

INSTALL GUIDE

# EYEXO VIEW

**IMPORTANT:** Read Before Using.



UNEEKOR

## Notice

### Grounding Instructions

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. This tool is equipped with an electrical cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have proper outlet installed by a qualified electrician.

#### Step 1: Hardware Installaion Guide



#### Step 2: Software Installaion Guide






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## To Ensure Safe Use






Improper handling or operation of this machine may result in injury or damage to property. Points which must be observed to prevent injury or damage are described as follows.

 <b>WARNING</b>	Used for instructions intended to alert the user to the risk of severe injury should the unit be used improperly.
 <b>CAUTION</b>	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. Material damage refers to damage to home, furnishing, or anything within the unit's vicinity.
 <b>NEVER</b>	This symbol alerts the user to items that should never be carried out.

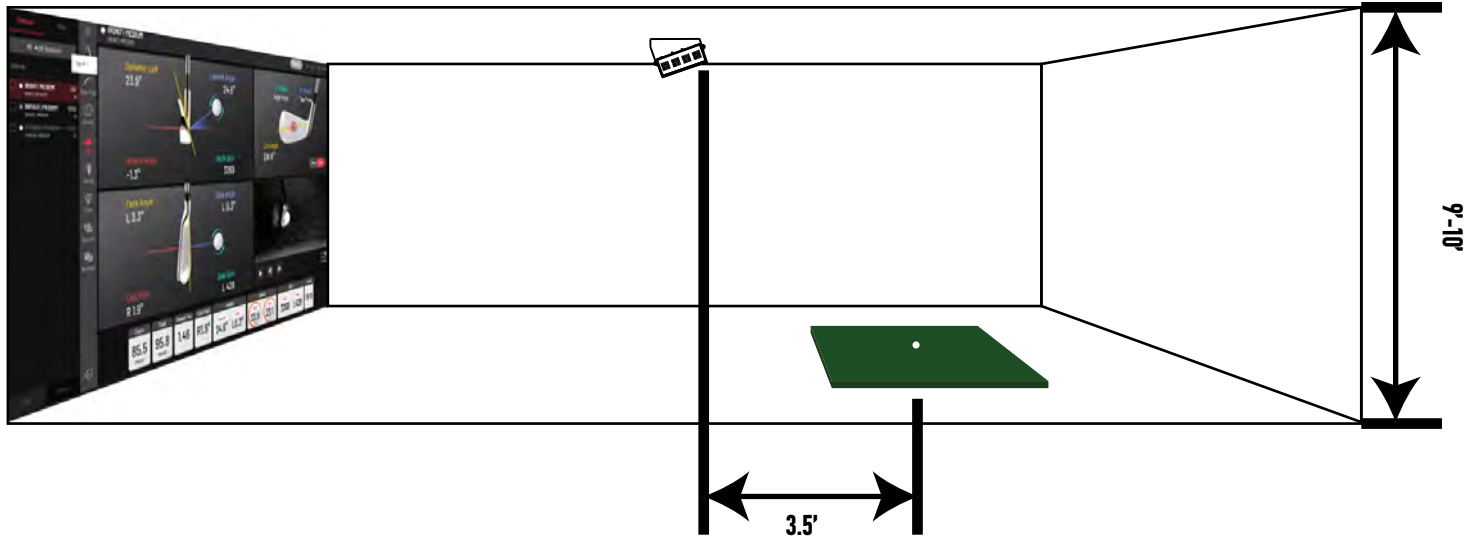
## To Ensure Safe Use - Continued

 This is a heavy machine.

### **WARNING**

	<p>Install in a level and stable location. Failure to do so may result in falling of the machine, leading to injury.</p>
	<p>Never attempt to disassemble, repair, or modify the machine. Doing so may result in fire, electrical shock, or injury. Entrust repairs to a trained technician.</p>
	<p>Never use outside or in any location where exposure to water or high humidity may occur. Do not touch the power cord or electrical outlet with wet or dirty hands. Doing so may result in electrical shock.</p>
	<p>Conduct play in a clean and brightly lit location. Operating in a dark or cluttered space may lead to accidents.</p>
	<p>Be aware of your surroundings and use cautiously with children around. Swinging the club during play without being aware will result in serious injury or death.</p>

# 1. Installation Environment



Installation Environment

## PC Specifications





Category	Requirement
CPU	Intel i5 8400 or higher*
RAM	8 GB
Graphics Card	GeForceGTX 1060 or higher
Operating System	Windows 10 (64bit) Version 1803 or higher
Resolution	1920 x 1080
Connectivity	Ethernet Port Required





\* AMD: 3rd gen Ryzen or higher and AMD Ryzen 3600 or higher (AMD 2700 is not compatible).



