



**Makers Making
Change**
A Neil Squire Program



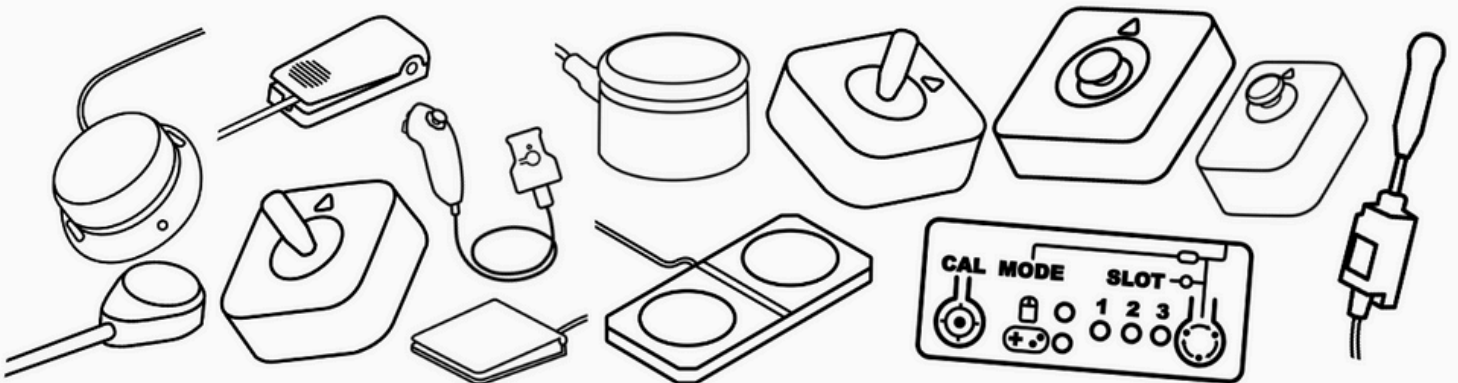
Neil Squire

Version 1.0

GAME

KIT

Tier Breakdown



Creating a space where every player's voice matters



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Kit Tier Summary

	LITE	STANDARD	DELUXE
JOYSTICKS (PLUS TOPPERS)	2	4	9
ASSISITVE SWITCHES	6	13	22
GAMING TRAY	1	2	2
MAGIC ARM	1	1	2
SWITCH INTERFACE	0	0	1
CABLE ORGANIZATION	Included	Included	Included

A full checklist of the exact devices in each tier can be found in the sections below.



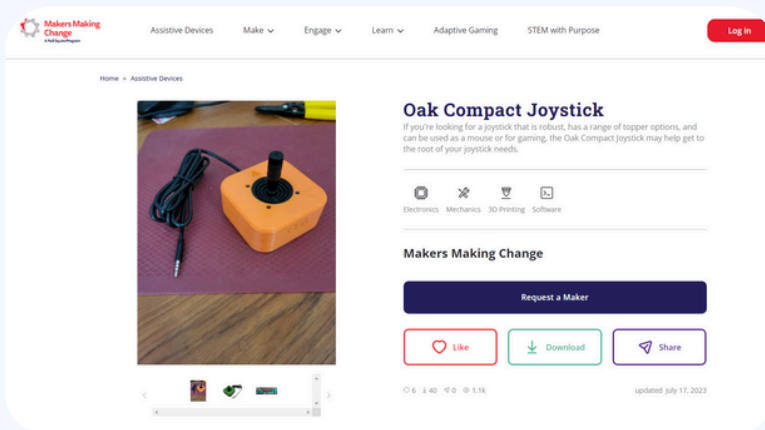
Checklist Usage

How to use these checklists

Each device will include a link and QR code to either the Makers Making Change page or the manufacturer's site. For Makers Making Change devices, the page provides the latest user guide and all open-source files. For commercial devices, the link will take you to the manufacturer's site. Follow the steps below to use the checklist for more detailed device information.

