://pivx.org/files/whitepapers/PIVX\\_Non\\_Technical\\_Whitepaper\\_v2.0.pdf](https://pivx.org/files/whitepapers/PIVX_Non_Technical_Whitepaper_v2.0.pdf)

# AMMO SPECS

Coin Name: AMMOcoin

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Coin Abbreviation: AMMO

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Currency Symbol: ~~A~~

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Public address letter: A

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Public address letter testnet: T

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RPC Port: 37019

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P2P Port: 37020

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Premine: 10,000,000 AMMO on 5th July 2021

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Initial Proof-of-Work: 10,000,000 AMMO completed @block 10,000 on 31st July, 2021

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Consensus Method (after initial PoW mining): Proof-of-Stake

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Block Generation Period: approx 120 Seconds

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Block Reward: 500 AMMO (started @block 10,001 on 31st July 2021)

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Reward Distribution: 60% MASTERnodes / 40% Staked Rewards

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Superblock reward: 1%

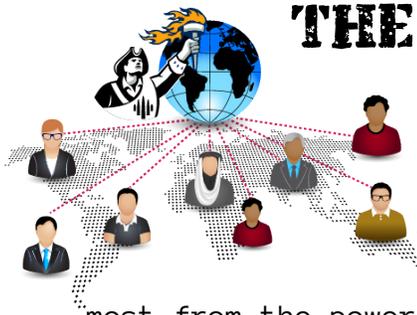
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Masternode Fixed Reserve: 5000 AMMO

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Masternode confirmations: 20 blocks

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# THE MISSION

*“Cryptocurrency for people, patriots & the planet”*

## PEOPLE

We the People matter. Every day individuals. Those who have the least are the ones who can benefit the most from the power of decentralized currencies – yet those are the ones who often know and understand the least about it. AMMO relies on vanguard deployment and an aggressive series of promotional campaigns to educate and earn the support of the masses. A wide and diverse pool of individuals around the world operating wallets, nodes & masternodes to form the backbone of the AMMO protocol.

## PATRIOTS

AMMO is American-borne and global-bound. Patriots yearn for freedom lost in the world of modern centralized banking. Recent global events have shown that overzealous governments, “big brother” corporations and other nefarious actors all exploit today’s technologies in order to spy, control and outright steal from individuals who lack the knowledge or resources to prevent it. AMMO operates on a robust and secure protocol while offering privacy and anonymity to its users. AMMO is a Patriot’s choice as the world delves ever deeper into the wild frontier of blockchain currencies.

## THE PLANET

This is our world. We aim for the stars but care for our home. Digital crypto should liberate us from needless paper waste – not expend precious electricity in its execution. AMMO operates on a leading Proof-of-stake (PoS) algorithm that sips electricity at an exponential fraction of that required by legacy cryptos like Bitcoin & Ethereum. Conservation-minded individuals around the world can embrace AMMO as an eco-friendly choice for their crypto portfolio.

Who says Patriots can't or aren't mindful of waste or needless draining of our planet's resources. After all, patriots are the ones usually mindful of conservation of the lands, its wildlife & its resources.

You can extend your patriotic vision into the crypto realm and feel good about it.

# GLOBAL PAYMENT SYSTEM

AMMO will ultimately position itself as a superior global payment system. As both a convenient and cost-effective system of exchange as well as a solid store of value. To achieve this goal several important advantages must exist.

## AMMO MUST BE ANONYMOUS

The reason individuals worldwide favor cash or precious gems & metals is the anonymity it is able to offer. A level far superior to transactions using digital mediums. Centralized and, often compromised, financial institutions offer convenience at the hefty price of privacy and anonymity. Sadly, much of the recent activity in cryptocurrency and crypto exchanges has conformed and bent to the whims of this same centralized banking model. Your privacy and ability to utilize AMMO as without direct and forced governmental oversight<sup>2</sup> is foundational and should operate with levels comparable to the use of hard currency & items of value.

The ability to conduct anonymous transactions was inherited by AMMO from its source code founders PIVX and DASH before it. The mission of AMMO founders is to teach its users the methods, practices and habits to ensure privacy is not only available – but practiced.

