ClipperRouter

Clipper router that allows to useClipperExchangeInterface for swaps

Derives

• EthReceiver

Functions

constructor

function

constructor (contract

IWETH weth)

Parameters:

Name Type Description weth contract IWETH

clipperSwapToWithPermit

function

clipperSwapToWithPermit (contract

IClipperExchangeInterface clipperExchange, address

payable recipient, contract

IERC20 srcToken, contract

IERC20 dstToken, uint256 inputAmount, uint256 outputAmount, uint256 expiryWithFlags, bytes32 r, bytes32 vs, bytes

calldata permit)

external

returns (uint256 returnAmount) Same asclipperSwapTo but calls permit first, allowing to approve token spending and make a swap in one transaction.

Parameters:

Name Type Description clipperExchange contract IClipperExchangeInterface Clipper pool address recipient address payable Address that will receive swap funds srcToken contract IERC20 Source token dstToken contract IERC20 Destination token inputAmount uint256 Amount of source tokens to swap outputAmount uint256 Amount of destination tokens to receive expiryWithFlags uint256 Timestamp until the swap will be valid with permit2 flag r bytes32 Clipper order signature (r part) vs bytes32 Clipper order signature (vs part) permit bytes Should contain valid permit that can be used inIERC20Permit.permit calls. See tests for examples

Return values

Name Type Description returnAmount uint256 Amount of destination tokens received

clipperSwap

function

clipperSwap (contract

IClipperExchangeInterface clipperExchange, contract

IERC20 srcToken, contract

IERC20 dstToken, uint256 inputAmount, uint256 outputAmount, uint256 expiryWithFlags, bytes32 r, bytes32 vs)

external

payable

returns (uint256 returnAmount) Same asclipperSwapTo but usesmsg.sender as recipient

Parameters:

Name Type Description clipperExchange contract IClipperExchangeInterface Clipper pool address srcToken contract IERC20 Source token dstToken contract IERC20 Destination token inputAmount uint256 Amount of source tokens to swap outputAmount uint256 Amount of destination tokens to receive expiryWithFlags uint256 Timestamp until the swap will be valid with permit2 flag r bytes32 Clipper order signature (r part) vs bytes32 Clipper order signature (vs part)

Return values

Name Type Description returnAmount uint256 Amount of destination tokens received

clipperSwapTo

function

clipperSwapTo (contract

IClipperExchangeInterface clipperExchange, address

payable recipient, contract

IERC20 srcToken, contract

IERC20 dstToken, uint256 inputAmount, uint256 outputAmount, uint256 expiryWithFlags, bytes32 r, bytes32 vs)

public

payable

returns (uint256 returnAmount) Performs swap using Clipper exchange. Wraps and unwraps ETH if required. Sending non-zeromsg.value for anything but ETH swaps is prohibited

Parameters:

Name Type Description clipperExchange contract IClipperExchangeInterface Clipper pool address recipient address payable Address that will receive swap funds srcToken contract IERC20 Source token dstToken contract IERC20 Destination token inputAmount uint256 Amount of source tokens to swap outputAmount uint256 Amount of destination tokens to receive expiryWithFlags uint256 Timestamp until the swap will be valid with permit2 flag r bytes32 Clipper order signature (r part) vs bytes32 Clipper order signature (vs part)

Return values

Name Type Description returnAmount uint256 Amount of destination tokens received<u>Edit this page Previous AggregationRouterV6 Next GenericRouter</u>