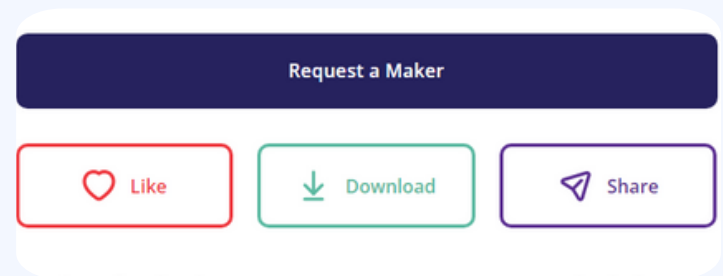
STEP 1 - Get to device page

- Sign up for Makers Making Change.
- Scan the QR code or copy the link to the device.
- This page includes a summary of the device info.



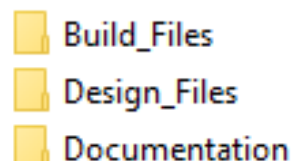
STEP 2 - Download files

- Find and click the "Download" button on the device page.
- This will download a .ZIP file of all of the build files and documentation of the device.
- Extract the .ZIP file.



STEP 3- Finding what you need

- Inside of the extracted .ZIP file there will be a several folders.
 - If looking for instructions on how to use the device, navigate to the documentation folder and look for the device user guide.
- You will also find all of the necessary files to build the device in the folder as well if that is needed.





GAME

KIT

Checklist

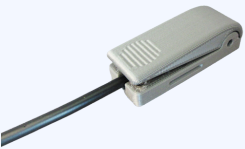
Lite

Makers Making Change Assistive Tech

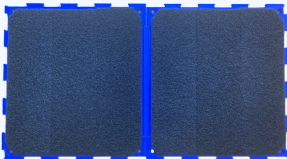
Adaptive Joysticks

Qty	AT Device	Photo	QR Code/Link
1	Oak Compact Joystick + set of toppers		 https://tinyurl.com/oakjoy
1	Spruce Mini Joystick + set of toppers		 https://tinyurl.com/sprucejoy

Assistive Switches

Qty	AT Device	Photo	QR Code/Link
1	Interact Switch		 https://tinyurl.com/interactswitch
1	MMC60 Switch		 https://tinyurl.com/mmc60switch
1	Raindrop Switch		 https://tinyurl.com/raindropswitch
2	Light Touch Switch		 https://tinyurl.com/lighttouchswitch
1	Low Profile Switch		 https://tinyurl.com/Lowswitch

Mounting

Qty	AT Device	Photo	QR Code/Link
1	Hook and Loop Tray		Not available at the moment. This kit you received has a prototype of our Hook and Loop Tray. If you need more, please contact us directly.

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Mounting & Organization

Qty	AT Device	Photo	QR Code/Link
1	11 Inch Magic Arm		 https://tinyurl.com/magicarmmount
8	Reusable Cable Ties		 https://tinyurl.com/cabletieorg
8	Cable Labels		 https://tinyurl.com/cablelabelorg
n/a	2" Wide Adhesive Hook Tape (rough side only)		 https://tinyurl.com/hooktape

Compatibility

Adaptive Controllers

	Adaptive Controller Compatibility		
GAME Kit Device	Xbox Adaptive Controller	PlayStation Access Controller	Hori Flex Controller
All Assistive Switches	Yes	Yes	Yes
Joysticks with a TRRS cable* (Oak, Spruce)	Yes	Yes	No

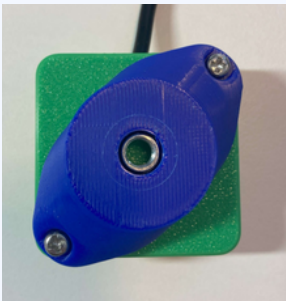
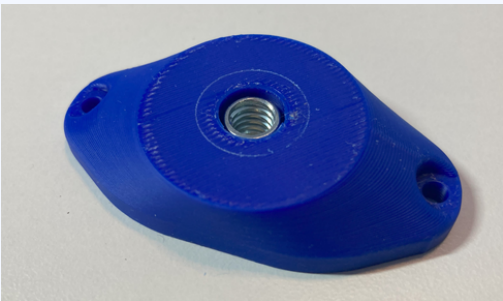
*TRRS cables are commonly referred to as “AUX Cables”. See the image for reference.