## 2. Included Items

The following items are included with the sensor. Make sure they are all present and accounted for.




			
EYEXO Sensor Bar	Bracket	USB - Software	Calibration Chart

			
Power Cable	Power Adapter	Power Connector	USB Ethernet Adapter

			
Ethernet LAN Cable	Level	Club Stickers	M4 32mm screws

		
M6 15mm screws	M6 15mm high screws	M6 15mm low screws

### 3. Hardware Install

 <b>WARNING</b>	<p>Confirm installation requirements are met from Section 1 “Installation Requirements,” and outline bracket location on ceiling.</p>
 <b>WARNING</b>	<p>Consult with building manager or landlord about the specifications and weight capacity of the ceiling before installation. The sensor and bracket are approximately 30 lbs and 9 M4 32mm screws are required to screw in the bracket and hold the sensor. Failure to do so may result in serious injury or damage to property.</p>
 <b>CAUTION</b>	<p>Two or more persons are recommended for mounting the bracket on the ceiling and extreme caution is required while on the ladder. Failure may result in serious injury or damage to property.</p>

Ladder	Phillips Screwdriver	M4 32mm Screw x9	Bracket	Sensor Bar
 <div style="text-align: right;">■</div>	 <div style="text-align: right;">■</div>	 <div style="text-align: right;">●</div>	 <div style="text-align: right;">●</div>	 <div style="text-align: right;">●</div>

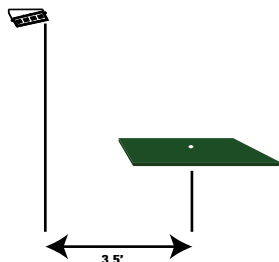
■ Necessary Tool   ● Necessary Part(s)



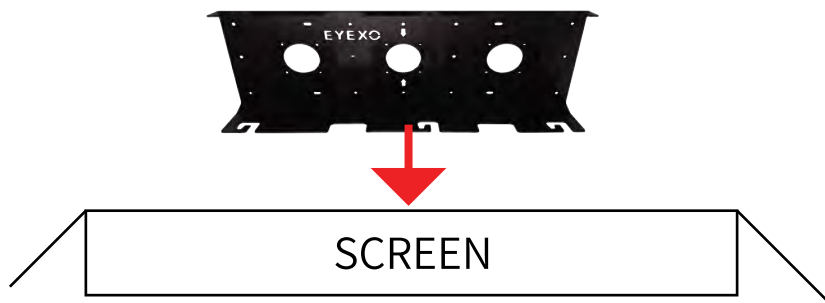
## 3.1 Hardware Install - Continued

### Step 1: Mount Bracket

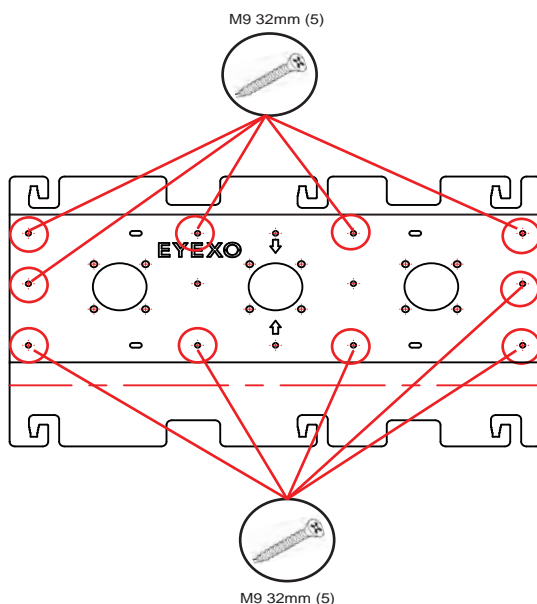
- 1 The EYEXO Sensor and bracket come attached together in the box. Slightly loosen the black M6 15 mm screws that are holding the sensor to the bracket so you can remove it. Please make sure you have measured 3.5 feet from the front and middle of the sensor to your tee position. Do NOT align to the bracket.



- 2 Place the ladder under the ceiling mounting position. Climb the ladder to a comfortable position and place the bracket flat against the ceiling with the hinges facing down towards the ground. The longer side of the hinges must be closest towards the hitting screen.



- 3 With the bracket in position, grab the 10 silver M4 32mm screws and screw them in the locations below in the diagram.

