

### Training and Consultancy

# Use 'Drawing with Stars' app to create pattern and pictures with a switch.



# A step-by-step guide to creating simple switch recipes with IOS 9

Apple introduced switch access to the iPad with the release of IOS 7. Since that time, Apple have added more features to widen the number of applications that can be operated with a switch.

In IOS 9, Apple introduced 'switch recipes' which enable you to program how the switch will respond when pressed. In this step-by-step guide, we'll look at how to create a switch recipe which will write a name or draw a simple picture when the switch is activated.

#### **Connecting a switch**

You'll need a switch for your iPad. We currently recommend the Ablenet Blue2 switch which connects to your device using Bluetooth however other solutions are available from vendors. While this guide has been written with a Blue2 switch, it can be used with any switch connected to the iPad and registered in the switch settings.

Connect your switch in the usual way. If you're not sure how to do this, please follow the instructions from your switch / switch interface manufacturer.

There is a short video showing you how to connect and set up a Blue2 switch on our web site:

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#### **Switch Recipes**

Switch recipes are simple programs which tell the iPad how to respond when the switch pressed. For example you the app you are using may require the user to draw a circle or tap the screen three times. All of this is achievable with switch recipes.

#### **Getting Started**

Touch the 'SETTINGS' icon followed by 'GENERAL' from the list on the left side of your iPad. Now touch 'Accessibility' from the right side panel and scroll down to the 'INTERACTION' section and touch 'SWITCH CONTROL'

#### You should see this screen.

iPad ᅙ		11:01		\$ 83% 📼
	Settings	Accessibility	Switch Control	
Ø	General	Switch Control		$\bigcirc$
AA	Display & Brightness	Switch Control allows you to use	your iPad by sequentially highlighting	n items on the screen
*	Wallpaper	that can be activated through an		,
<b>(()</b>	Sounds	Svitches		2 >
A	Passcode	Recipes		4 >
	Battery			
	Privacy	Scanning Style		Manual >
		TIMING		
	iCloud ian@ianbean.co.uk	Auto Hide		15s >
$\bigcirc$	App and iTunes Stores	Move Repeat		Off >
		Long Press		Off >
	Mail, Contacts, Calendars			
	Notes	Tap Behaviour		Default >
	Reminders	Always Tap Keyboard Key	s	$\bigcirc$
	Messages			
	FaceTime	SWITCH STABILISATION		

If your switch(es) have been connected correctly, you'll see them in the menu list. Select 'RECIPES'. You should see this screen.

iPad ᅙ		11:03		\$ 82% 💻
	Settings	Switch Control	Recipes	Edit
Ø	General	RECIPES		
AA	Display & Brightness	Turn Pages		>
	Wallpaper	lanwrite		>
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A	Passcode	hello world		>
	Battery	SENICT		>
	Privacy	Create New Recipe		>
	iCloud ian@ianbean.co.uk	their normal actions. Recipe	ed actions you can temporarily assign to s can perform frequently repeated or con 300ks, or triggering controls in games. Yo a recipe.	nplex actions within
$\bigcirc$	App and iTunes Stores	Launch Recipe		SENICT >
	Mail, Contacts, Calendars Notes Reminders Messages FaceTime			

Touch 'CREATE NEW RECIPE'.

iPad ᅙ			11:02 * 8	3% 🔳
	Settings	Recipes	New Recipe	
Ø	General	Name	SENICT	
AA	Display & Brightness	Hume		
*	Wallpaper	SWITCHES		
<b>(</b> ))	Sounds	Assign a		>
A	Passcode		must have at least one switch assigned to it.	
	Battery	TIMEOUT		
1	Privacy	Timeout	U	
		When a time have been a	eout is specified, Switch Control will automatically exit the recipe if no switches activated for the length of the timeout.	
0	w e r	t	y u i o p <	×
	a s d f	g	h j k l return	
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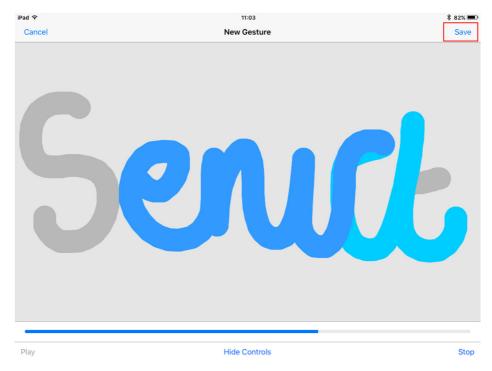
Touch 'NAME' and type a name for your recipe. I've chosen SENICT. Close the keyboard and touch 'ASSIGN A SWITCH'. You see this.