Mounting

GAME Kit Device	Magic Arm (or any mount using a 1/4-20 UNC thread)
MMC60 Switch	Yes
Oak and Spruce Joysticks	Yes*
All other devices in the kit	No

*These joysticks need to have the included mounting adapter attached before they are compatible with 1/4-20 UNC mounts. See adapter below:



There are bolts included to attach the adapter to the joystick.



GAME

KIT

Checklist

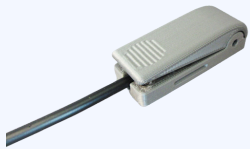
Standard

Makers Making Change Assistive Tech

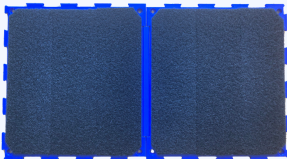
Adaptive Joysticks

Qty	AT Device	Photo	QR Code/Link
1	Oak Compact Joystick + set of toppers		 https://tinyurl.com/oakjoy
1	Spruce Mini Joystick + set of toppers		 https://tinyurl.com/sprucejoy
1	Aspen Sliding Joystick + set of toppers		 https://tinyurl.com/aspenjoy
1	Ivy Joystick Adapter		 https://tinyurl.com/ivyjoystick

Assistive Switches

Qty	AT Device	Photo	QR Code/Link
2	Interact Switch		 https://tinyurl.com/interactswitch
2	MMC60 Switch		 https://tinyurl.com/mmc60switch
3	Raindrop Switch		 https://tinyurl.com/raindropswitch
3	Light Touch Switch		 https://tinyurl.com/lighttouchswitch
2	Low Profile Switch		 https://tinyurl.com/Lowswitch
1	Rocker Switch		 https://tinyurl.com/rockersw

Mounting

Qty	AT Device	Photo	QR Code/Link
2	Hook and Loop tray		Not available at the moment. This kit you received has a prototype of our Hook and Loop Tray. If you need more, please contact us directly.

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Mounting & Organization

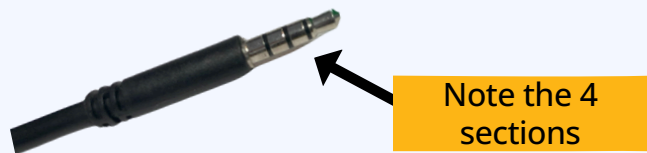
Qty	AT Device	Photo	QR Code/Link
1	11 Inch Magic Arm		 https://tinyurl.com/magicarmmount
17	Reusable Cable Ties		 https://tinyurl.com/cabletieorg
17	Cable Labels		 https://tinyurl.com/cablelabelorg
n/a	2" Wide Adhesive Hook Tape (rough side only)		 https://tinyurl.com/hooktape

Compatibility

Adaptive Controllers

	Adaptive Controller Compatibility		
GAME Kit Device	Xbox Adaptive Controller	PlayStation Access Controller	Hori Flex Controller
All Assistive Switches	Yes	Yes	Yes
Joysticks with a TRRS cable* (Oak, Spruce, Aspen)	Yes	Yes	No
USB Joysticks or Switch Interfaces (Ivy)	Yes	No	No

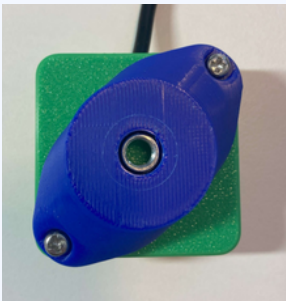
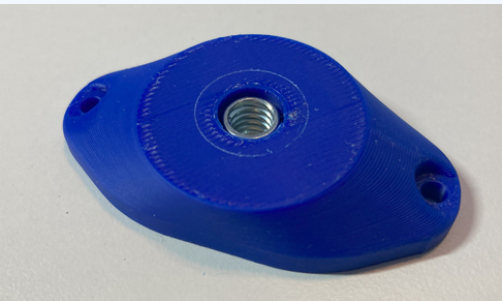
*TRRS cables are commonly referred to as “AUX Cables”. See the image for reference.



