INSTALLATION GUIDE 3D MOTION PLATE

For Swing Catalyst Studio Installations





CONTENTS

Introduction	4
Part 1: Studio Overview	
Studio Components	6
Dimensions - indoor studio	7
Dimensions - garage bay	8
Cameras	9
Part 2: Cabling	
Video setup	10
3D Motion Plate setup	11
TV & feedback screen setup	12
Part 3: Flooring & Specifications	
Building floor structure	13
Mounting rail specs	16
3D Motion Plate specs	17
Building podium structure	19
Part 4: Studio Lights	
LED lighting setup	22
Support	23

Installation guide 3D Motion Plate 2016

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INTRODUCTION

The Swing Catalyst team has over the years gained extensive experience from studio installations all around the world.

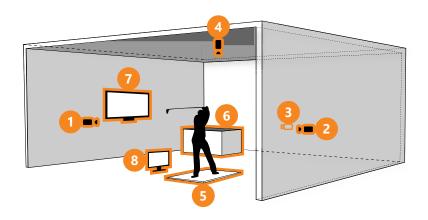
This knowledge is now passed on to you as a valued Swing Catalyst customer.

This guide offers recommendations regarding space requirements, positioning of lighting, cameras and cabling, and some other thoughts that you should consider when setting up your Swing Catalyst Studio.

Detailed information on a specific topic may be found at: www.swingcatalyst.com/help

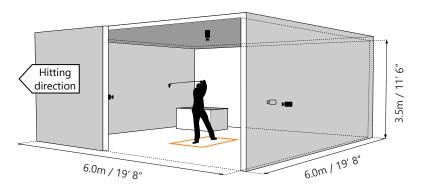


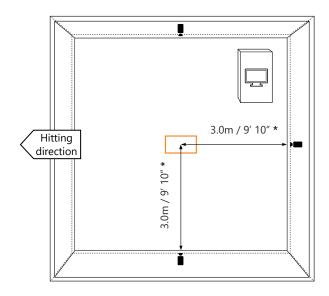
STUDIO COMPONENTS



- 1 Face on camera left
- 2 Face on camera right
- Down the line camera
- 4 Overhead camera
- 5 3D Motion Plate / Balance Plate
- 6 PC table
- 7 Optional wall mounted flat screen
- 8 Optional student screen

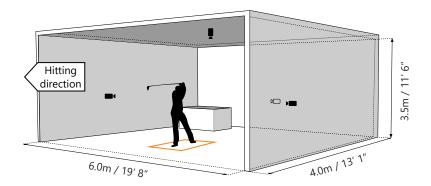
DIMENSIONS - INDOOR STUDIO

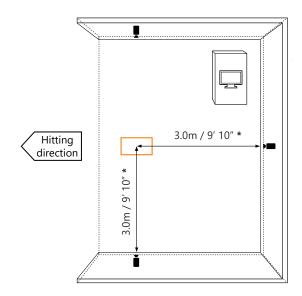




* These are the recommended distances. Please note that more space is required if you consider using a radar based launch monitor. If you have less space please contact us for other camera options.

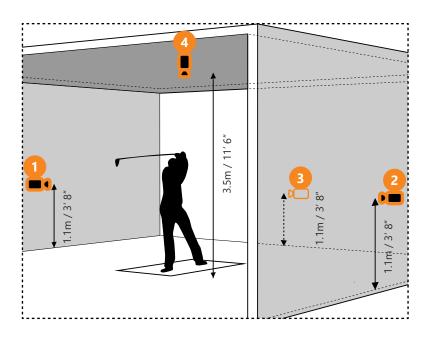
DIMENSIONS - GARAGE BAY





* These are the recommended distances. Please note that more space is required if you consider using a radar based launch monitor. If you have less space please contact us for other camera options.

