

Messages

InstantiateMsg

```
{ // Account which can update config "owner" :  
  
"neutron..." , // Account which can update token addresses and generator "token_info_manager" :  
  
"neutron..." , // Credits contract address "credits_contract" :  
  
"neutron..." , // Auction contract address "auction_contract" :  
  
"neutron..." , // Timestamp when Contract will start accepting LP Token deposits "init_timestamp" :  
1234567890 , // Number of seconds during which lockup deposits will be accepted "lock_window" :  
10000 , // Withdrawal Window Length :: Post the deposit window "withdrawal_window" :  
1000 , // Min. no. of weeks allowed for lockup "min_lock_duration" :  
1000 , // Max. no. of weeks allowed for lockup "max_lock_duration" :  
1000 , // Max lockup positions a user can have "max_positions_per_user" :  
100 , // Describes rewards coefficients for each lockup duration "lockup_rewards_info" :  
  
[ { "duration" :  
  
10000 , "coefficient" :  
  
"0.5" } , { "duration" :  
  
20000 , "coefficient" :  
  
"1" } ] }
```

ExecuteMsg

receive

CW20 receive msg.

```
{ "receive" :  
  
{ "sender" :  
  
"neutron..." , "amount" :  
  
"123" , "msg" :  
  
"" } }
```

initialize_pool

```
{ "initialize_pool" :  
  
{ // pool type: "usdc" or "atom" "pool_type" :  
  
"usdc" , // incentives for this concrete pool "incentives_share" :  
  
"10000" } } Initializes necessary structs and info for a specific LP pool in the Lockdrop contract. Can be called only by  
the Auction contract . Execute this message by calling the LP token contract address of the corresponding pool.
```

increase_lockup_for

```
{ "increase_lockup_for" :
{ "user_address" :
"neutron..." , "pool_type" :
"usdc" , "amount" :
"10000" , "duration" :
100 } }
```

Facilitates opening a new user position or adding to an existing position.

increase_ntrn_incentives

```
{ "increase_ntrn_incentives" :
{ } }
```

Admin function to increase theNTRN incentives that are to be distributed.

update_config

```
{ "update_config" :
{ // Bootstrap Auction contract address "auction_contract_address" :
"neutron..." , // Generator (Staking for dual rewards) contract address "generator_address" :
"neutron..." , } }
```

Can only be called by the admin. Facilitates updating configuration parameters.

set_token_info

```
{ "set_token_info" :
{ // Address of LP token of ATOM/NTRN pool "atom_token" :
"neutron..." , // Address of LP token of USDC/NTRN pool "usdc_token" :
"neutron..." , // Address of generator contract "generator" :
"neutron..." } }
```

Sets info aboutATOM/NTRN ,USDC/NTRN LP tokens and a Generator contract.

withdraw_from_lockup

```
{ "withdraw_from_lockup" :
{ "user_address" :
"neutron..." , "pool_type" :
"usdc" , "duration" :
111 , "amount" :
"1000" } }
```

Facilitates LP token withdrawals from lockup positions by users. 100% amount can be withdrawn during deposit window, which is then limited to 50% during 1st half of deposit window which then decreases linearly during 2nd half of deposit window. Only 1 withdrawal can be made by a user during the withdrawal windows.

claim_rewards_and_optionally_unlock

```
{ "claim_rewards_and_optionally_unlock" :
{ "pool_type" :
```

"usdc" , "duration" :

100 , "withdraw_lp_stake" :

true } } Facilitates rewards claim by users for a particular lockup position along with unlock when possible.

propose_new_owner

{

"propose_new_owner" :

{ // Newly proposed contract owner "owner" :

"neutron..." , // The date after which this proposal expires "expires_in" :

1111 } } Admin function. Creates an offer to change the contract ownership. The validity period of the offer is set in the expires_in variable. After expires_in seconds pass, the proposal expires and cannot be accepted anymore.

drop_ownership_proposal

{ "drop_ownership_proposal" :

{ } } Admin function. Removes an existing offer to change the contract owner.

claim_ownership

{ "claim_ownership" :

{ } } Admin function. Used to claim contract ownership.

callback

update_pool_on_dual_rewards_claim

{ "update_pool_on_dual_rewards_claim" : { "pool_type" :

"usdc" , "prev_ntrn_balance" :

"1000" , "prev_proxy_reward_balances" :

[] } } Callback function to update contract state after pending dual staking rewards are claimed from the generator contract.

withdraw_user_lockup_rewards_callback

{ "withdraw_user_lockup_rewards_callback" :

{ "pool_type" :

"usdc" , "user_address" :

"neutron..." , "duration" :

100 , "withdraw_lp_stake" :

true } } Callback function to withdraw user rewards for a particular lockup position along with optional LP tokens withdrawal (upon lockup duration expiration). [Previous Overview Next Queries](#)