



# Return2Me

*Facilitate recovery of your lost Apple Watch, iPhone, iPad, iPod touch, other Apple devices, or any of your owned valued possessions*

## Application Reference



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# Contents

**I. Overview**

**II. Privacy and Data Protection**

**III. Device Recovery**

**IV. Item Inventory**

**V. Preferences**

**VI. Live Photo Utility**

**VII. How-To Tutorials**

# I. Overview

The '**Return2Me**' app assists in recovering a lost device through the methods of *Recovery Tags* and *DIY Device Labels*.

Recovery Tags are customized Wallpapers and Widgets that are displayed when a locked device is activated by a user.

Device Labels are printable labels, intended to be placed on the outside enclosure of the device. Customized wallpapers are to be used for the device Lock Screen or as a Watch Face.

These Lock Screen Wallpapers, Widgets, and Labels contain sufficient recovery information to facilitate the return of the unit by a Finder to the Owner.

The app has many customization features, such as creating wallpapers from various input media types and formats, as well as supporting utility functions to handle Live Photos and GIF formats.

The DIY Device Label feature offers several popular templets to enable the creation of many types of printable labels and/or business cards on commercially available paper forms in either DIN A4 or US Letter

sizes. Non-standard formats can also be defined by the user.

Expand the app functionality by enabling the *Inventory Management* and to keep a catalog of your valuable items.

The following categories are supported:

1. Apple Watch
2. Mac
3. Other Apple Devices (e.g. iPhone, iPad, iPod touch, Airport Express, AirPods cases, etc)
4. Any Non-Apple user-defined types

Create detailed reports for your records and 'Lost Posters' to aid in the recovery of lost or stolen items. The Inventory Management feature is best utilized on devices with a minimum of 32GB of memory.

Inventory Management requires that the device Owner activated the app login protection feature. Also, each item in the inventory must be assigned a unique identifier, such as a Serial Number, or any other user-defined ID.

Context-sensitive user help is embedded in the app.

Devices with 3D Touch capability or running iOS 13 (and later) allows for the creation of customized Wallpapers with a Live Photo to be assigned as the Lock Screen.

iOS 12 (and later) users can manage personalized Voice Shortcuts to run many of the apps' tasks more efficiently using Siri.

**NOTE:** With the exception of Siri Voice Shortcuts, the app does not depend on being connected to the Internet in order to perform core functionality. All user-data is securely stored locally on the device and access-protected with owner configured password and/or a biometric type authentication method (e.g. Touch ID, Face ID).

Although primarily targeted for iPhone devices, the app can also be installed on an iPad or iPod touch, running iOS 9.0 (and later).

## II. Privacy and Data Protection

All data collected to meet the functional objectives of this app ('**Return2Me**') are securely stored internally on your device and **not** uploaded to a remote server, iCloud, or any other Internet-based repository/service.

This app is not designed to share your information with any party or entity for any purpose.

Users can manage their data in confidence being assured that their information is kept private on the device on which the app is installed from the Apple App Store.

The user can control the apps' iOS Privacy settings based on certain functions to be performed.

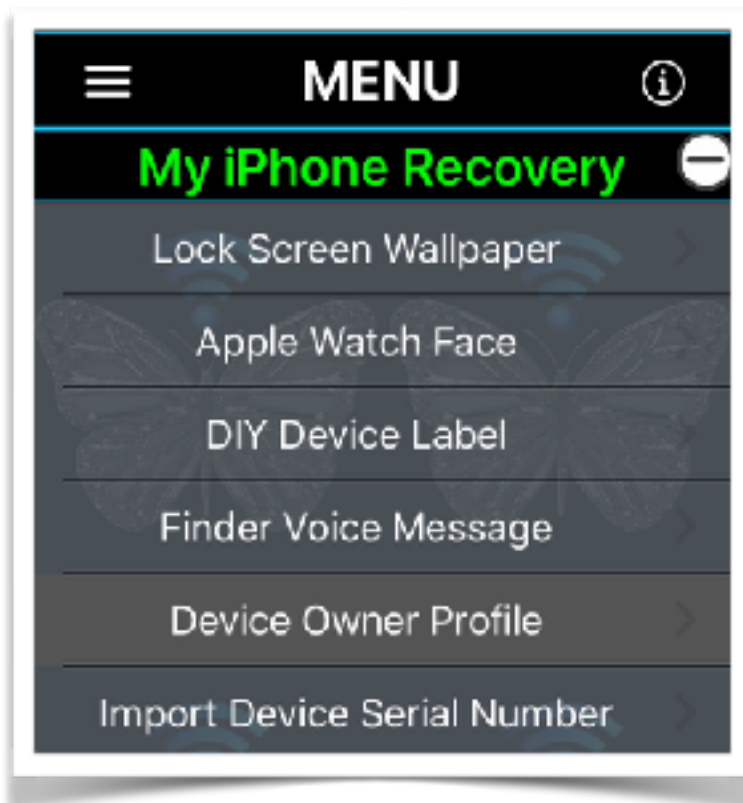
Typical allowed features include access to:

1. *Contacts* to identify the owner of a device
2. *Photos* to create customized Wallpapers
3. *Microphone* for recording a personalized device recovery announcement
4. *Face/Touch ID* to allow quick and secure app authentication
5. *Siri Search* for verbal short cuts to initiate app actions
6. *Notifications* for the app to issue reminders when the Inventory database should be backed up

## III. Device Recovery

- A. Lock Screen Wallpaper
- B. Apple Watch Face
- C. DIY Device Labels
- D. Finder Voice Message
- E. Device Owner Profile
- F. Import Device Serial Number

### Overview



Make a customized Lock Screen Wallpaper to be displayed when your device is activated.

