

ALX Token

Functions

constructor

No parameters

Returns:

No parameters

fallback

\*\*Add Documentation for the method here\*\*

No parameters

Returns:

No parameters

allowance

See (IERC20-allowance).

Name	Type	Description
owner	address	
spender	address	

Returns:

Name	Type	Description
	uint256	

approve

See (IERC20-approve). NOTE: If 'amount' is the maximum 'uint256', the allowance is not updated on 'transferFrom'. This is semantically equivalent to an infinite approval. Requirements: - 'spender' cannot be the zero address.

Name	Type	Description
spender	address	
amount	uint256	

Returns:

Name	Type	Description
	bool	

balanceOf

See (IERC20-balanceOf).

Name	Type	Description
account	address	

Returns:

Name	Type	Description
	uint256	

decimals

Returns the number of decimals used to get its user representation. For example, if 'decimals' equals '2', a balance of '505' tokens should be displayed to a user as '5.05' ('505 / 10 \*\* 2'). Tokens usually opt for a value of 18, imitating the relationship between Ether and Wei. This is the value (IERC20) uses, unless this function is overridden; NOTE: This information is only used for '\_display\_' purposes: it in no way affects any of the arithmetic of the contract, including (IERC20-balanceOf) and (IERC20-transfer).

No parameters

Returns:

Name	Type	Description
	uint8	

decreaseAllowance

Atomically decreases the allowance granted to 'spender' by the caller. This is an alternative to (approve) that can be used as a mitigation for problems described in (IERC20-approve). Emits an (Approval) event indicating the updated allowance. Requirements: - 'spender' cannot be the zero address. - 'spender' must have allowance for the caller of at least 'subtractedValue'.

Name	Type	Description
spender	address	
subtractedValue	uint256	

Returns:

Name	Type	Description
	bool	

distributeReward

This method mints tokens on caller's address. Only Silver Chain manager and Gold Chain manager can call this method.

Name	Type	Description
amount	uint256	Amount of tokens to mint

Returns:

No parameters

getGoldChainManager

Returns Gold chain manager contract address.

No parameters

Returns:

Name	Type	Description
_goldChainManager	address	Gold chain manager contract address

getSettingContract

Returns Setting contract address.

No parameters

Returns:

Name	Type	Description
_settingContract	address	Setting contract address

getSilverChainManager

Returns Silver chain manager contract address.

No parameters

Returns:

Name	Type	Description
_silverChainManager	address	Silver chain manager contract address

getTokenBalance

Returns any token balance of contract.

Name	Type	Description
_tokenAddress	address	Token contract address

Returns:

Name	Type	Description
_balance	uint256	Token Balance

increaseAllowance

Atomically increases the allowance granted to 'spender' by the caller. This is an alternative to (approve) that can be used as a mitigation for problems described in (IERC20-approve). Emits an (Approval) event indicating the updated allowance. Requirements: - 'spender' cannot be the zero address.

Name	Type	Description
spender	address	
addedValue	uint256	

Returns:

Name	Type	Description
	bool	

initialize

Initialize: Deploy ALX Token and sets basic values. Tokens minted on user address

No parameters

Returns:

No parameters

name

Returns the name of the token.

No parameters

Returns:

Name	Type	Description
	string	

owner

Returns the address of the current owner.

No parameters

Returns:

Name	Type	Description
	address	

paused

Returns true if the contract is paused, and false otherwise.

No parameters

Returns:

Name	Type	Description
	bool	

proxiableUUID

Implementation of the ERC1822 (proxiableUUID) function. This returns the storage slot used by the implementation. It is used to validate that the this implementation remains valid after an upgrade. IMPORTANT: A proxy pointing at a proxiable contract should not be considered proxiable itself, because this risks bricking a proxy that upgrades to it, by delegating to itself until out of gas. Thus it is critical that this function revert if invoked through a proxy. This is guaranteed by the 'notDelegated' modifier.

No parameters

Returns:

Name	Type	Description
	bytes32	

renounceOwnership

Leaves the contract without owner. It will not be possible to call 'onlyOwner' functions anymore. Can only be called by the current owner. NOTE: Renouncing ownership will leave the contract without an owner, thereby removing any functionality that is only available to the owner.

No parameters

Returns:

No parameters

setGoldChainManager

Sets Gold chain manager address. Only Setting contract can call this method.

Name	Type	Description
_goldChainManager	address	Gold chain manager address

Returns:

No parameters

setSettingContract

Sets Setting contract address. Only owner can set this value

Name	Type	Description
_settingContract	address	Setting Contract address

Returns:

No parameters

setSilverChainManager

Sets Silver chain manager address. Only Setting contract can call this method.

Name	Type	Description
_silverChainManager	address	Silver chain manager address

Returns:

No parameters

symbol

Returns the symbol of the token, usually a shorter version of the name.

No parameters

Returns:

Name	Type	Description
	string	

totalSupply

See (IERC20-totalSupply).

No parameters

Returns:

Name	Type	Description
	uint256	

transfer

See (IERC20-transfer). Requirements: - 'to' cannot be the zero address. - the caller must have a balance of at least 'amount'.

Name	Type	Description
to	address	
amount	uint256	

Returns:

Name	Type	Description
	bool	

transferFrom

See (IERC20-transferFrom). Emits an (Approval) event indicating the updated allowance. This is not required by the EIP. See the note at the beginning of (IERC20). NOTE: Does not update the allowance if the current allowance is the maximum 'uint256'. Requirements: - 'from' and 'to' cannot be the zero address. - 'from' must have a balance of at least 'amount'. - the caller must have allowance for 'from' 's tokens of at least 'amount'.

Name	Type	Description
from	address	
to	address	
amount	uint256	

Returns:

Name	Type	Description
	bool	

transferOwnership

Transfers ownership of the contract to a new account ('newOwner'). Can only be called by the current owner.

Name	Type	Description
newOwner	address	

Returns:

No parameters

upgradeTo

Upgrade the implementation of the proxy to 'newImplementation'. Calls (\_authorizeUpgrade). Emits an (Upgraded) event.

Name	Type	Description
newImplementation	address	

Returns:

No parameters

upgradeToAndCall

Upgrade the implementation of the proxy to 'newImplementation', and subsequently execute the function call encoded in 'data'. Calls (\_authorizeUpgrade). Emits an (Upgraded) event.

Name	Type	Description
newImplementation	address	
data	bytes	

Returns:

No parameters

withdrawCurrency

Withdraw currency balance from this contrat and can send to any address. Only Owner can call this method.

Name	Type	Description
_destination	address	User address

Returns:

No parameters

withdrawToken

Withdraw any token balance from this contrat and can send to any address. Only Owner can call this method.

Name	Type	Description
tokenAddress	address	Token Address
_destination	address	User address

Returns:

No parameters

undefined

\*\*Add Documentation for the method here\*\*

No parameters

Returns:

No parameters