

Ballena.io SmartContract Functions per Role						
Smart contract	Function	Description	Gnosis wallets			Others
			Governance	Operations	Security	
BalleV2	setGovernance	Change governance address.	X			
BalleV2	addMinter	Approve address to mint BALLE.	X			
BalleV2	removeMinter	Revoke address permission to mint BALLE.	X			
BalleV2	mint	Mint new BALLE.	X			Minters
BalleV2	inCaseTokensGetStuck	Allows governance to take unsupported tokens out of the contract, in case someone, for example, transfers tokens to BALLE contract.	X			
BalleMaster	setOperations	Allows owner to change the address of the operations multisig wallet	X			
BalleMaster	setSecurity	Allows owner to change the address of the security multisig wallet	X			
BalleMaster	addVault	Add a new vault. This will allow to configure and test a new vault, but still will not get BALLE rewards. The vault is not visible in the App.	X	X		
BalleMaster	activateVaultRewards	Activate BALLE rewards in a vault that was added. It will be used after the vault is fully configured and tested. The vault will appear on the App and start to distribute BALLE rewards.	X	X		
BalleMaster	modifyVaultRewards	Modify the BALLE rewards a vault will distribute. Updates the multiplier displayed on the App.	X	X		
BalleMaster	deactivateVaultRewards	Deactivate the BALLE rewards distribution in a vault. Updates the multiplier displayed on the App to 0x.	X	X		
BalleMaster	proposeStratUpgrade	Start the 24 hours timelock for upgrading a vault's strategy smart contract.	X			
BalleMaster	stratUpgrade	Launches the strategy upgrade process that will change the active smart contract for the vault. It must be called after the timelock expired.	X	X		
BalleMaster	pauseVault	This pauses the vault. The LP tokens and rewards are retired from farm and deposited to strategy contract. The vault continues to distribute BALLE rewards.	X	X	X	
BalleMaster	unpauseVault	Puts the farm to work again after a pause or panic.	X	X		
BalleMaster	panicVault	Pauses the vault with emergencyWithdraw from the farm (this leaves rewards behind, but could be needed to recover LP's in an emergency situation).	X	X	X	
BalleMaster	retireVault	Retires the vault. Remove LP's from farm. If not enough rewards to make a harvest, the remaining tokens will be sent to treasury.	X	X		
BalleMaster	inCaseTokensGetStuck	Allows to take tokens out of the contract in case something goes wrong and tokens got stuck here. Will not allow to move BALLE from the contract. No other tokens will be stored here normally, only pending BALLE rewards.	X			
Strategies	harvest	Launches the reinvest process if there are enough farm reward tokens.	X	X		Harvester
Strategies	setSettings	Function to set the strategy parameters in case something needs to be adjusted after launch: entrance fee, performance fee, stakers/treasury factor, slippage or minimal quantity of farm rewards to reinvest.	X	X		
Strategies	setGovernance	Change governance multisig address.	X			
Strategies	setOperations	Change operations multisig address.	X			
Strategies	setRewards	Change rewards fund contract address.	X			
Strategies	setTreasury	Change treasury contract address.	X			
Strategies	addHarvester	Approve address to launch harvest process on strategies.	X	X		
Strategies	removeHarvester	Revoke address permission to launch harvest process on strategies.	X	X		
Strategies	inCaseTokensGetStuck	Allows to take tokens out of the contract in case something goes wrong and tokens got stuck here. Will not allow to move LP tokens of this vault or the token rewarded by the farm from the contract. No other tokens will be stored here normally.	X			
BalleTreasury	withdrawTokens	Function to withdraw any token sent to the contract.	X			
BalleTreasury	withdrawBnb	Function to withdraw BNB sent to the contract.	X			
BalleRewardFund	setRewardDistribution	Function to set the RewardDistribution contract address that can send funds from here to a Rewarder contract.	X			
BalleRewardFund	inCaseTokensGetStuck	Allows to take tokens out of the contract in case someone sends here tokens by mistake. Will not allow to move BALLE tokens.	X			
BalleRewardFund	sendRewardAmount	Function to transfer reward tokens of the current period to the Rewarder. Usually it's called from the RewardDistribution contract, but on emergency can be called from Gnosis wallet (owner).	X			RewardDistribution
BalleRewardDistribution	setTreasury	Change treasury contract address.	X			
BalleRewardDistribution	setRewardFund	Change reward fund contract address.	X			
BalleRewardDistribution	setStakingPool	Change staking pool contract address.	X			
BalleRewardDistribution	setRewarder	Change rewarder contract address.	X			
BalleRewardDistribution	distributeReward	Function to send reward for a period from reward fund to the rewarder contract, minting the BALLE corresponding to de Extra Reward to apply as per the indicated multiplier.	X			
BalleRewardDistribution	inCaseTokensGetStuck	Allows to take tokens out of the contract in case someone sends here tokens by mistake.	X			
BalleRewarder	setStakingPool	Change staking pool contract address.	X			
BalleRewarder	sendReward	Function to transfer reward tokens to a user's wallet. Usually it's called from the StakingPool contract, but on emergency can be called from Gnosis wallet (owner).	X			StakingPool
BalleRewarder	inCaseTokensGetStuck	Allows to take tokens out of the contract in case someone sends here tokens by mistake. Will not allow to move BALLE tokens.	X			
BalleStakingPool	setRewarder	Change rewarder contract address.	X			
BalleStakingPool	setRewardDistribution	Function to set the RewardDistribution contract address that can add rewards to the pool.	X			
BalleStakingPool	setSecurity	Allows owner to change the address of the security multisig wallet	X			
BalleStakingPool	addReward	Function to add new reward to distribute to the pool. Usually it's called from the RewardDistribution contract, but on emergency can be called from Gnosis wallet (owner).	X			RewardDistribution
BalleStakingPool	stopRewards	Function to stop the distribution of rewards. Pool remains working but no new rewards are distributed. Users can stake and withdraw normally (staking and rewards).	X		X	
BalleStakingPool	finish	Function to finish the pool. No new staking is allowed. No new rewards are distributed nor can added. Users can withdraw normally (staking and rewards).	X		X	
BalleStakingPool	inCaseTokensGetStuck	Allows to take tokens out of the contract in case someone sends here tokens by mistake. Will not allow to move BALLE tokens.	X			