SMARTfit®

Seize The Now!

Technical Service Manual

Rev 08192019

SMARTfit
Mini

SMARTfit
Trainer

Table of Contents

System Settings and Operations

Turn a System On and Off:

1. Confirm that the power cord is plugged into the CPU and a power source.

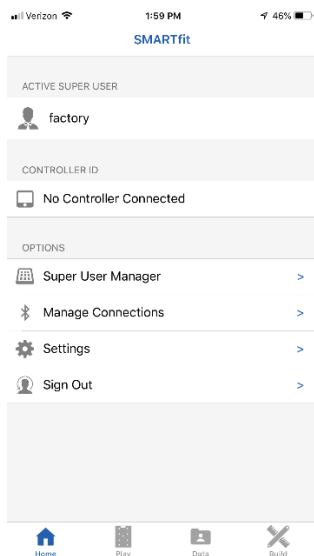2. Confirm that the target wire is plugged into the top port of the CPU.

3. Flip the toggle switch to the on position. This switch will be located on the CPU when utilizing a Single or Mini installed on the wall. The same switch will be located on the side frame when utilizing a portable Mini and Single.
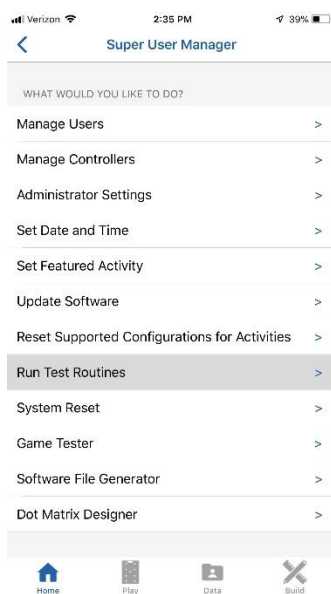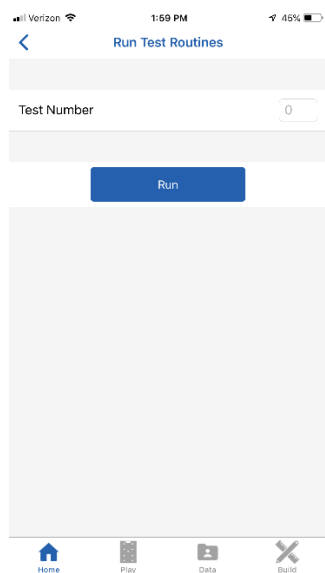
Testing the Speaker Volume:

1. Sign into username: Factory and Password: 07041776

2. Connect the SMARTfit App to the system.
3. Select a super user manager tab
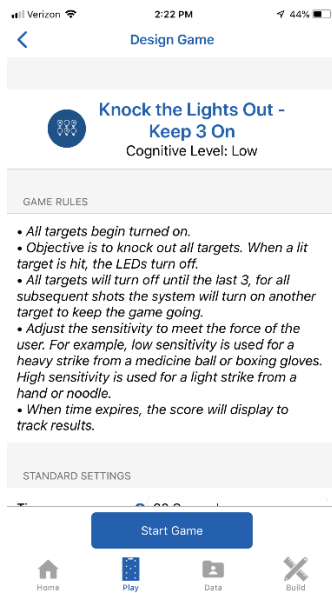4. Select run test routines.

5. Type in test number 3
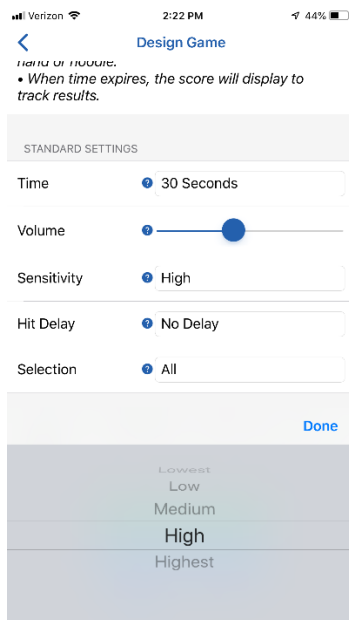

6. You will hear the CPU audio say 1 followed by a game tone. This will repeat four more times, while progressively getting louder each time. After the 5th game tone, you will hear a pause of silence followed by the number 1. During the pause, you do not want to hear any crackling or static noise.
7. Please contact our customer service line if you hear any static or crackling.