Mounting

GAME Kit Device	Magic Arm (or any mount using a 1/4-20 UNC thread)
MMC60 Switch	Yes
Oak, Spruce, and Aspen Joysticks	Yes*
All other devices in the kit	No

*These joysticks need to have the included mounting adapter attached before they are compatible with 1/4-20 UNC mounts. See adapter below:



There are bolts included to attach the adapter to the joystick.



**Makers Making
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GAME

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Checklist

Deluxe

Makers Making Change Assistive Tech

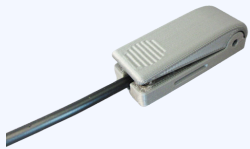
Adaptive Joysticks

Qty	AT Device	Photo	QR Code/Link
2	Oak Compact Joystick + set of toppers		 https://tinyurl.com/oakjoy
2	Spruce Mini Joystick + set of toppers		 https://tinyurl.com/sprucejoy
2	Aspen Sliding Joystick + set of toppers		 https://tinyurl.com/aspenjoy
1	Cedar Integrated Joystick		 https://tinyurl.com/cedarjoy
2	Ivy Joystick Adapter		 https://tinyurl.com/ivyjoystick

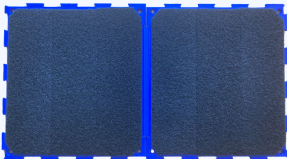
Switch Interface

1	Forest Hub		 https://tinyurl.com/foresthub
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Assistive Switches

Qty	AT Device	Photo	QR Code/Link
4	Interact Switch		 https://tinyurl.com/interactswitch
4	MMC60 Switch		 https://tinyurl.com/mmc60switch
4	Raindrop Switch		 https://tinyurl.com/raindropswitch
4	Light Touch Switch		 https://tinyurl.com/lighttouchswitch
4	Low Profile Switch		 https://tinyurl.com/Lowswitch
1	Rocker Switch		 https://tinyurl.com/rockersw
1	Wobble Switch		 https://tinyurl.com/wobbleswitch

Mounting

Qty	AT Device	Photo	QR Code/Link
2	Hook and Loop tray		Not available at the moment. This kit you received has a prototype of our Hook and Loop Tray. If you need more, please contact us directly.

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Mounting & Organization

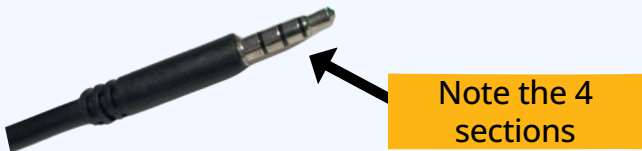
Qty	AT Device	Photo	QR Code/Link
2	11 Inch Magic Arm		 https://tinyurl.com/magicarmmount
32	Reusable Cable Ties		 https://tinyurl.com/cabletieorg
32	Cable Labels		 https://tinyurl.com/cablelabelorg
n/a	2" Wide Adhesive Hook Tape (rough side only)		 https://tinyurl.com/hooktape

Compatibility

Adaptive Controllers

	Adaptive Controller Compatibility		
GAME Kit Device	Xbox Adaptive Controller	PlayStation Access Controller	Hori Flex Controller
All Assistive Switches	Yes	Yes	Yes
Joysticks with a TRRS cable* (Oak, Spruce, Aspen)	Yes	Yes	No
USB Joysticks or Switch Interfaces (Cedar, Ivy, Forest Hub)	Yes	No	No

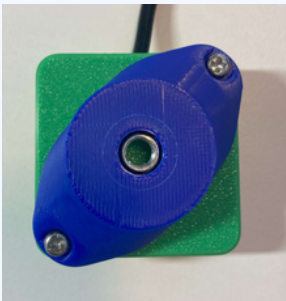
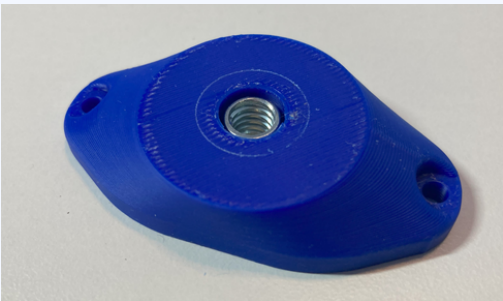
*TRRS cables are commonly referred to as “AUX Cables”. See the image for reference.



