

# Seed Phrase Module - tKey iOS SDK

SeedPhraseModule is a Swift module that provides functionality for setting, changing, getting, and deleting seed phrases for a ThresholdKey object.

To use the SeedPhraseModule in your Swift project, you will need to import the module as follows:

import tkey\_pkg SeedPhraseModule is a class that provides the following methods:

Function	Description	Arguments	Async	return
set_seed_phrase	Set seed phrase to corresponding tKey threshold_key:	ThresholdKey, format: String, phrase: String?, number_of_wallets: UInt32	Yes	void
change_phrase	Changes specific seed phrase	threshold_key: ThresholdKey, old_phrase: String, new_phrase: String	Yes	void
get_seed_phrases	Gets all seed phrases stored in tKey.	threshold_key: ThresholdKey	Yes	[seedPhraseStruct]
delete_seed_phrase	Delete the seed phrase	threshold_key: ThresholdKey, phrase: String	Yes	void

## set\_seed\_phrase()

[^](#)

set\_seed\_phrase(threshold\_key: ThresholdKey, format: String, phrase: String?, number\_of\_wallets: UInt32) async throws

This function sets the seed phrase for the given ThresholdKey.

### Parameters<sup>[^](#)</sup>

Parameters	Type	Description
threshold_key	ThresholdKey	The ThresholdKey object to set the seed phrase for.
format	String	The format of the seed phrase.
phrase	String?	The seed phrase. If nil, a random seed phrase is generated.
number_of_wallets	UInt32	The number of wallets to derive from the seed phrase. Returns

- Void

Throws

- Error: An error if the operation fails.

## change\_phrase()

[^](#)

change\_phrase(threshold\_key: ThresholdKey, old\_phrase: String, new\_phrase: String) async throws

This function changes the seed phrase of the given ThresholdKey. The old\_phrase parameter specifies the old seed phrase, and the new\_phrase parameter specifies the new seed phrase. The function is asynchronous and can throw an error.

### Parameters<sup>[^](#)</sup>

Parameters	Type	Description
threshold_key	ThresholdKey	The ThresholdKey object to change the seed phrase for.
old_phrase	String	The old seed phrase.
new_phrase	String	The new seed phrase. Returns

- Void

Throws

- Error: An error if the operation fails.

## get\_seed\_phrases()

[^](#)

get\_seed\_phrases(threshold\_key: ThresholdKey) throws -> [seedPhraseStruct]

This function returns an array of seedPhraseStruct objects, which contain the seed phrases and their type for the given ThresholdKey.

### Parameters<sup>[^](#)</sup>

Parameters	Type	Description
threshold_key	ThresholdKey	The ThresholdKey object to get the seed phrases for. Returns

- seedPhraseStruct

Throws

- Error: An error if the operation fails.

## delete\_seed\_phrase()

[â](#)

delete\_seed\_phrase(threshold\_key: ThresholdKey, phrase: String ) async throws

This method deletes a seed phrase from the given ThresholdKey.

### Parameters

Parameters Type Description threshold\_key ThresholdKey The ThresholdKey instance from which to delete the seed phrase. phrase String The seed phrase to delete, as a string. Returns

- Void

Throws

- Error: An error if the operation fails. [Edit this page](#) [Previous Security Question](#) [Next Share Serialization](#)