The information contained on the Lock Screen will have sufficient information to assist a finder to return the device to you.

Create a customized Wallpaper to aid in the

recovery of a lost Apple Watch.

The watch face can be configured using the Watch app and applying the Wallpaper stored in the iPhone Photos Library.

Print a DIY Device Label to attach to the outside enclosure of the device.

The purpose of the label is to show recovery information in case the Lock Screen cannot be displayed (e.g. because of no power or other malfunction).

Record a personalized voice message for a Finder of your device. This message will replace the default messages provided by the app.

The message is played back on various occasions when the app is activated from either the '**Return2Me**' widget, or when the app is launched due to a 3D/Long-Pressure touch, or some other user interactions.

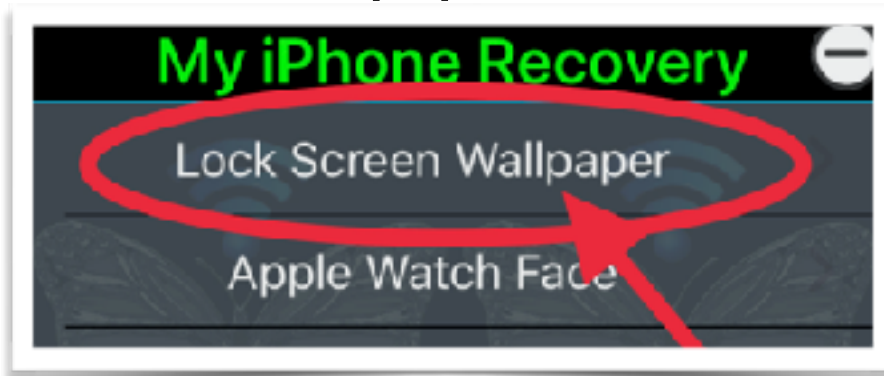
Customize your Device Owner Profile, which contains the contact information to be shown on the Lock Screen and DIY Device Label.

Import Device Serial Number to augment Wallpaper and other recovery information by also displaying the serial number.

This additional piece of information can be helpful when reporting a lost or stolen device to the authorities.



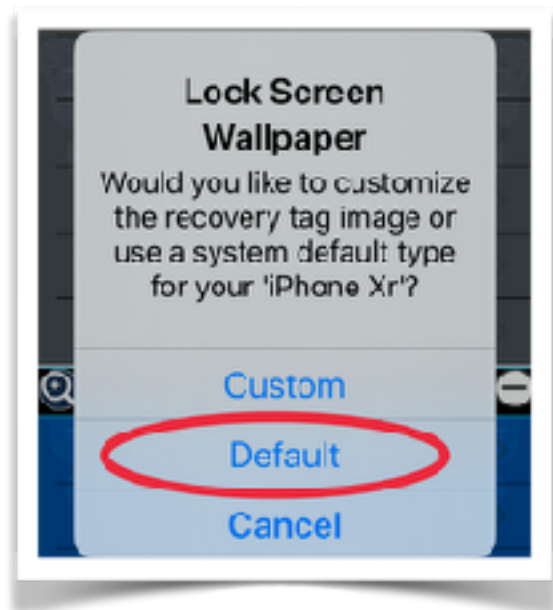
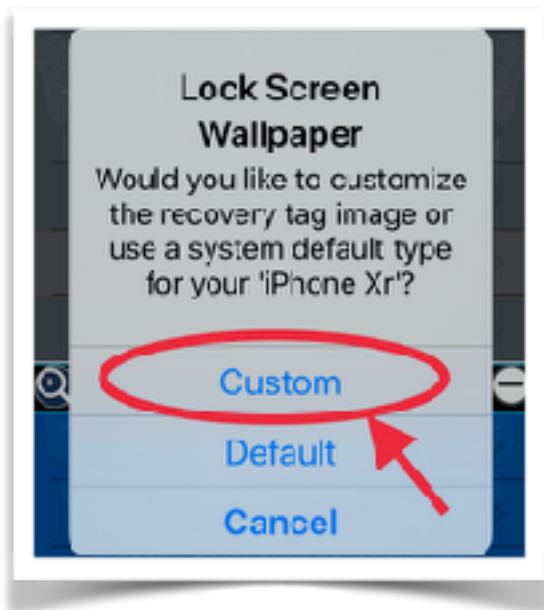
## A. Lock Screen Wallpaper



The purpose of the Lock Screen Wallpaper is to provide sufficient information to return a lost device, particularly if access to the device Home Screen is locked with a Passcode.

The Lock Screen Wallpaper will always be displayed on the startup (or Lock) screen when a device is powered up.

The app will give you the option to either create a **Custom** or **Default** Wallpaper version.



A **Custom** version enables you to change the Lock Screen Wallpaper by editing the recovery text and background image.

Select a background image to create a Wallpaper for the Device Lock Screen.