Mounting

GAME Kit Device	Magic Arm (or any mount using a 1/4-20 UNC thread)
MMC60 Switch, Wobble Switch	Yes
Oak, Spruce, Cedar, and Aspen Joysticks	Yes*
All other devices in the kit	No

*These joysticks need to have the included mounting adapter attached before they are compatible with 1/4-20 UNC mounts. See adapter below:



There are bolts included to attach the adapter to the joystick.



GAME KIT Guide

Example

The GAME Kit Guide includes a brief overview of adaptive gaming, a summary of best practices, and five example setups. Below is one of the examples from the booklet, included here as a reference to show what you can expect.

Example 1

1 Joystick With 2 Switches

Introduction

- **Game:** EA Sports FIFA 23 [GENRE: Sports game]
- **Genres with similar input levels:** Platformers, racing games, point and click
- Controls are shown for Xbox Adaptive Controller (XAC)

Determining Inputs

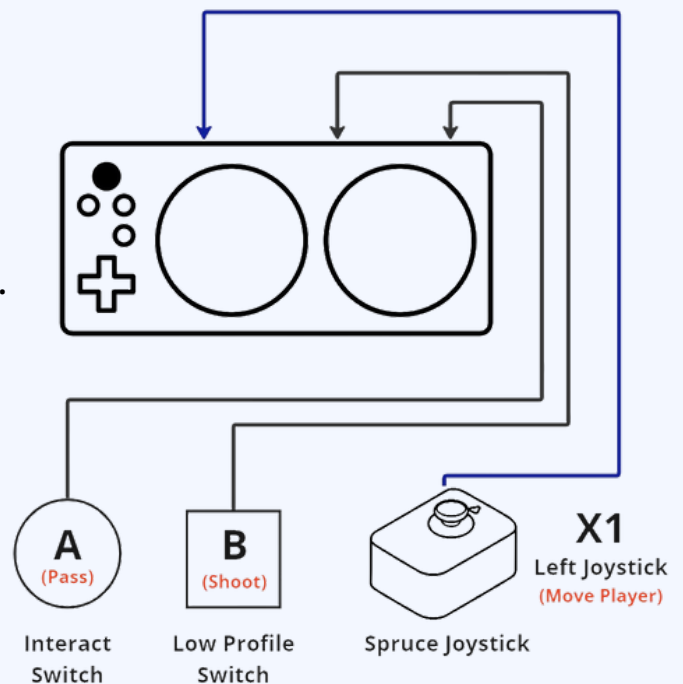
This example set up is the most simple and often familiar to most as it is similar to arcade like systems. A larger style joystick (Oak) was chosen with two larger sized assistive switches. This setup may be difficult for those with limited strength and range of motion.

AT Device	Port on Xbox Adaptive Controller	Control in Game
Oak Compact Joystick	X1	Move Player
Interact Switch	A	Pass
Low Profile Switch	B	Shoot

Example 1 Cont.

Positioning Switches and Joysticks

- The joystick and switches are all placed on a hook and loop mat.
- The XAC controller is placed behind the AT to help manage cables.
- Two large switches are chosen for easy targeting when looking to pass or shoot.



Adjusting Game Settings

- FIFA 23 by default uses many inputs for different types of passing, shooting, dribbling, etc. In this example, we turned on “two-button mode” in the game settings to limit the amount of AT needed for the demo.
 - FIFA and most games in the sports genre offer a setting in controls to simplify controls to the main components of the sport.

Play and Adjust

- The difficulty of the opponent player can also be set to the easiest setting for players unfamiliar with the game or using the AT.
- FIFA also offers a practice mode that can be useful for game demos.
- Two player or single player modes are an option as well. Setting up two stations with different AT can be a great way to demonstrate the customization of an adaptive gaming set up.