CAMERAS



Camera height measured from floor to lens:

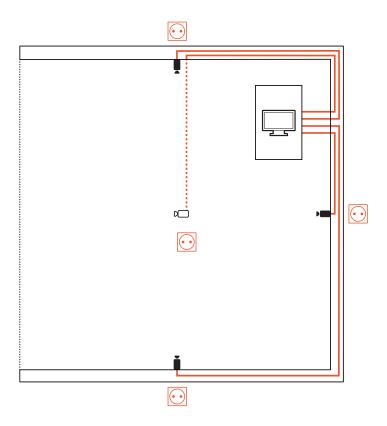
- Face on camera left
- 2 Face on camera right
- 3 Down the line camera

Recommended minimum height from floor to lens:

4 Overhead camera

8 Part 1 Studio Overview Part 1 Studio Overview

VIDEO SETUP



Video cables (depending on camera type):





Coaxial for CCTV





Ethernet for GigE Vision





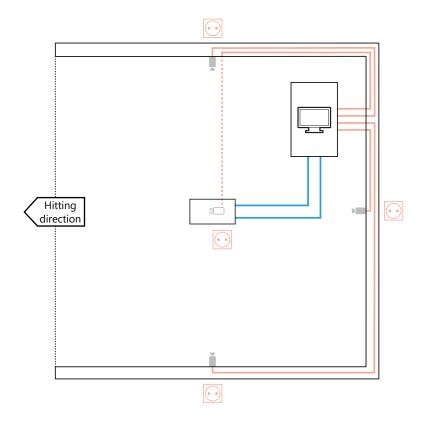
USB for USB cameras





Power outlet, 110-220V AC

3D MOTION PLATE SETUP



Sensor Plate cable:





USB for 3D Motion Plate





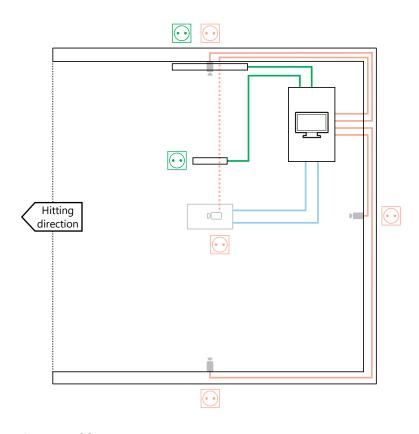
USB for Balance Plate



All electronics connected to the 3D Motion Plate must have ground. The power grid should have adequate grounding. We recommend using surge protectors to prevent damage to your electronics.

10 Part 2 Cabling Part 2 Cabling 11

TV & FEEDBACK SCREEN SETUP



Screen cables:





HDMI for flatscreen TV and feedback screen





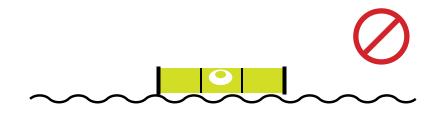
Power outlet, 110-220V AC

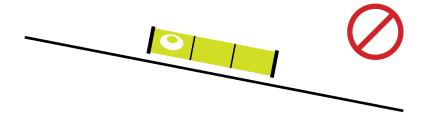
Note: The setup for flatscreen TV and feedback screen is optional.

BUILDING FLOOR STRUCTURE

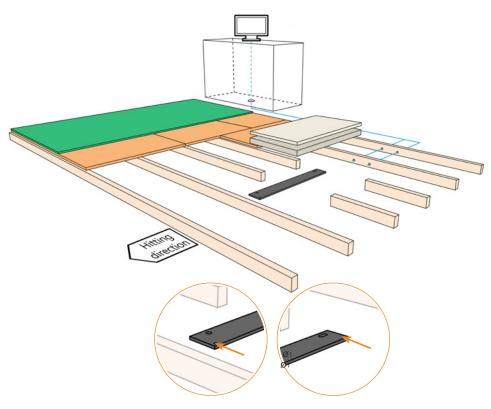
Place the 3D Motion Plate on a flat and level floor to ensure accurate data readings.







Part 2 Cabling Part 3 Flooring & Specifications 13

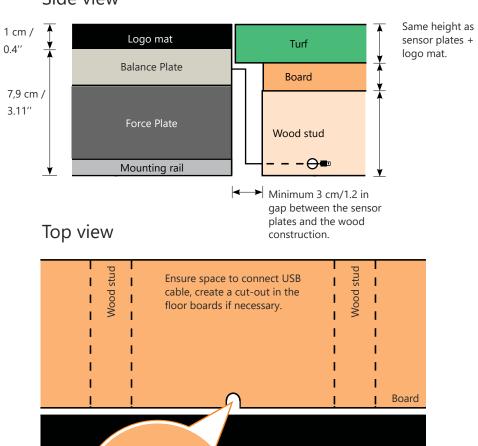


Ø1: Mounting holes. Use screws to fix mounting rail to the floor.