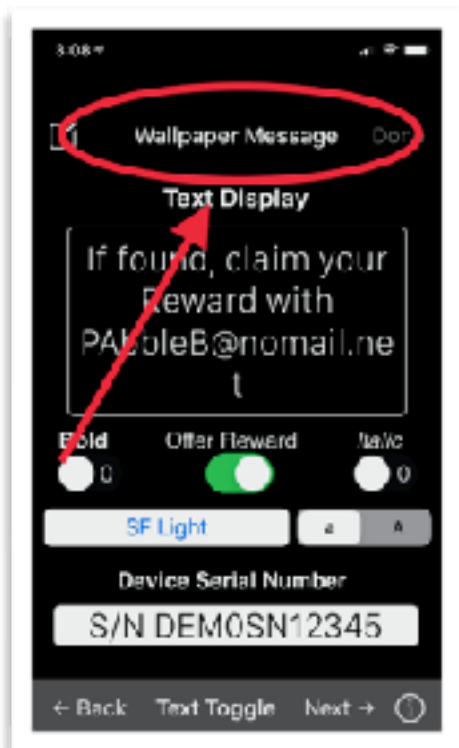


You can pick one of the stock images by flipping horizontally through the display list.

Images in landscape mode will be automatically rotated to portrait orientation.

The camera can also be used as a source for a background image or select a picture from the Photo Library.

A Live Photo may be used if your device supports this feature.

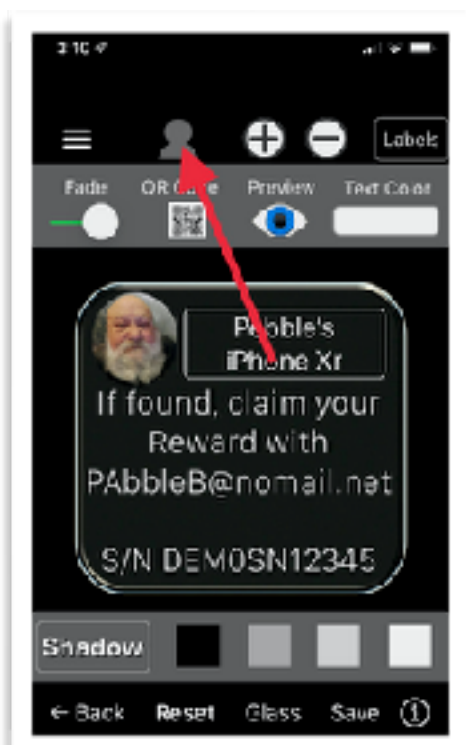


A text message and Device Serial Number are displayed with the background image. The text message should show contact information to anyone who recovers this device.

The Device Serial Number will always be displayed and cannot be changed.

Use the 'Text Toggle' button at bottom of the view to toggle through suggested text content.

Alternatively, compose a customized message, up to 256 characters in length.



The following actions (●) can be performed to affect the Wallpaper presentation:

- Drag the text to the desired position.
- Change the text size by tapping the plus(+) or minus(-) icon, or use pinch and stretch gestures.
- Change the background image 'Fade' value using the slider at the top of the screen.
- Touch the 'Shadow' button to create a drop shadow for the text. Change the shadow color.

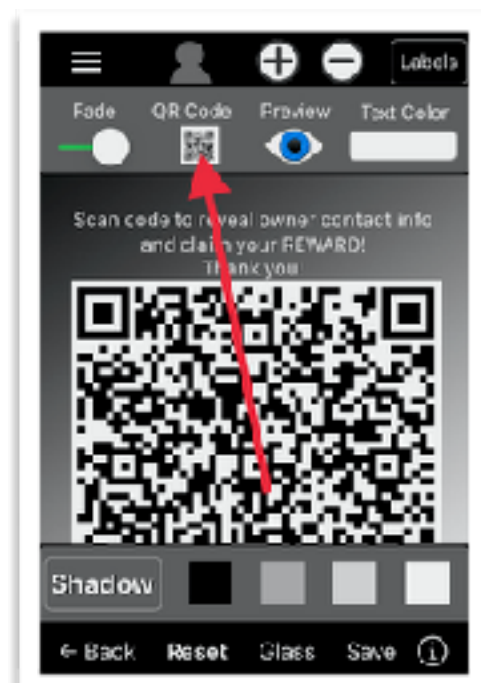
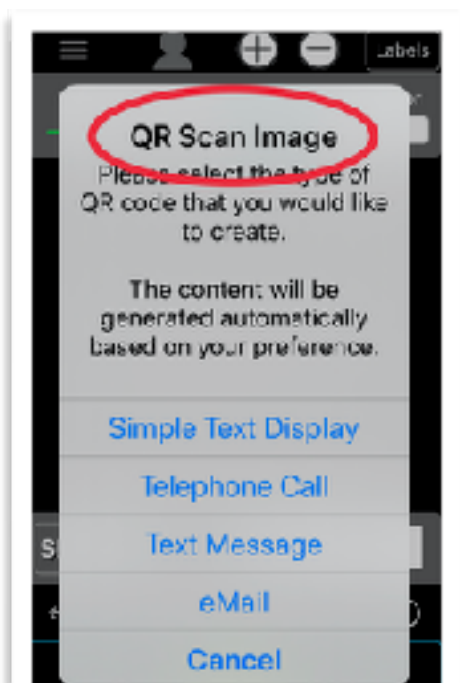


- Touch 'Glass' to toggle broken glass effects overlay.