## AMMO MUST BE FAST

Transactions on the AMMO network happen lightning fast – ranging from scant tens of a second to under one minute on a global scale in most cases. Users can opt for even more rapid confirmation of a transaction using SwiftX, offering near instant transaction times where transactions are confirmed within seconds. This is accomplished through the network of dedicated masternodes where transactions do not need multiple confirmations like Bitcoin before it is spendable.

## AMMO TRANSACTIONS MUST BE CHEAP

As a model of efficiency, AMMO is able to provide one of the lowest transaction fees in crypto today. Transactions occur nearly instantly in most cases. Each transaction matures after 10 confirmations on the blockchain to ensure no double spend.

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<sup>2</sup> AMMO is not a proponent of its network being used to circumvent or bypass an individuals local, state, federal tax or financial reporting obligations. It only strives to offer the same level of individual responsibility and freedom of the hard currencies and stores of value it seeks to optimize. Every individual is responsible for their own actions.

- Regular Minimum Transaction Fee - 0.0001 AMMO/kB
- paying minimum is usually fine provided there is less transaction volume than space in the blocks. However it is recommended to choose the recommended custom transaction fee or, ideally, SwiftX when fast confirmations are required.
- Custom Transaction Fee - variable
  - this is variable and AMMO core wallet gives recommendation option to ensure a faster confirmation
- SwiftX Transaction - flat 0.01% fee
  - near instant transaction times where transactions are confirmed within seconds. This is accomplished through the network of masternodes and transactions do not need multiple confirmations like Bitcoin before it is spendable.
  - this option is perfect for amounts up to 1000 AMMO; it bypasses regular nodes and prioritizes direct confirmation through masternodes; near instant confirmation
- Zero-fee Transaction - 0 fee
  - confirmation of transaction typically takes longer but in off-peak transaction times it is a viable option to avoid any fees at all

## AMMO MUST BE SECURE

Security is one of the most important aspects of any cryptocurrency. AMMO relies on Quark hashing as its algorithm. Quark is a one level hash function and does not require a large amount of RAM. It uses a 64-bit protection against attacks by hackers and is known for its low power consumption.<sup>3</sup> If you're into the technical power of Quark this paper published by the International Association for Cryptologic Research is an exhaustively detailed analysis.<sup>4</sup>

### One level of hash with nine levels of encryption

AMMO exploit six different cryptographic algorithms to form nine levels of encryption. The six algorithms are Grøstl, Blue Midnight Wish, Keccak, JH, Skein and Blake.

**Grøstl:** Hashing algorithm submitted to the National Institute of Standards and Technology (NIST) hash function competition back in 2012. It was in the one five finalists, along with Keccak, Skein, JH and Blake.

**Blue Midnight Wish (BMW):** Submitted in 2012 to the SHA-3 National Institute of Standards and Technology (NIST) hash competition. It was created by Danilo Gligoroski,

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<sup>3</sup> [https://en.bitcoinwiki.org/wiki/Quark\\_Algorithm](https://en.bitcoinwiki.org/wiki/Quark_Algorithm)

<sup>4</sup> <https://www.iacr.org/archive/ches2010/62250001/62250001.pdf>

Vlastimil Klima, Svein Johan Knapskog, Mohamed El-Hadedy, Jørn Amundsen and Stig Frode Mjølsnes. It is resistant to length-extension and multi-collision hacker attacks. It was designed to be much more efficient than SHA-2 cryptographic hash functions, as well as offering the same or better security.

Keccak: Created by Guido Bertoni, Joan Daemen, Michael Peeters, and Gilles Van Assche, Keccak was a finalist in a cryptographic hash algorithm competition held on 2nd November 2007. The competition was run by National **Institute** of Standards and Technology (NIST) and ended on 2nd October 2012, when the winning algorithm was announced. This winning algorithm was Keccak and was the become the new standardized SHA-3. It is based on the cryptographic sponge principle, which it what makes it so effective.

JH: JH is a hashing algorithm created by Hongjun Wu. It was submitted to the National Institute of Standards and Technology (NIST) hash function competition in 2012 and was one of the five finalists, along with Keccak, Skein, Grøstl and Blake. The ultimate winner of the competition was Keccak. There are four JH hash algorithms; JH-224, JH-256, JH-384 and JH-512.

