# THE RINGS TEMPLATE

# **USER GUIDE**

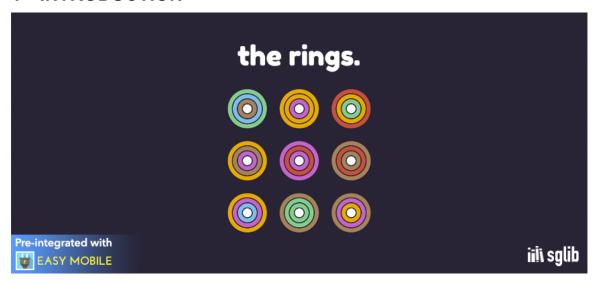
We strive to provide the best service as we can, if you have any questions or suggestions, please contact us!

Thank you!

## Table of Contents

| 1       | INTRO | DUCTION                                 | 3    |
|---------|-------|---|------|
| 2       | GETTI | NG STARTED                              | 3    |
|         | 2.1 E | NTER APP INFORMATION                    | 3    |
|         | 2.2 L | INK THE GAME TO YOUR UNITY PROJECT      | 4    |
| 3       | TEMP  | LATE CUSTOMIZATION                      | 6    |
|         | 3.1   | SAMEPLAY TWEAKING                       | 6    |
|         | 3.1.1 | GameManager                             | 6    |
|         | 3.1.2 | CameraController                        | 7    |
|         | 3.2   | Customizing UI                          | 7    |
|         | 3.3   | Sounds                                  | 8    |
| 4       | ENABI | LING PREMIUM FEATURES                   | 9    |
| 4.1 BEF |       | Before You Begin                        | 9    |
|         | 4.2 A | ADVERTISING                             | 10   |
|         | 4.2.1 | Template-specific setup                 | 10   |
|         | 4.2.2 | Easy Mobile setup                       | 10   |
|         | 4.3 I | N-APP Purchasing                        | 12   |
|         | 4.3.1 | Template-specific setup                 | 12   |
|         | 4.3.2 | Easy Mobile setup                       | 12   |
|         | 4.3.3 | Create the products for targeted stores | 14   |
|         | 4.4   | GAME SERVICE                            |      |
|         | 4.4.1 | Template-specific setup                 | . 14 |
|         | 4.4.2 | Setup for your targeted stores          | 15   |
|         | 4.4.3 | Easy Mobile setup                       | 15   |
|         | 4.5 N | NATIVE SHARING                          | 17   |
|         | 4.6 F | Push notification                       | 17   |

#### 1 INTRODUCTION



**The Rings** is a gorgeous, minimalist game that is surprisingly challenging and addictive. Arrange the rings of the same color in a diagonally or horizontally straight line to destroy it. Game ends when there's no space left to place any ring. What high score can you achieve?

The Rings is ready for release out-of-the-box. Everything just works. It is also flexible and customizable. Some highlights:

- Addictive, innovative gameplay
- Free-to-use assets (fonts, sounds, music, model, etc.)
- Optimized for mobile

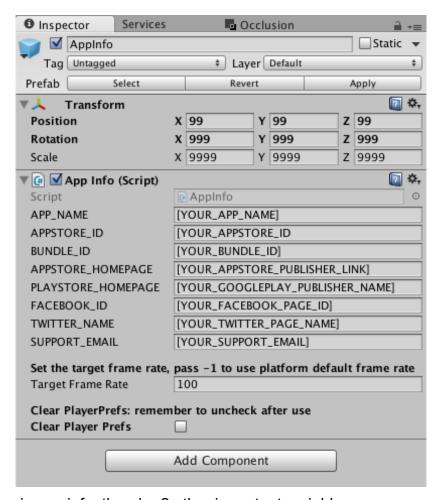
Most importantly, this template includes **Easy Mobile** plugin, making it a truly fully-featured game that is release-ready. Easy Mobile is a comprehensive, cross-platform package that provides most of desired features of mobile games:

- Support for AdMob, Chartboost, Heyzap (with mediation) and UnityAds
- In-app purchasing
- Support for Game Center (iOS) and Google Play Games Services (Android) for leaderboards and achievements
- Sharing to social networks
- Push notifications using OneSignal

#### 2 GETTING STARTED

## 2.1 Enter app information

The project contains a game object called AppInfo where you can fill in important app-related metadata like AppStore Id and Bundle Id. These values will be used for features like Rate Us button and opening Facebook or Twitter page.