Change the text color by touching the 'Color' button at the top of the screen.

Additional overlay effects can be achieved by also touching the Contacts icon at the top of the screen.

Tap the QR Code at the top to generate a unique Quick Reader bar code Recovery Tag, which can be scanned by a mobile smart device to reveal owner contact information as well as initiate certain actions depending

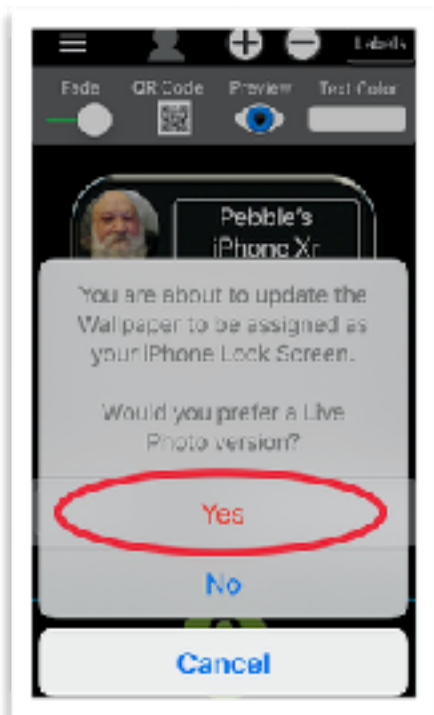


on the type of QR code (e.g. Phone Call, email message, SMS, simple text display).

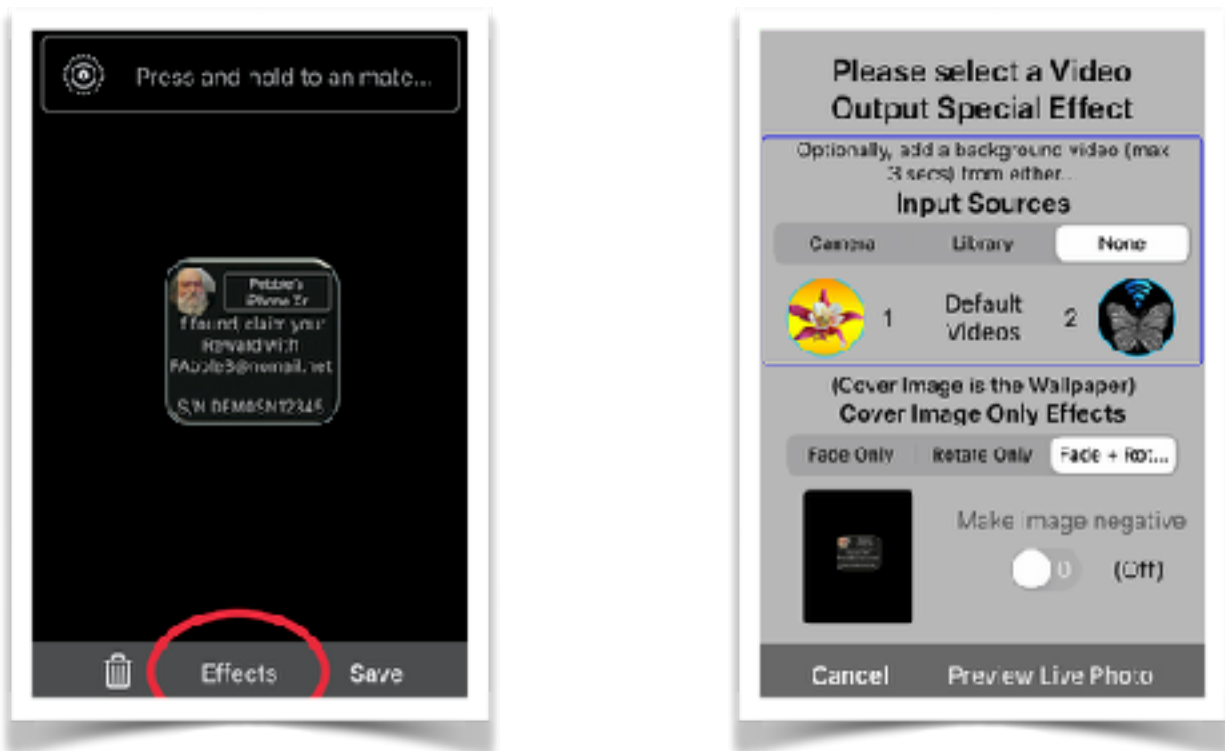
When the QR Code is displayed, use either a 3D or long pressure touch to simulate the action when scanning of the QR code occurs.

Tap 'Reset' to restore the text to its original setting and center it on the background image.

If the device has the appropriate iOS version 9.1 (and later) installed and sufficient RAM available, the Wallpaper can be generated as a Live Photo to be assigned as the Lock Screen/Desktop Wallpaper.



A few special effects are available to enhance the Live Photo generation of the Wallpaper for the Lock Screen.