Testing a Target Sensor:

1. Connect the SMARTfit App to the system.
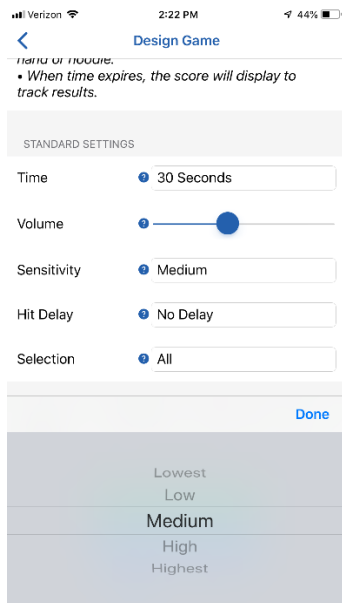2. Select the category labeled Knock the Lights Out – Race.

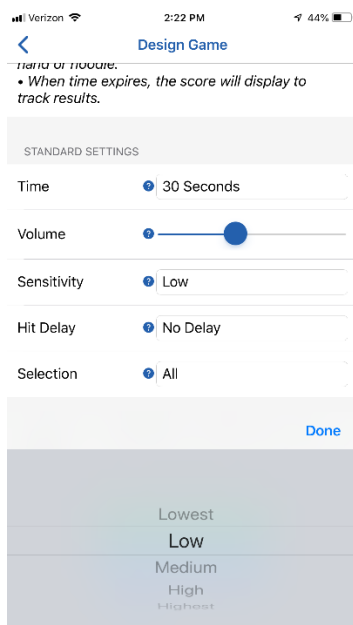3. Change the Game Sensitivity to High, then select the Start Game button.

4. Tap each lit target to end the game.
5. Confirm that each target registers a successful strike according to the target struck.

6. Change the game sensitivity to Medium, then select the Start Game button. This sensitivity will require more force during each strike.

7. Tap each lit target to end the game.
8. Confirm that each target registers a successful strike according to the target struck.
9. Change the game sensitivity to low, then select the Start Game button. This sensitivity will require even more force during each strike.
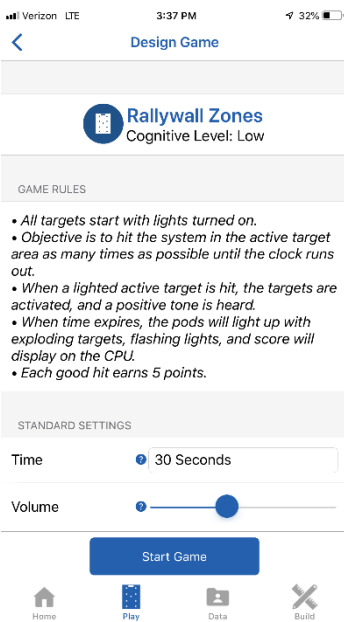

10. Tap each lit target to end the game.

11. Confirm that each target registers a successful strike according to the target struck.

<u>Testing the Target LEDs:</u>

1. Connect the SMARTfit App to the system.

2. Select the category labeled Rallywall, then select the start game button.
3. Look at each lit target, while checking for LED's that are missing, flickering, or multicolored. All target LED's should be a single color and without any missing or flickering lights.

4. If a target is showing one of the signs mentioned above, then please contact our customer service line.

Troubleshooting Guide

Changing the RF Channel for a Wireless Target:

1. Confirm that each SMARTfit battery is turned on. You'll see a bright white light on the battery to indicate it is turned on.

2. Look at the tab located under the battery. This tab will match the color of your current strike pod.

3. Hold the tab down and do not release it until you see the target display a T # and C #. You should release the tab when this displays on the target.

4. The target will first display a T followed by a #. This number stands for the target number. Do not press the tab yet.

5. Moments later there will be a C followed by a number. This number stands for the channel number. Press the button once to change the channel number. There are 4 channel options.

6. Repeat this process for all strike pods, so that each one has the same channel number.
7. Once complete, restart each strike pod by turning them off and on again.

Changing the Target Number for a Wireless Target:

1. Make sure your SMARTfit battery is turned on. You'll see a bright white light on the battery to indicate it is turned on.

2. Look at the tab located under the battery. This tab will match the color of your current strike pod.

3. Hold the tab down and do not release it until you see the target display a T # and C #, then you can release the tab.

4. The target will display a T followed by a #. This number stands for the target number. Press the button once to change the target number. There are 31 target number options. Each strike Pod should have a different target number from each other.