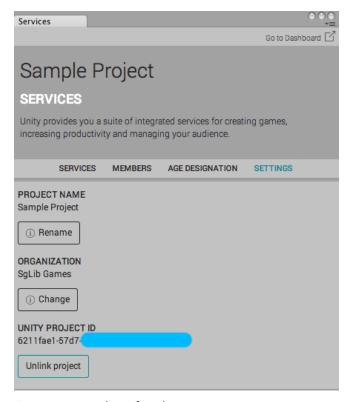
Besides basic app info, there're 2 other important variables:

- TargetFrameRate: set the target frame rate for the game, which should be at least 60fps for smooth motion.
- ClearPlayerPrefs: a convenient variable used for debugging purpose, check
  this and run the game will clear the PlayerPrefs (using
  PlayerPrefes.DeleteAll() method). It only works in the editor but it's worth
  remembering to uncheck the variable after use to avoid later confusion.

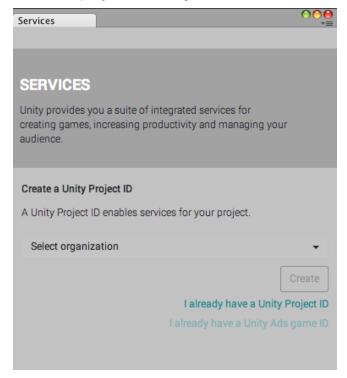
## 2.2 Link the game to your Unity project

When developing this template, we normally need to link it to our own Unity project for testing, therefore you may need to unlink it from our project and link it to your own one, if you're going to use Unity services (e.g. if you want to enable premium features of this template, you'll need to use Unity IAP service). To unlink the project:

- Select Window -> Unity Services
- Select SETTINGS tab
- Click Unlink Project button



Now you can create a new project for the game.



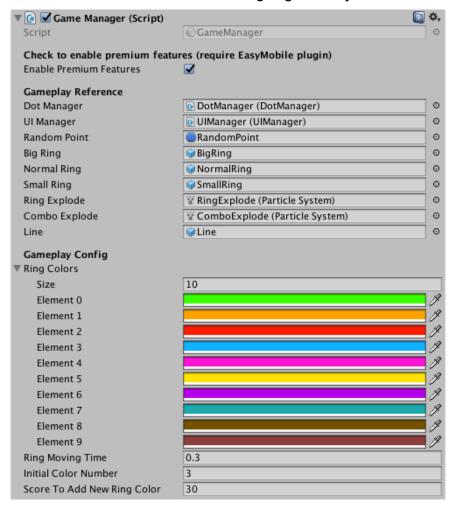
Now you game is linked to your own Unity project and is ready to use Unity services.

## 3 TEMPLATE CUSTOMIZATION

## 3.1 Gameplay tweaking

#### 3.1.1 GameManager

Most of important game parameters can be configured in the *GameManager* component, which is attached to *GameManager* game object in the hierarchy.

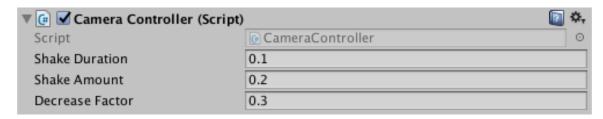


You can tweak the gameplay by modifying following variables:

- RingsColor: list of all available ring colors in the game.
- RingMovingTime: moving time of the ring when it's created or push away
- InitialColorNumber: how many ring colors available at the beginning
- ScoreToAddNewRingColor: a new ring color from the list will be added to the game whenever the player reaches a score that is multiple of this value

#### 3.1.2 CameraController

The CameraController component is attached to the Main Camera object in the hierarchy.



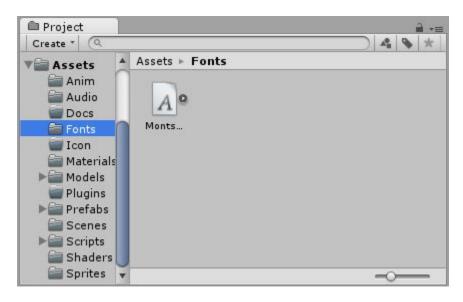
- ShakeDuration: how long the camera shaking
- ShakeAmount: amplitude of the shake, a larger value shakes the camera harder
- DecreaseFactor: the decrease value of shaking

## 3.2 Customizing UI

All sprites used in this game (for buttons and other UI components) are located under the *Sprites* folder. You can replace them with your own sprites to modify the UI as you like.