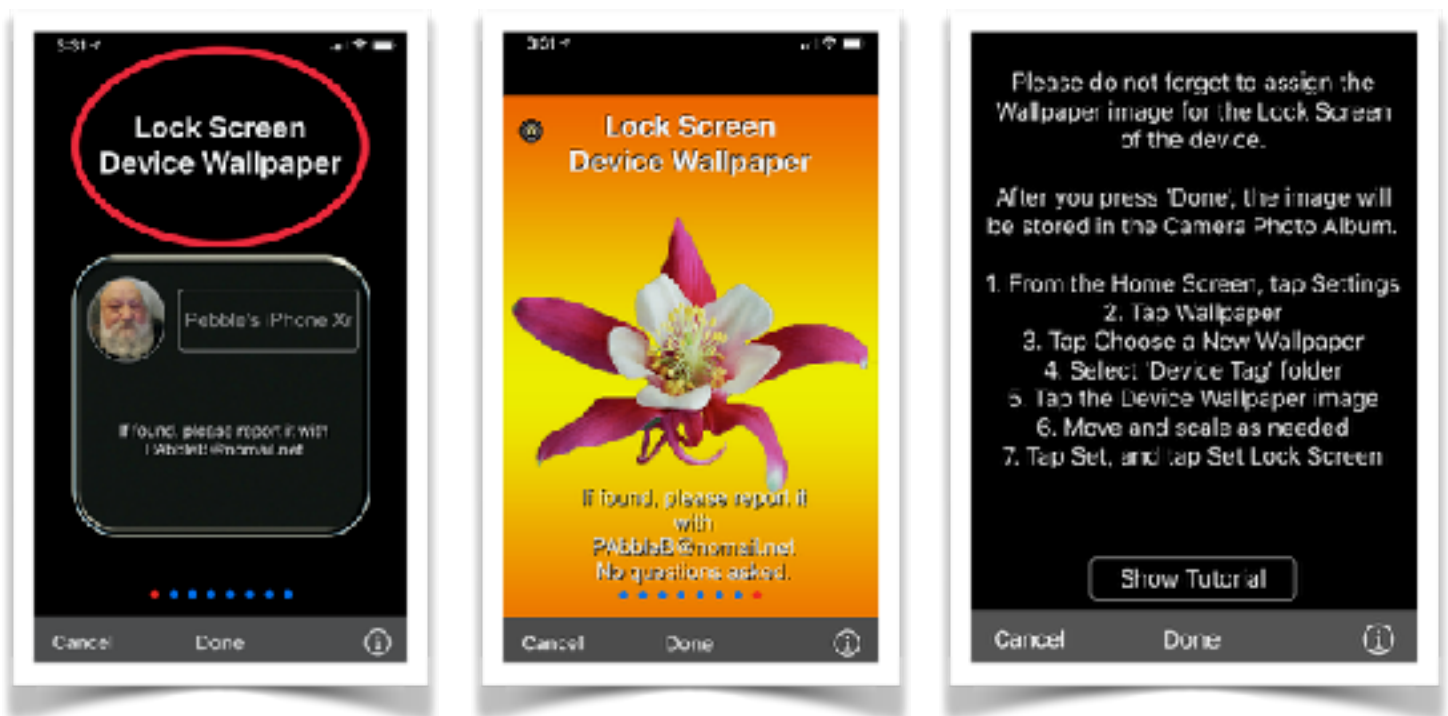
Tap the 'Save' button at the bottom to generate the Wallpaper image and then assign it as a New Wallpaper for the Lock Screen.

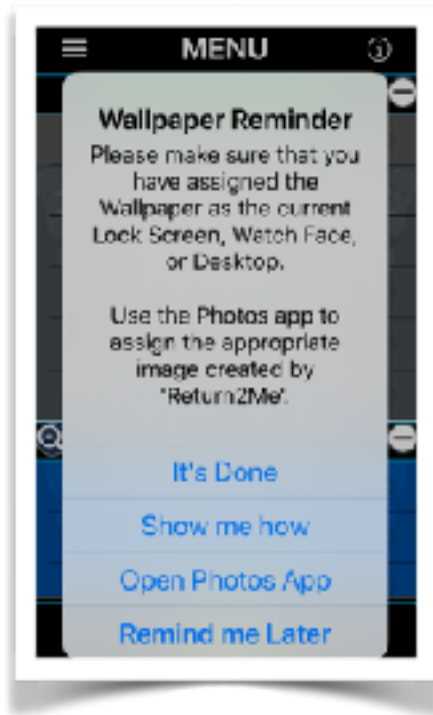


A **Default** version is automatically generated by the app with minimum user input by selecting from a list of default recovery images.

Assuming that your device supports the display of a Live Photo, you have the option to configure a Recovery Tag in Live Photo format to be used as the Lock Screen Wallpaper.

The new version should be assigned as the current device Wallpaper for the Lock Screen.





Upon starting the app, a reminder notification is displayed to prompt the user confirming that the Wallpaper image was applied as the current Lock Screen. The notification will continue to appear until positive confirmation was obtained.

If you also wish to display a Recovery Tag as a Widget when your device is locked, please enable the Today View as follows:

1. From the Home screen select 'Settings'.
2. Select 'Face/Touch ID & Passcode'.
3. Enter your passcode.
4. Scroll down to the section ALLOW ACCESS WHEN LOCKED:
5. Set the 'Today View' switch to ON



## B. Apple Watch Face

Create a Wallpaper in the form of a Watch Face to aid in the recovery of a lost Apple Watch.