5. Moments later there will be a C followed by a number. This number stands for the channel number. Do not press the tab at this time.
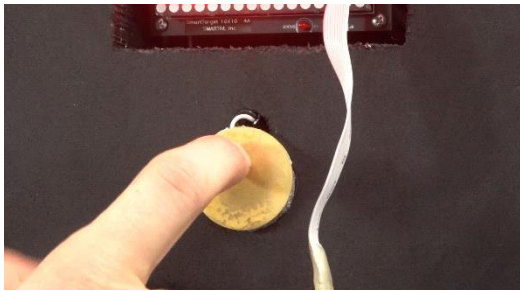

6. Once complete, restart the strike pod by turning it off and on again.
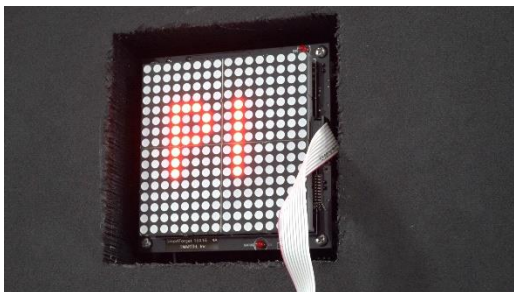
<u>Readdressing a Wired Target:</u>

1. Take off the panel cover(s) on the Mini/Single system.

2. Turn on the CPU, then immediately and continuously tap the sensor connected to the target you wish to readdress.
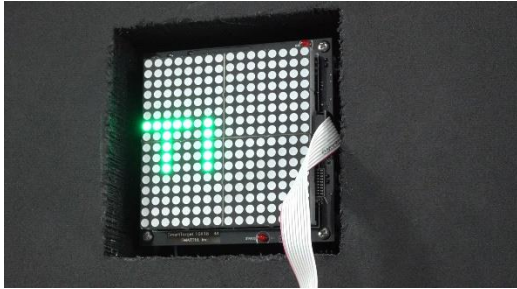

7. If done properly, you will see the target display a P followed by a 1. This stands for the panel number. Tap the sensor once to change the panel number. There are 4 panel number options. Each target should be set to panel 1.

8. If by accident, the P changed to a different number, then tap the sensor through P4 until P1 is shown.

9. After a few moments, you will see the letter T followed by a number. This stands for the target number. Tap the sensor once to change the target number. There are 31 target number options. Each target should have a different target number from each other.

10. You will Immediately tap the target sensor until it reads the desired Target number. If by accident, changed the T number passed the desired number, then keep tapping up to T31, and back to the desired target number.

11. Restart the CPU to confirm that all targets are assigned properly.
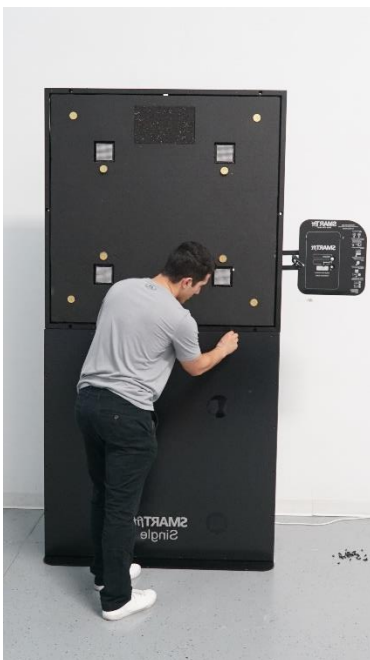
Securing the Panel Cover:

1. Mini: Move the panel to the lowest height, then attach the cover onto the panel. Secure each screw about ¾ of the way.

2. Apply direct constant pressure to the center of the panel. Hold this pressure while fully securing all 3 screws in each corner of the panel, then fully tighten the two remaining screws at the middle point of all 4 sides of the cover. This sequence of tightening the screws will eliminate the chance of air bubbles forming underneath the panel cover.
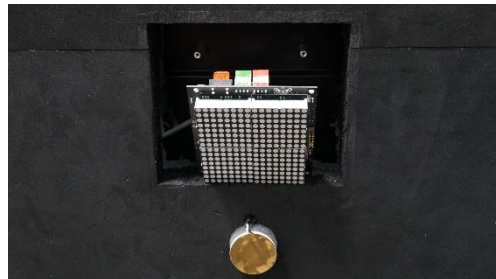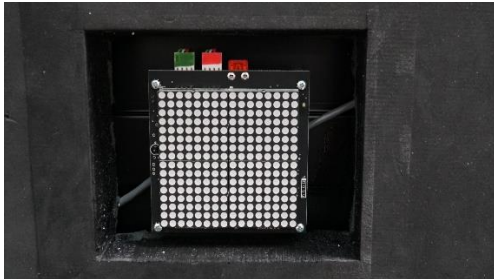