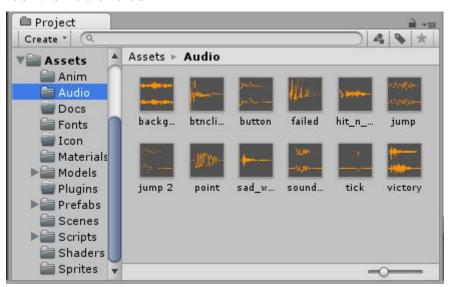


All fonts used in this game are free-to-use in commercial projects. Fonts are located under the *Fonts* folder together with appropriate license files.

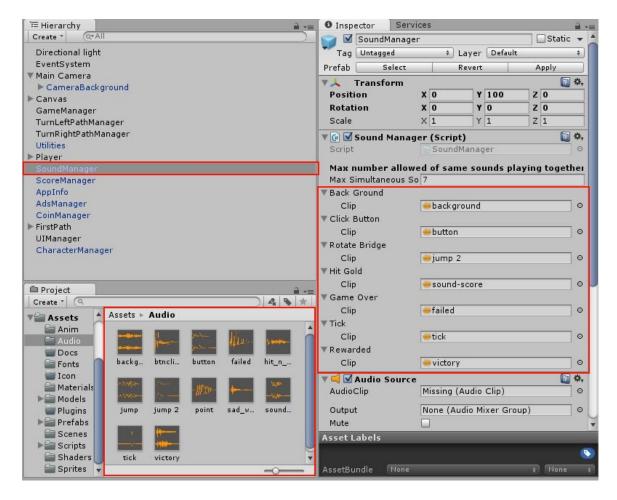


#### 3.3 Sounds

All sounds included in this game are free-to-use in commercial projects and are located under the *Audio* folder.



This game features a *SoundManager* class to manage activities in game like playing music or mute/unmute sounds. If you want to replace sounds in this game, simply drag and drop new sounds to appropriate slots in the *SoundManager* component.



#### 4 ENABLING PREMIUM FEATURES

To enable premium features of this template, you need to download and import Easy Mobile plugin from <a href="http://u3d.as/Dd2">http://u3d.as/Dd2</a>.

This section provides a guide on configuring each feature for your game. If you're not familiar with using Easy Mobile, it is strongly recommended that you read through its user guide to familiarize yourself with the plugin.

## 4.1 Before You Begin

 Make sure the EnablePremiumFeatures option in the GameManager object is checked.



Make sure to add the EasyMobile prefab to the Main scene, you can find

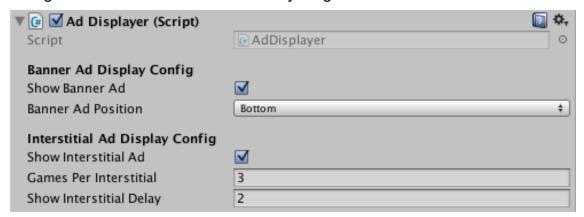
the prefab at folder *Assets/EasyMobile*. It is necessary for the plugin to function properly.

- The settings interface of Easy Mobile can be opened via menu *Window* > *Easy Mobile* > *Settings*, this is the only place to go to configure this plugin.
- In the Main scene's hierarchy, there's an object named PremiumFeaturesManager which contains all the relevant components from which you can configure how premium features behave in your game.
- Note that you won't need to write a single line of integration code for Easy Mobile to work, as the integration was done beforehand, you only need to configure the plugin in the editor (that means you can ignore all the Scripting sections in Easy Mobile user guide if you wish to).

## 4.2 Advertising

#### 4.2.1 Template-specific setup

The PremiumFeatureManager object contains a component named *AdDisplayer* which is responsible for all ads displaying activities in the game. There you can configure how ads should be served in your game.



Banner ads are configured in the **Banner Ad Display Config** section.

- Show Banner Ad: whether to show a banner ad in game
- Banner Ad Position: which position the banner should be placed

Interstitial ads are configured in the Interstitial Ad Display Config section.