The app will give you the option to either create a **Custom** or **Default** Wallpaper version.

A **Custom** version enables you to change the Watch Face Wallpaper by editing the recovery text and background image.

A **Default** version is automatically generated by the app with minimum user input.

The Watch Face can be configured using the Watch app and applying the Wallpaper stored in the device Photos Library.

## C. DIY Device Labels

Make your own Device Label to attach to the outside enclosure of the unit.

The purpose of the label is to show recovery information in case the Lock Screen cannot be displayed (e.g. because of no power or other malfunction).

Labels are formatted compatible with popular

ANSI A (US Letter)

or

DIN A4 (metric) sizes.

In the event that the provided label formats do not meet your needs, customize a label based on your own specifications.

You can either print one Label on a selected Row and Column, or a series of labels starting at a selected Row and Column on a sheet.

As many pages as needed will be printed to accommodate all required labels.

## **D. Finder Voice Message**

You can create a personal audio message in your own language for presentation to someone who recovers your lost device, leaving instructions on how to return the unit and maybe claim a reward.

You can use the built-in microphone to make your recording.

The Finder Voice Message (either customized by you, or provided by the app as default) can only be activated in case where a user has access to the app because the device was not locked and/or password protected by the you.

The app will play the voice message under the following circumstances:

1. the app is launched because the user touched the **'Return2Me'** widget (Recovery Tag),
2. the app is launched from the Home Screen manually and the user long-presses on the Dashboard window,
3. makes more than three failed login attempts to the app, or
4. the user applies 3D/Long-Pressure Touch on the app icon and then touches the displayed Recovery Tag window.

## **E. Device Owner Profile**

You can customize your Device Owner Profile, which contains the contact information to be shown on the Lock Screen and DIY Label.

## **F. Import Device Serial Number**

By importing the device serial number, Wallpaper and other recovery information will be augmented by also displaying the serial number.

This additional piece of information can be helpful when reporting a lost or stolen device to the authorities.

## **IV. Item Inventory**

- A. All Registered Items
- B. Items by Type
- C. Inventory Data Backup/Restore
- D. Clear Item Inventory
- E. Add/Delete Inventory Demo Items
- F. Search Item Inventory

### **Overview**

This feature is activated by setting the 'Show Inventory Menu' switch into the ON position. The switch is located on the 'General Options' page of the app 'Preferences Menu'.

Typical functions that can be performed are:

- Lists all Items registered into the Inventory by the device owner and (based on preference settings) indicates the total number in the form of an app Badge Icon on the Home Screen.
- Shows inventory items grouped by item user and also allows for Inventory Reporting with several sorting options. Reports are in PDF format, ready for printing or sharing using different means.

- Breaks down the Item Inventory by Categories (e.g. Apple Watches, Macs, Smart Apple hand-held, other Apple devices, or User-defined Items).
- Allows for the backup and restore of the Items Inventory database.

## **A. All Registered Items**

This section lists all registered items by designated Owners.

Each item can be managed by either swiping a list entry to the left for added actions, or by tapping an entry to perform more extensive maintenance functions, such as changing ownership, updating item descriptions or images, documenting procurement information, and generating reports for printing as PDF.

All information is securely stored directly on your device and can also be exported for backup purposes.

NOTE: There are no practical limits to the number of items that can be recorded into the Item Inventory. However, the maximum size of the Item Inventory is limited to the available storage space on your device.

## **B. Items by Type**

This section allows for the creation and maintenance of inventory items by type (or category).

The following types are supported:

1. Apple Watch
2. Mac
3. Other Apple Devices
4. Any Non-Apple Items

The user can add items within each category, provided that a Serial Number or unique identifier is associated with each item.

Serial Numbers can either be entered manually or imported using the BarCode Reader feature of the app.

### **C. Inventory Data Backup/Restore**

The Item Inventory database contained within the app can be exported as a backup file either through File Sharing, as an eMail attachment, or via AirDrop.

It should be noted that the backup file can only be restored by the user authenticating with the same password that was in effect when the backup was created.

Also, prior to loading a backup file from an email attachment, the user has to first log into the **‘Return2Me’** app and also follow the one-time procedure to assign a Serial Number to the device on which the app is installed.

## D. Clear Item Inventory

The contents of the Item Inventory database can be reset (cleared).

This action cannot be performed unless a prior backup file was created.

Note that there is no 'Undo' option here. The data will be permanently erased and can only be re-created through manual input or by restoring from a backup file.

## E. Add/Delete Inventory Demo Items

Demo data can be populated into the apps database to illustrate the functionality of the system and assist the user in managing the Item Inventory with example data.

NOTE: Demo examples will not be included in any Inventory Database backup.

## F. Search Item Inventory

Touch the 'Search Icon' at the left corner of the header menu to select item records based on user-input criteria.

The search argument is free-form and will try to match all inventory database records on Item Type, Model/IMEI, Date Purchased, Place of Purchase, and Owner.

Note that any search result will always include an item entry for the device on which app '**Return2Me**' is installed.

# **V. Preferences**

- A. App Feedback
- B. General Options
- C. Monitor Device Passcode Use
- D. App Privacy Settings
- E. Set App Login Credentials
- F. Siri Shortcuts

## **Overview**

Provides your feedback to our developers via the App Store with the intend of improving functionality in future releases.