3. Follow the same steps mentioned above when replacing the covers onto the SMARTfit Single. First reinstall the bottom panel followed the top panel.
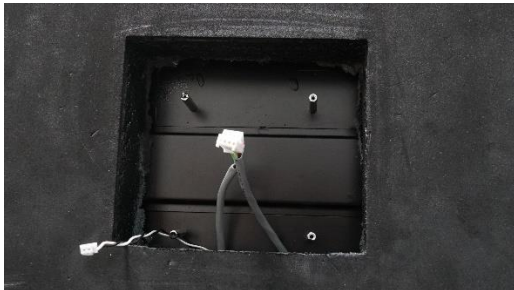
System Repairs and Electronics Part Replacements
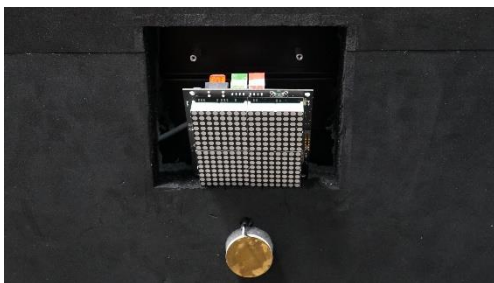
Replacing a wired Target:

1. Make sure the system's power is off.
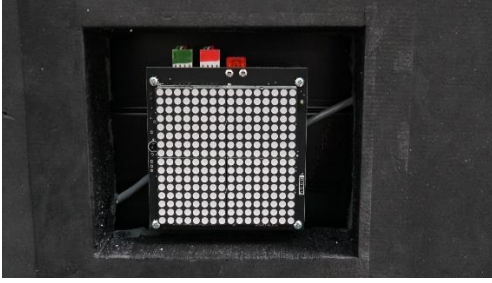2. Remove all 4 Philips screws from the desired target.

3. Remove all 3 wires connected to the target and place the target in a safe location.

4. Attach all 3 wires to the new target in the same way the previous target was secured.

5. Turn on the system and connect the SMARTfit App.
6. Test the target by confirming that it lights up and operates correctly within a game category.
7. Turn the system's power off.
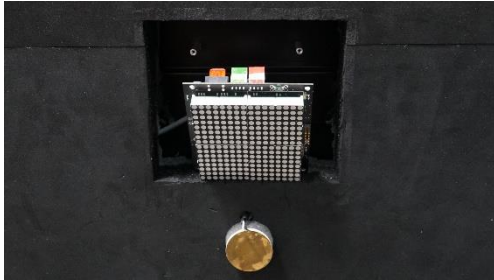8. Secure the 4 Philips screws, then secure the panel cover.

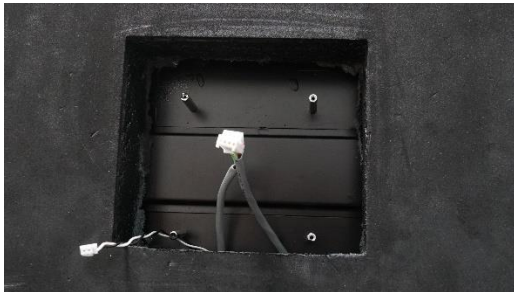9. Test the target one more time while the panel cover is secured.

Replacing a Target Sensor:

1. Make sure the system's power is off.
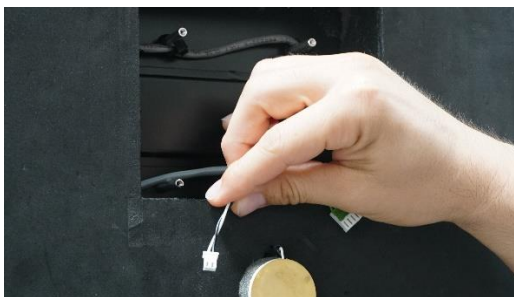2. Remove 4 Philips screws from the desired target.