Skein: Derived from threefish, the Skein algorithm is a cryptographic hash function that came in the top five of a National Institute of Standards and Technology (NIST) hash function competition. The Skein function intertwines the input, hence the name, which comes from a skein of yarn, where yarn is wrapped in a loose twist. It was created by Bruce Schneier, Niels Ferguson, Stefan Lucks, Doug Whiting, Mihir Bellare, Tadayoshi Kohno, Jon Callas and Jesse Walker.

Blake: This hashing algorithm was entered in the SHA-3 National Institute of Standards and Technology (NIST) cryptographic algorithm competition, back at the start of 2012. It was one of the five finalists that would replace the SHA-3 hashing algorithm standard. It was created by Danilo Gligoroski, Vlastimil Klima, Svein Johan Knapskog, Mohamed El-Hadedy, Jørn Amundsen and Stig Frode Mjølsnes and is resistant to length-extension and multi-collision hacker attacks.

# OPERATORS

## nodes, stakenodes & masternodes

### **Operator: node**

A node is an active AMMO core wallet. No specialized hardware is needed. Any average laptop, desktop (even a raspberry pi) has the computing power to join the network. When the wallet is active and connected to the network it is considered hot. A wallet that is not active and connected is cold. Anyone with an AMMO wallet core wallet can send/receive AMMO. The important fact for patriots is that you maintain and control all AMMO in your possession. This differs than what many are familiar with in the popular crypto-exchanges, where the exchange has control over the crypto of its clients.

### **Operator: stakenode**

Nothing special is needed to become a stakenode. When an AMMO core wallet node is running & unlocked and has at least 1 AMMO in it, it is operating as a stakenode and is eligible to receive a portion of the stake reward of 200 AMMO generated with every block.

### **Operator: masternode**

AMMOcoin wants as many "everyday" folks to become an integral part of the network. We value quantity AND quality. A masternode requires an AMMO core wallet in the same manner as the stakenode. However they also require:

- 5,000 AMMO locked per masternode<sup>5</sup>
- Dedicated IP Address
- 24 hour uptime VPS or dedicated server (you're gonna love this)<sup>6</sup>

A masternode operator has proven a commitment to the success, security and diversity of the AMMO network, helping secure the network and providing a second layer of security by providing additional nodes to validate blocks

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<sup>5</sup> This AMMO never leaves the owners wallet. It is simply "locked" as collateral for as long as its owner wishes to have it linked to an active masternode.

<sup>6</sup> Forget about costly mining hardware and electricity scarfing systems. AMMO sips energy on lean Ubuntu Servers that you can run off nearly ANY computer, including your laptop or a \$100 raspberry pi.

and transactions. Since these are dedicated nodes operating 24/7 it bolsters consistency and reliability.

A masternode operator is rewarded, with 60% of each block reward being sent to a masternode in a round robin fashion on the creation of each block, and are also given voting rights to participate in governance decisions. This is a key component of the DAO Command as all developmental, marketing & budgetary payouts in the protocol are proposed, discussed and decided within the masternode tier of operators.



### Early Bird Perks

The wild west was tamed by brave settlers, prospectors and daring souls. A set amount of masternodes will be opened to brave crypto pioneers during our Vanguard Deployment prior to ANY outside availability. AMMO will not be made available for sale during this period. Those brave individuals who commit as masternode operators will be able to exclusively earn both masternode and stake rewards until the conclusion of the Vanguard Deployment.

# DAO COMMAND

*“I believe that banking institutions are more dangerous to our liberties than standing armies.” –Thomas Jefferson*

It is never wise to go out into the wild west alone. You ain't John Wayne and neither am I. We don't need corporations or elites. We need a posse of brave men and women to join our ranks. Diversity will be our greatest strength. Unique experiences, ideas and visions from the many shall make AMMO excel. Our command is that of the DAO, Decentralized Autonomous Organization with no corporate hierarchy or structure.

“One masternode. One vote”

Each individual masternode has a vote. Upon completion of the missions in our vanguard deployment, every maneuver AMMO makes is guided only by proposals submitted and approved by its masternodes. All funding is handled through separate governance budgets within the AMMO protocol. The proposals & votes are still anonymous and each individual masternode gets one vote.