Allows for the configuration of several app-wide behaviors.

## **A. App Feedback**

Transfer constructive feedback and suggestions to our developers via the Apple App Store.

Your comments will be reviewed by our team to improve the functionality of the app in upcoming releases.

The device has to be connected to the Internet in order to perform this function.



## B. General Options

Configure app-wide preferences, such as restricting app use by requiring either login authentication or having unrestricted access.

Authenticating with Touch/Face ID (if supported by device), or setting inactivity time-outs for automatic logout from the app to protect privacy.

If iOS 10.3 (and later) is installed on the device, then the app icon can be changed to display an alternative one on the Home Screen.

## C. Monitor Device Passcode Use

The app will indicate that a device has been locked by monitoring if the device has iOS Password set to ON, and will display the respective status on certain screens, suggesting that iOS Password should be active to prevent unauthorized used.

Monitoring can be enabled/disabled to affect related alerts.

## D. App Privacy Settings

Displays the current iOS privacy settings related to app **‘Return2Me’**.

The user can change the settings based on certain features to be performed by the app.

Typical allowed features include access to:

1. *Contacts* to identify the owner of a device
2. *Photos* to create customized Wallpapers
3. *Microphone* for recording a personalized device recovery announcement
4. *Face ID* to allow quick and secure app authentication
5. *Siri Search* for verbal short cuts to app functions
6. Notifications for the app to issue reminders when database should be backed up

## E. Set App Login Credentials

Update the login information in order for the app to be used securely.

## F. Siri Shortcuts

iOS 12 (and later) users can configure voice shortcuts to perform certain '**Return2Me**' app features via Siri. Please note that Siri does require that the device be connected to the Internet.

# **VI. Live Photo Utility**

## **Overview**

Manipulate your own Live Photos when running your device with iOS version 9.1 (and later).

The maximum recording duration for a Live Photo and/or animated GIF is recommended to not exceed three seconds.

### **A. Make Custom Live Photo**

Make a Live Photo using a picture from your Photo Library, Camera, shoot a video with your Camera, or import one from the Video Library.

### **B. Convert Live Photo to GIF**

Use a Live Photo on your device and convert it to an animated GIF for sharing over the Internet (e.g. as an email attachment or, depending on device type, via AirDrop).

### **C. Split Live Photo**

Splits a Live Photo into its discrete components for subsequent use.

Stores an image and a video in the device Pictures Folder from a Live Photo input source.

## VII. How-To Tutorials

- A. Set Lock Screen Wallpaper
- B. Import Device Serial Number
- C. Set Watch Face Wallpaper
- D. Report a Lost Apple Device
- E. Activate Inventory Management
- F. Add Items to Inventory
- G. Exporting Inventory Backup File
- H. Importing Inventory Backup File
- I. Restoring the Inventory Backup File
- J. Handling File Sharing

### Overview

The usage descriptions are somewhat generic in nature to cover the general steps in order to accomplish a given task. Because of ongoing iOS feature updates and version releases, some specifics might deviate from the examples shown in the tutorials.

### A. Set Lock Screen Wallpaper

Provided that the device has an active Internet connection, a Web View can be activated within the ‘**Return2Me**’ app, showing the pertinent information directly from the Apple Support website.

Alternatively, in off-line mode, a built-in slide presentation shows the steps to set the Lock Screen Wallpaper for either a static image or a Live Photo.

The general steps are:

1. Tap Settings on Home Screen.
2. Tap Wallpaper...
3. 'Choose a New Wallpaper'...
4. Select 'Device Tag' album...
5. Tap your Wallpaper image...
6. Scale and position the image. Touch 'Set'.
7. Tap 'Set Lock Screen'.

## B. Import Device Serial Number

Provided that the device has an active Internet connection, a Web View can be activated within the '**Return2Me**' app, showing the pertinent information directly from the Apple Support website.

Alternatively, in off-line mode, a built-in slide presentation shows the steps to import the Serial Number of the device on which the '**Return2Me**' app is installed.

The general steps are:

1. Tap Settings on Home Screen.
2. Tap 'General'...
3. Tap 'About'...
4. Long-press 'Serial Number', tap 'Copy', then press Home button and open the app Main Menu...

5. Tap 'Import Device Serial Number'. A confirmation message will be displayed.

## C. Set Watch Face Wallpaper

Provided that the device has an active Internet connection, a Web View can be activated within the '**Return2Me**' app, showing the pertinent information directly from the Apple Support website.

Alternatively, in off-line mode, a built-in slide presentation shows the steps to make a Watch Face using the '**Photos**' and '**Watch**' apps installed on your device.

After the '**Return2Me**' app generated a Wallpaper image (Watch Face), the general steps are:

1. Tap the 'Photos' app on the Home Screen.
2. Locate the 'Watch Tag' album and tap your custom image...
3. Tap your custom image to reveal the picture...
4. Touch the 'Share' action button at bottom...
5. Tap 'Create Watch Face' at bottom...
6. Choose your custom Watch Face in the Watch app...
7. Add it as your Watch Face photo image for transfer to the paired Apple Watch.

## D. Report a Lost Apple Device

Provided that the device has an active Internet connection, a Web View can be activated within the '**Return2Me**' app, showing the pertinent information directly from the Apple Support website.

## E. Activate Inventory Management

The Inventory Management feature is an option that must be first activated by the device owner.