iPad 🤶		11:02	2		* 83% 🔳
	Settings	K New Recipe		Assign a Switch	
Ø	General	SWITCHES			
AA	Display & Brightness	blue2a			>
*	Wallpaper	Blue2b			>
<b>(</b> ()	Sounds				
A	Passcode				
	Battery				
	Privacy				
	iCloud ian@ianbean.co.uk				
A	App and iTunes Stores				
	Mail, Contacts, Calendars				
	Notes				
	Reminders				
	Messages				
	FaceTime				

Choose the switch you are using from the list. The Blue2 has two switches so I am choosing switch one. Another screen will open.

iPad ᅙ		11:33		* 77% 📼
	Settings	Kassign a Switch	blue2a	
<b>?</b>	Wi-Fi BTHub3-43R5	ACTIONS		
*	Bluetooth On	Tap Middle of Screen		
		Right to Left Swipe		
	Notifications	Left to Right Swipe		
	Control Centre	Custom Gesture		
C	Do Not Disturb	Exit Recipe		
		Select Item (with Auto Sc	anning)	
Ø	General			
AA	Display & Brightness			
	Wallpaper			
<b>N</b>	Sounds			
A	Passcode			
	Battery			
	Privacy			
	iCloud ian@ianbean.co.uk			

This is a list of pre-set gestures that you can assign to the switch. We want to create our own gesture so we'll touch 'Custom GESTURE'. You'll see this.



Use this screen to draw the shape or word you want to create. I've written senict but an shapes or patterns will work just as well. Touch 'RECIPES' at the top of the screen.

iPad 🗢	11:02		\$ 83% 🔳
Settings	Recipes	New Recipe	

#### You'll see this screen.

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	Settings	•	Switch Control	Recipes	Edit
🙆 Gene	eral		RECIPES		
AA Disp	lay & Brightness		Turn Pages		>
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iCloι ian@ia	ud anbean.co.uk		their normal actions. Recipe	sed actions you can temporarily assign to as can perform frequently repeated or co Books, or triggering controls in games. Y f a recipe.	mplex actions within
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Choose 'LAUNCH RECIPE'. You'll see this.

iPad ᅙ		11:03		\$ 82% 💻
	Settings	Recipes	Launch Recipe	
Ø	General	None		
AA	Display & Brightness	Turn Pages		
*	Wallpaper	lanwrite		
<b>(</b> ))	Sounds	beans		
A	Passcode	hello world		
	Battery	SENICT		~
	Privacy		will be applied automatically when Switch Control starts.	
	iCloud ian®ianbean.co.uk App and iTunes Stores			
	Mail, Contacts, Calendars Notes Reminders Messages	Ν		
	FaceTime			

Choose the name of the custom gesture you have just saved.

Mine is called SENICT.

This will take you back to the recipes screen.

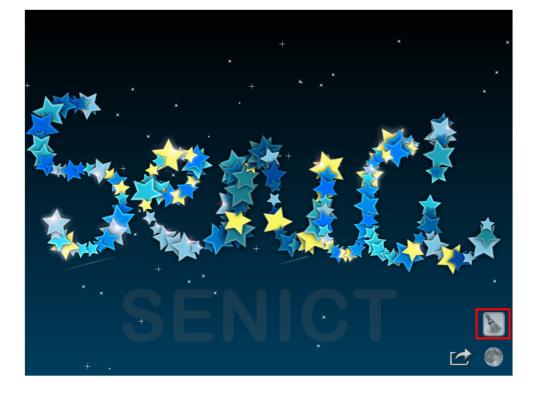
Touch 'RECIPES'									
iPad 후	Settings	11:02	New Recipe	≵ 83% 🗩					
and on the next page 'SWITCH CONTROL'									
iPad 🗢		11:03		\$ 82% 🔳					
	Settings	Switch Control	Recipes	Edit					
and on the next page Touch 'ACCESSIBILITY' and then close the Settings.									
ipad 🗢	Settings	11:01	Switch Control	∲ 83% <b>■</b> )					

Load 'Drawing with Stars' app and then turn on switch access. Three fast clicks of the HOME button if you are using accessibility shortcuts.

You'll see this message to say that your recipe will be used with the switch.



That's it. Touch the sweeping brush to turn on draw and remove. Press your switch and watch how your pattern is drawn on the screen, press it again and all of the stars will be removed.



We hope you have enjoyed using this step-by-step guide. You can find more like this on our web site.

### http://www.ianbean.co.uk/resources/docstore

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