Each and every masternode operator can and is encouraged to submit proposals. This is accomplished through the debug console of your wallet:

1. First you need to prepare a budget to submit on the AMMOcoin Network.
  1. There are six elements (“Arguments”) in the preparebudget command entered as follows:
    1. Arguments:
      1. "proposal-name": (string, required) Desired proposal name (20 character limit)
        1. NOTE: Make this concise and simple
      2. "url": (string, required) URL of proposal details (64 character limit)
        1. NOTE: It is strongly recommended that this is posted on the AMMOcoin Governance Space which can be navigated to at <https://dao.ammocoin.org><sup>7</sup>
      3. payment-count: (numeric, required) Total number of monthly payments
      4. block-start: (numeric, required) Starting super block height
        1. NOTE: Obtain this number by entering the following in the debug console and recording the result:
          1. getnextsuperblock
          2. EXAMPLE block-start = 172800

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<sup>7</sup> This domain forwards to the space on AMMO.chat dedicated to AMMOcoin DAO proposals, discussions and topics

5. "ammocoin-address": (string, required) AMMOcoin address to send payments to
  6. monthly-payment: (numeric, required) Monthly payment amount
2. In the debug console enter the above arguments in the following format:
    1. preparebudget "proposal-name" "url" payment-count block-start "ammocoin-address" monthly-payment
    2. If everything is entered correctly a preparation hash will be displayed. Record this for the next step
      1. EXAMPLE preparation hash =  
19b770e9ee1d8acd7bfbfa9e1554ee858da6458cdf8ddba546bd9a771d9b349
  3. Next you will submit your budget with the submitbudget command which has seven elements ("Arguments"). The first six ARE IDENTICAL to those submitted in the preparebudget string. The seventh argument is the transaction hash you recorded from the preparebudget command and are as follows:
    1. submitbudget "proposal-name" "url" payment-count block-start "ammocoin-address" monthy-payment "fee-tx"
    2. If everything is entered correctly a vote hash will be displayed. Record this for the next step
      1. EXAMPLE vote hash =  
b8ac529dd9786389ce95dad5c05d7787cf578f54c7a02b0937a352c2fd29f039
  4. Individual masternode operators would vote on the above proposal by entering one of the following in the debug console:
    1. To check status of proposal = "getbudgetinfo < name of proposal >"
    2. To vote in favor of proposal = "mnbudgetvote many < vote hash > yes"
    3. To vote against proposal = "mnbudgetvote many < vote hash > no"

Remember each masternode gets one vote. Many users may be running multiples of masternodes. For example, one user may have 10 masternodes running so that individual would have 10 votes submitted. The "many" part of the command line indicates that all masternodes running through that one wallet are voting "yes" or "no" at that time. If a user maintains multiples of masternodes spread across various wallets he/she would have to submit votes for each wallet to cover all masternodes.

# LIMITED SUPPLY

*"It is the quality rather than the quantity that matters."*

*Lucius Annaeus Seneca*

Some look at the enormous value of a single bitcoin in the tens of thousands without fully understanding how a single "coin" could garner so much fiat money. A thing often forgotten is the reality of supply and demand.

Bitcoin has an extremely limited supply compared to most cryptocurrency. The causes a much higher demand and value. Of course it didn't hurt to be the pioneering first to create crypto in the first place.

AMMO has no limit supply but is generated at a rate of 500 AMMO per block creation. The rate of block generation ranges from 1-3 minutes on average so the increase in annual AMMOcoin supply averages around 12,000,000 monthly.

# INITIAL VALUATION

ZERO. ZILCH. ZIP. NADA.

## No ICO

AMMO has no initial valuation as there will never be any Initial Coin Offering (ICO).

In the short term it will not be found on any crypto exchanges. Why? By design. AMMO was and is being released in a structured way to form as strong and diverse network possible. Where other cryptocurrencies relied on inflated ICOs (Initial Coin Offerings), AMMO's release is focused on bolstering its' network through as many nodes & masternodes under the control and benefit of as many individuals possible.

By offering exclusive involvement essentially as a pre-launch it incentivizes early adopters and entices investment in the new crypto in a heavily saturated market.

Those who get involved in the AMMO network by becoming masternode operators during the structured release are a critical component and are rewarded with the lion's share of both the masternode and stake rewards.