The feature can only be activated while the user is logged into the '**Return2Me**' app.

A built-in slide presentation shows the steps to activate the Item Inventory.

The general steps are:

1. Tap 'General Options' from the app Preferences Menu.
2. Slide the 'Show Inventory Menu' switch to the ON position.

## F. Add Items to Inventory

A built-in slide presentation shows the steps to add items to the Inventory.

As an example, the general steps for adding an **iPad** device are:

1. Tap the 'Items by Type' entry under the 'My Item Inventory' menu.

2. Touch 'Add other Apple Device' under the 'Other Devices' sub-menu.
3. Select the 'iPad' option as the Device Type and pick an iPad model from the drop-down list. Touch 'Next' to proceed.
4. Type, scan bar code, or paste unique Serial Number. Attach up to two optional reference images. Tap 'Register' to add to inventory.

This general procedure can be repeated for different device types, or any other user-defined items.

Each item listed in the Inventory can be augmented by information provided by the user.

The information can pertain to an items` Product Description, Pictures, Proof of Purchase, and other transactional data.

The source of the information can either be directly typed or imported by the user into the app.

In the case of importing supplemental item data, the source can be from File Sharing and/or the import of certain attachments to emails or files contained in Folders directly accessible from your device.

***The 'Return2Me' app will accept the following file types from File Sharing:***



Image files with name extension of .png, .jpg, .jpeg, .tiff, and .gif.

Document files with name extensions of .xls, .pptx, .ppt, .docx, .doc, .pdf, .txt, and .rtf.

Upon launching the '**Return2Me**', all files with these known name extensions will be automatically made available for use in the app.

Files that are moved with File Sharing into the app Document folder that do not comply to these known file name extensions will be deleted upon start-up or refresh of the '**Return2Me**' app.

### *Importing from Other Sources*

Files with name extensions ending in .r2me are associated by iOS as being compatible for processing with app '**Return2Me**'.

For example, if an email with a file attachment named 'ProctInfo.pdf.r2me' is received on the device, then the file can be copied to app '**Return2Me**' and will be process as a pdf document.

## **G. Exporting Inventory Backup File**

Use the File Sharing procedure described [here](#) to export the file '**Return2Me.r2mbk**' from app '**Return2Me**'.

## H. Importing Inventory Backup File

Use the File Sharing procedure described [here](#) to import the file '**Return2Me.r2mbk**' into app '**Return2Me**'.

## I. Restoring the Inventory Backup File

1. On your device, launch the '**Return2Me**' app.
2. Navigate to the 'My Inventory' Menu.
3. Touch the 'Inventory Data Backup/Restore'.
4. For the purpose of privacy, a password must be entered by the user in order to apply the backup. The password must match the password that was used at the time when the backup file was originally created by app '**Return2Me**'.
5. Upon successful password validation, the backup file will be synchronized with any Inventory Data already in place.
6. A confirmation message will display the results of the backup process (e.g. how many records added, modified, etc).

7. The app will then prompt you to restart and resume regular operation.

## J. Handling File Sharing

You can copy files between your computer and app '**Return2Me**' on your iOS or iPadOS device using File Sharing.

If you're using **macOS Catalina**, use the **Finder** to share files between your computer and your iOS or iPadOS device, or perform alternative Finder actions as described on the Apple Support website.

If you're using **macOS Mojave or earlier or a Windows PC**, use **iTunes** to share files between your computer and your iOS or iPadOS device, or perform alternative iTunes actions as described on the Apple Support website.

### *Finder File Sharing*

(Copy from your Mac to your device)

1. Open a Finder window.
2. Connect your iPhone, iPad, or iPod touch to your computer with a USB cable.
3. Select your device in the Finder.

4. Click the Files tab to see a list of apps that can share files.
5. Click the triangle next to app '**Return2Me**' to see the files that you can share.
6. Drag the files to the app on your device. The Finder copies the files to your device.

### ***Finder File Sharing***

(Copy from your device to your Mac)

1. Select the files that you want to copy.
2. Drag the files to a folder on your computer. The Finder copies the files to your computer.

### ***iTunes File Sharing***

(Copy files from your computer to an iOS or iPadOS app)

1. Open latest version of iTunes on your computer (Mac or PC).
2. Connect your device to your computer using a USB cable.
3. Select your device in iTunes.
4. On the left sidebar, click File Sharing.

5. Select the '**Return2Me**' app from the list in the File Sharing section.

6. Drag and drop desired files from a folder or window onto the Documents list to copy it to your device. You can also click Add in the Documents list in iTunes, find the appropriate file, and then click 'Add'. iTunes copies the file to the app '**Return2Me**' on your device.

### ***iTunes File Sharing***

(Copy files from an iOS or iPadOS app to your computer)

1. In iTunes, select the '**Return2Me**' app from the list in the File Sharing section.

2. Drag and drop files from a folder or window onto the Documents list to copy them to your device.

You can also select the file or files you want to copy from the Documents list in iTunes to your computer, and then click 'Save'.

iTunes copies these files from the app '**Return2Me**' to your computer.

**NOTE:** All imported files are locally stored on the device in compressed format before being automatically deleted from the source location. The user must be

logged into app '**Return2Me**' in order to manage the imported files from the app menu entitled 'Documents Collection'.