- Show interstitial ad: whether to show interstitial ads when game over
- Games Per Interstitial: how many games to be played before showing ad
- Show Interstitial Delay: how many seconds after game over that ad is shown

#### 4.2.2 Easy Mobile setup

Open Easy Mobile's settings interface to start configuring its Advertising module (see its user guide for more information). With Easy Mobile you'll have support for AdMob, Chartboost, Heyzap (with mediation) and Unity Ads. You can use multiple

ad networks at once and have different configurations for iOS and Android. Below is the settings interface of the Advertising module.



You can setup the module in just a few steps as below. Please see the Advertising section in Easy Mobile's user guide for detailed instructions on each step.

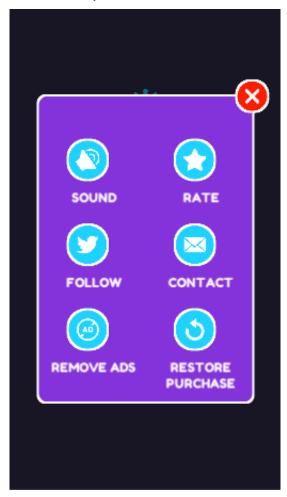
- a. Setup the ad networks you want to use, including importing the required plugins, please see Easy Mobile user guide for more information
- b. Enable auto ad-loading feature: simply leave the *Auto-Load Default Ads* option as checked and other parameters as default, the plugin will automatically load ads in the background
- c. Select default ad networks for each platform: choose your preferred network for each type of ad on each platform

That's it! Now your game is ready for showing ads!

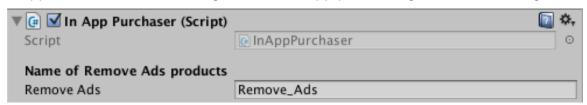
## 4.3 In-App Purchasing

## 4.3.1 Template-specific setup

The built-in in-app purchases of this template include a *Remove Ads* button, and a *Restore Purchase* button as required on iOS.



The PremiumFeaturesManager object contains a component named *InAppPurchaser* which manages all the in-app purchasing activities in this game.



Here you can change the name of the Remove Ads product if you want.

## 4.3.2 Easy Mobile setup

Setting up the In-App Purchasing module of Easy Mobile includes the following

steps. Please see the In-App Purchasing section in Easy Mobile's user guide for detailed instructions on each step.

- a. Enable Unity In-App Purchasing service
- b. Select target store if you're on Android
- c. Enable receipt validation if you wish
- d. Declare the products

Below is the settings interface of the In-App Purchasing module of Easy Mobile.



Note that the *RemoveAds* product name declared with Easy Mobile must match with the one you have in the aforementioned *InAppPurchaser* object. Also note that *Remove Ads* should be a non-consumable product.



## 4.3.3 Create the products for targeted stores

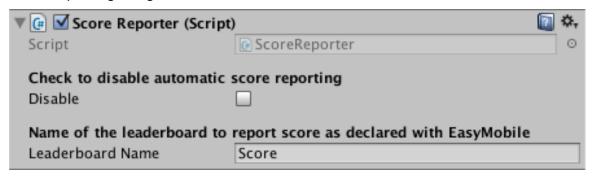
That last step in configuring the in-app purchasing feature is to create products for your targeted stores (e.g. Google Play and Apple App Store). Make sure the product ID, product type and price match the ones you have in your game.

#### 4.4 Game Service

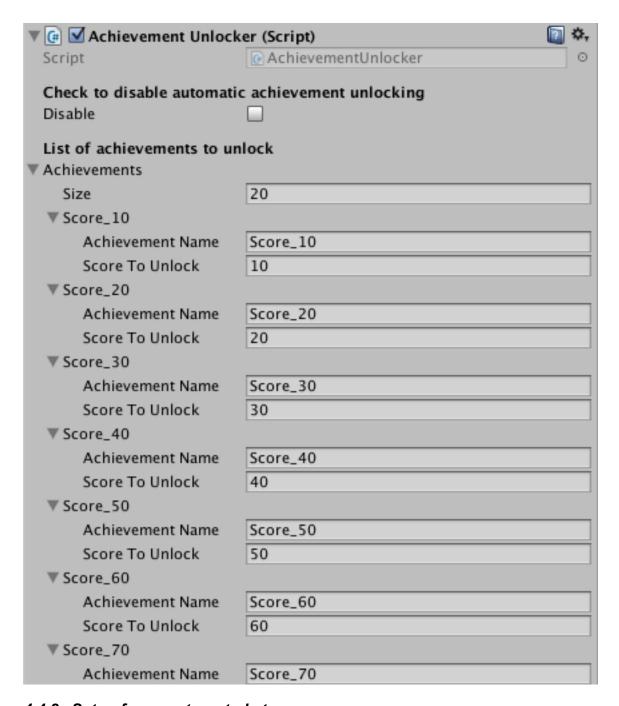
### 4.4.1 Template-specific setup

This template has a built-in leaderboard for ranking users' scores, and many achievements. It works with Game Center (iOS) and Google Play Game Services (Android).