3. Remove all 3 wires connected to the target and place it in a safe location.

4. Remove the sensor from the styrofoam by cutting the foam piece connected to both the sensor and Styrofoam.
5. Pull the sensor away from the panel, so that the wire follows.
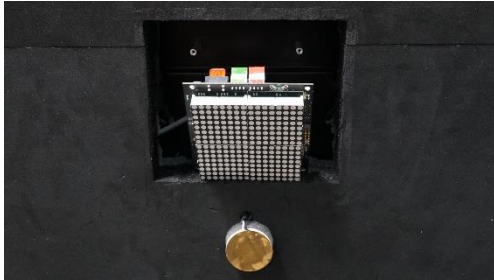

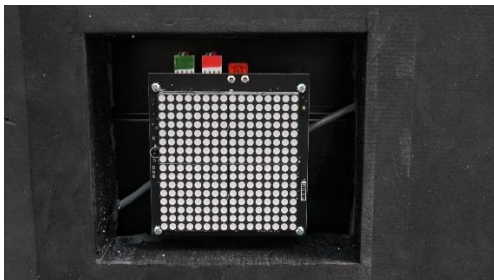6. Place the new sensor wire into the same hole, exactly as the previous wire was secured.

7. Stick the foam piece onto the same spot on the Styrofoam as before.

8. Attach all 3 wires to the new target in the same way the previous target was secured.
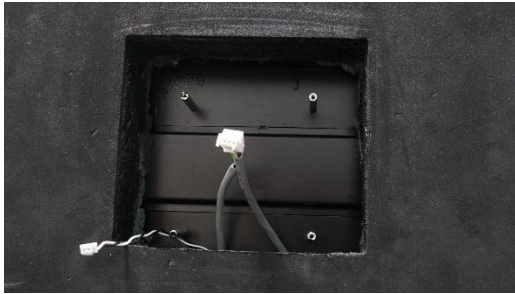

9. Turn on the system and connect the SMARTfit App.
10. Test that the target sensor reads correctly within a game category.
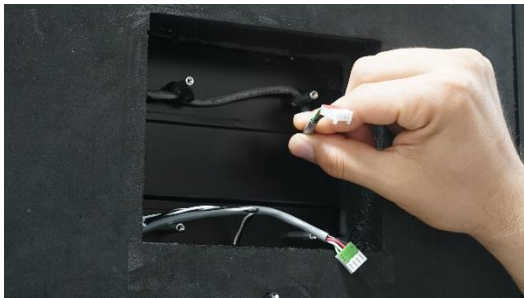11. Secure the 4 Philips screws, then secure the panel cover.

12. Test the target one more time while the panel cover is secured.
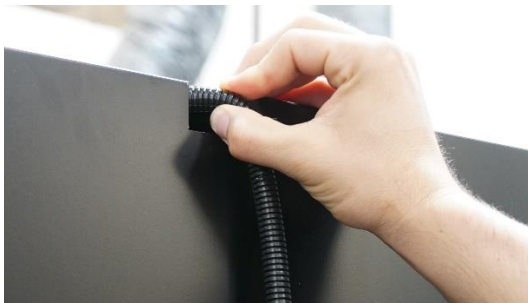
Replacing a Target Wire:

1. Remove the target that is connected to the wire you wish to replace. In this example, we are replacing the target wire connected at target 1 and the CPU.

2. Tape the new target wire to the end of the wire you wish to replace.

3. Fish the old target wire out of the opposite end to install the new wire. In this example, we are pulling the wire from the top of the panel.

EU Declaration of Conformity

Name and address of the manufacturer:
Company Name: SMARTfit, Inc Contact
Name: Jim Manley
Contact Title: CTO
Company Address: 3977 Camino Ranchero , Camarillo, CA 93012

Phone: 805-383-0080 x130
FAX: 805-383-0085
WEB: www.smartfit.rocks

Identification of Radio Equipment:
Model Number(s) 3-56325 CPU 12V
3-56327 CPU Battery

Object of the declaration:
Product Name: SMARTfit POD, SMARTfit Mini and SMARTfit Panel

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

> Directive 2014/35/EU

Article 3.1a: EN 60950-1
Article 3.1b: EN 301 489-3 v2.1.1 and EN 301489-17 3.2.0
Article 3.2: EN 300 220-2 v3.1.1 and EN 300328 v2.1.1
EN 62479

> ROHS Directive 2015/863

> WEEE Directive 2012/19/EU

The notified body CKC Certification Services, LLC NB0976 performed testing on our systems to allow us to receive the CE mark and issued the EU-type examination certificate:
Controller: 99819-10-EURED

This declaration of conformity is issued under the sole responsibility of the manufacturer.
Signed for and on behalf of: SMARTfit, Inc
Printed Name: Jim Manley

Date: 4/12/18

Title/Function: CTO

Place: 3977 Camino Ranchero , Camarillo, CA 93012