Insert two of the feet into the mounting rail.

Side view



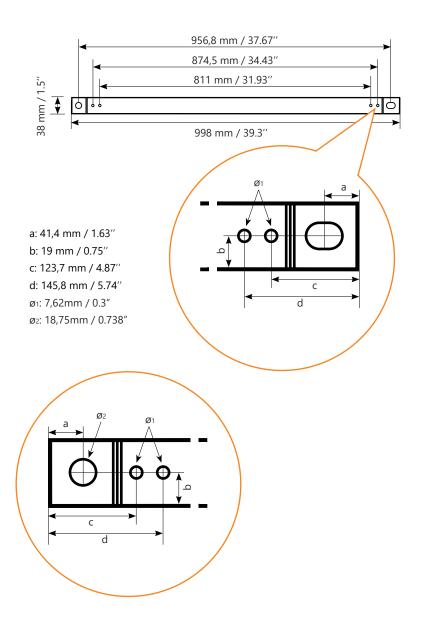
15

Logo mat

Board cut-out for USB chord

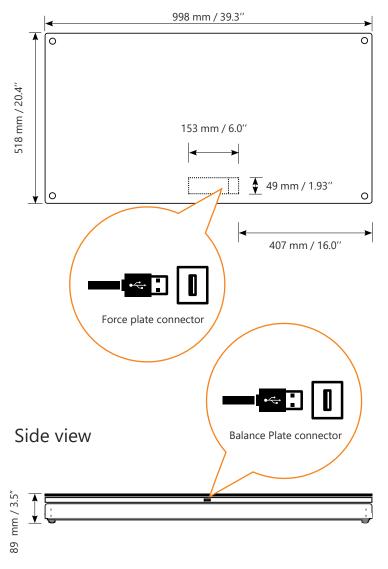
MOUNTING RAIL SPECS

16



3D MOTION PLATE SPECS

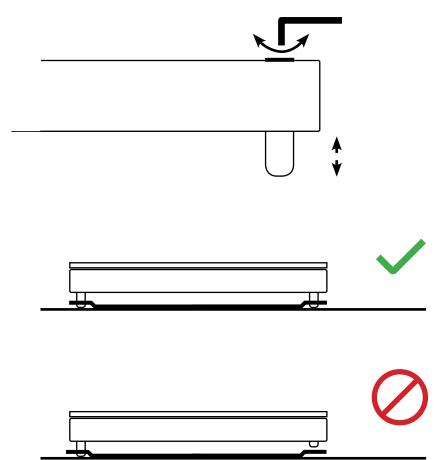
Bottom view



Feet on the floor

18

Important! To ensure accurate data readings the 3D Motion Plate must be level and have all 4 feet in contact with the floor. Make sure the plate is level before mounting the Balance Plate. It's important to account for the height of the Balance Plate when adjusting the Force Plate to make the install flush with the turf.



BUILDING PODIUM STRUCTURE

Follow construction details from the previous pages. Choose desired moldings for a good finish.



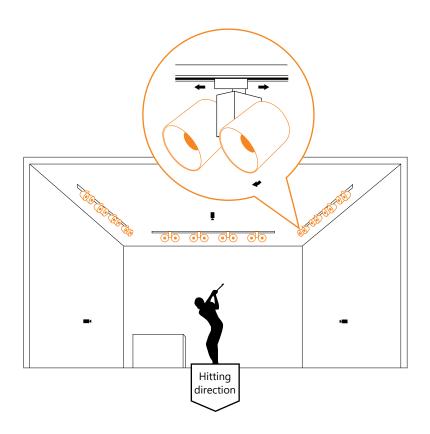


Job Airection Plate hole hole minimum: 1.2m / 3′, 93″, 1.2m / 3′, 93″,

Side view



LED LIGHTING SETUP



Recommended lighting setup:

Lumen: 30,000 lumen Beam angle: 45 degrees Number of spot lights: 15-30

Recommended lux measurements:

Hip-height horizontally: 1300 lux Floor below golfer: 2300 lux

Walls: 500 lux

SUPPORT



If you have any questions, please contact support:

support@swingcatalyst.com

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