Beyond that, folks who become AMMOfreaks and AMMOgeeks earn AMMO before it's ever fully available to the public.

So, yeah, AMMO has no intrinsic value as of right now. But, then again, Bitcoin had a value of Zero on its release.

## **No Exchanges**

Collectively, AMMO will not be offered on exchanges until completion of the Vanguard Deployment without explicit approval through DAO Command. As a decentralized system no one has authority over individual AMMO holders. However, founding50 members have vowed to honor decisions made through DAO Command in this important regard.

A huge portion of AMMO earmarked as rewards for individuals who help expand the functionality of the network and also those who promote it through their own individual spheres of influence. These AMMOgeeks & AMMOfreaks stand to benefit from a share of 20,000,000 AMMO rewarded for their efforts. It's the one time getting a "participation reward" really is something worthwhile.

# **STRUCTURED RELEASE**

The AMMO founders had a goal. AMMO diversified and spread around the globe as thoroughly as possible. AMMO in the hands of everyone. To do it cost-effectively and without needing corporate or elitist involvement.

## **The Vanguard Deployment**

AMMO deployment is structured around several key vectors.

### **AMMOcoin.org**

A typical informational landing site for the AMMO protocol. Visitors can find out all about AMMO, download this snazzy white paper, download wallets and learn about the sister websites.

### **AMMO.capital**

Domain reserved for future use as a dedicated AMMO exchange platform where users can buy/sell AMMO along with exchange for other cryptocurrencies, fiat currency. Other potential uses may be incorporated DeFi, NFTs or other services that may be relevant when the exchange becomes active.

Any decisions related to this website will be proposed, discussed and ultimately submitted through DAO Command to determine what will actually be implemented.

### **AMMO.chat**

This domain is a dedicated social hub established, owned, financed & operated by several of the founding50 members. Premine and mined AMMO totaling 40,000,000 are held in trust by founding50 members for a promoted distribution

Much like the issues with traditional financial sources, traditional social media outlets (Twitter, Facebook, Instagram, YouTube) have grown into monstrosities of privacy abuses, neglect of user desires, and hyper partisan biases that diminish the core purpose that made them so popular (and profitable) in the first place.

Traditional Social Media is like the ancient pyramids built for the benefit of the pharaohs off the blood, sweat and tears of the abused masses.

Another irritating reality is each of the monolithic social media sources offer a limited service. Video curating at YouTube. Short messaging at

Twitter. Family connecting at Facebook. Photo sharing at Instagram. Other sites like Change.org, OnlyFans, Craigslist, offer even more services.

At AMMOchat users are able to do all of these things -- while maintaining your god-given right to privacy, choice and self-control. All at one centralized location with one, single login.

### **AMMOgeeks**

An AMMOgeek is an individual who has technical skills to offer. AMMO founders placed in trust a sizeable portion of the initial AMMO supply specifically to entice, reward and incentivize those in the crypto-community to help improve everything from AMMO wallets to helping develop and incorporate improvements and new features within the AMMO network.

As AMMO was developed off the PIVX source code it shares much of the infrastructure of popular coins like DASH and PIVX. Enthusiasts and developers on those would find an easy fit and opportunity to secure AMMO simply by using their existing knowledge and skill to help AMMO grow and become even more amazing.

If this is something you have an interest in swing by the sister site AMMO.chat and look at job offerings in the marketplace. The QuarterMASTER is the guy coordinating this element of AMMO's structured release and the one who would discuss AMMO compensation. Of course you can also join us on github to fork our files and begin working right away.

### **AMMOfreaks**

AMMO was created with the determination to get it into the hands of as many individuals as humanly possible, all without the benefit (and obvious detriment) of huge corporate backers. To offset this deficit, it is the enthusiasm and desire to spread the word by folks like you that is absolutely paramount.

AMMO founders have earmarked a sizeable portion of the initial AMMO supply to incentivize and reward individuals who hit the social media streets to drive viral excitement and information to the masses.

Affectionately referred to as AMMOfreaks. You can claim your portion of the AMMO cache through sharing content, creating cool memes & promos or any of a variety of ways.

First step as always is to download your AMMO wallet. Then swing by AMMO.chat and check out the Market place where QuarterMASTER will be posting opportunities to earn AMMO directly. You can also start earning Merit thru onsite activities.