User's score will be submitted automatically when game over by a component named *ScoreReporter*, which is also attached to PremiumFeaturesManager object. There you can change the leaderboard name or even disable automatic score reporting altogether.



Achievements will be unlocked automatically when the user reaches a certain score. The achievement unlocking is handled by the component named *AutoAchievementUnlocker*. In this component, you can modify existing achievements and add or remove achievements. You can also disable the automatic achievement unlocking feature if you wish.



## 4.4.2 Setup for your targeted stores

The next step is to create the required leaderboard and achievements for your targeted stores (i.e. in iTunes Connect for App Store and the Developer Console for Google Play). Take note of their IDs for use in the next step.

#### 4.4.3 Easy Mobile setup

Setting up the Game Service module of Easy Mobile includes the following steps.

Please see the Game Service section in Easy Mobile's user guide for detailed instructions on each step.

- Import Google Play Games plugin for Unity and setup it if you're targeting Android
- Enable the automatic initialization feature: just leave everything under the AUTO-INIT CONFIG section as default
- c. Declare the leaderboards and achievements

Below is the settings interface of the Game Service module of Easy Mobile.

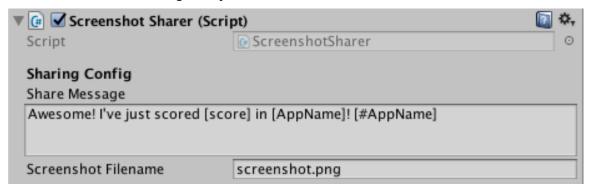


Note that you must declare the leaderboard and achievements with the same names as the ones you have in the *AutoScoreReporter* and *AutoAchievementUnlocker* components. Also their IDs must match the ones you

created in iTunes Connect and Google Play Developer Console.

## 4.5 Native Sharing

This template has a Share button that allows the user to share the game's screenshot to social networks using the native sharing functionality. This activity is managed by a component named *ScreenshotSharer*, which is also attached to the PremiumFeaturesManager object.



Here you can configure the sharing feature.

- Share Message: the default sharing message, note that [score] will be automatically replaced by actual score, and [AppName] will be replaced by the app name declared in AppInfo
- Screenshot Filename: filename to store the screenshot in the device storage

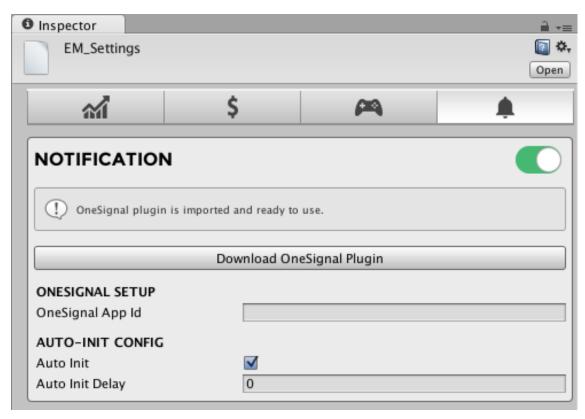
Note that you need to enable the *external write permission* for this feature to function properly on Android. Please see the Native Sharing section in Easy Mobile user guide for detailed instructions on doing that.

#### 4.6 Push notification

Enabling push notification for your app using OneSignal service includes following steps. Please see the Notification section in Easy Mobile user guide for detailed instructions on each step.

- · Open the Notification tab in Easy Mobile's settings interface
- Import OneSignal plugin
- Prepare your app for push notifications, e.g. enable the Push Notification capability for the provisioning profile on iOS (please see Easy Mobile user guide as well as OneSignal documentation for detailed instructions).
- Add your app to OneSignal dashboard
- Enter your app ID to Easy Mobile settings in Unity

Below is the settings interface of the Notification module of Easy Mobile after importing OneSignal plugin and you can enter your app ID.



That's it! You've just finished implemented premium features for your game!

## THANK YOU AND GOOD LUCK WITH YOUR GAMES!