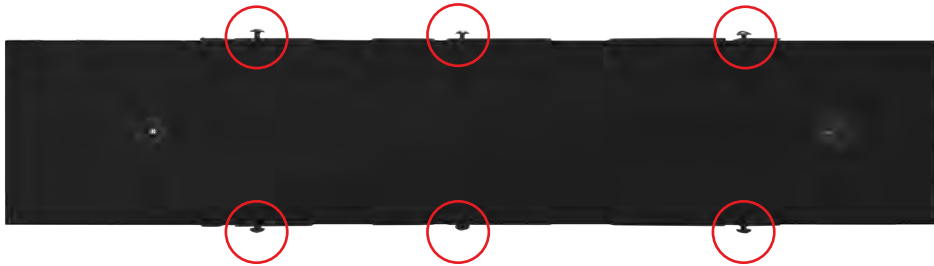


## 3.2 Hardware Install - Continued

### Step 2: Slide Sensor

- 1 After the bracket has been firmly mounted to the ceiling, you will install the sensor bar.

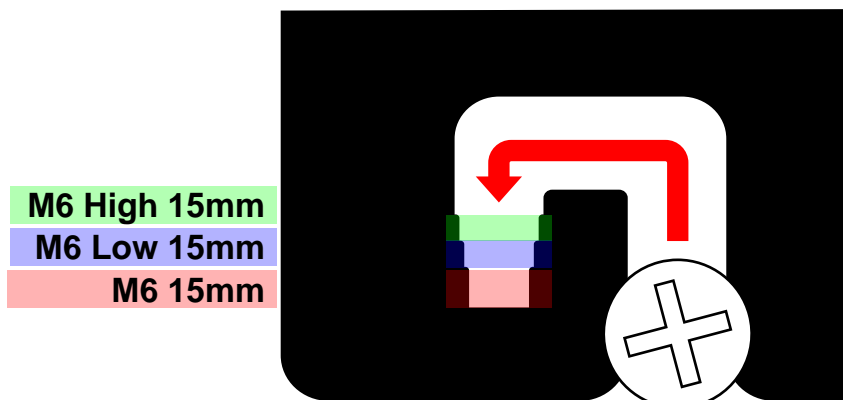
The sensor bar comes with 6 black M6 15mm screws already inserted; 3 screws in the front and 3 screws in the back. Make sure all 6 screws are about half way screwed into the bar and even in length.



- 2 Slide the sensor bar with the 6 screws up and over through the bracket hinges. Make sure the screws are secured in the hook part of the hinges. Once the sensor is secured in the bracket hinges, tighten the 6 screws to the bracket.



- 3 The tilt of the sensor can be adjust with the high and low M6 15 mm screws. The regular M6 15 mm screws are already screwed into the sensor. You can change this out with the M6 15 mm High or Low screws to adjust the angle/tilt.



## 3.3 Hardware Install - Continued

### Step 3: Connection

Ethernet LAN Cable	Power Cord	Power Adapter	Power Connector
			

■ Necessary Parts

- 1 Take out the Ethernet LAN cable from the box. Connect the end with the tag that reads “Connect this side of LAN cable to Sensor ONLY” to the sensor. Connect the other end DIRECTLY to your PC ethernet port and NOT the USB adapter.



- 2 Take out all 3 components of the power source: power cable, power adapter, and power connector. Connect all 3 accordingly and connect the “Power Connector” end directly to the sensor as shown below. Turn on red switch.



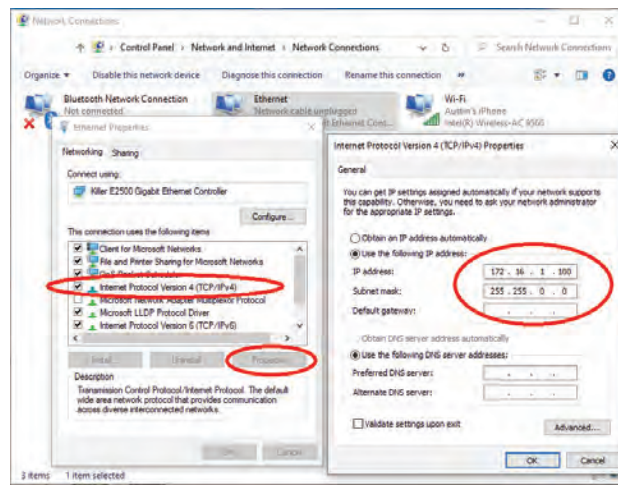
**Note:** The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

An extra green grounding wire is provided on the end of the power connector in case you outlet is not grounded.

## 4. Hardware Install - Continued

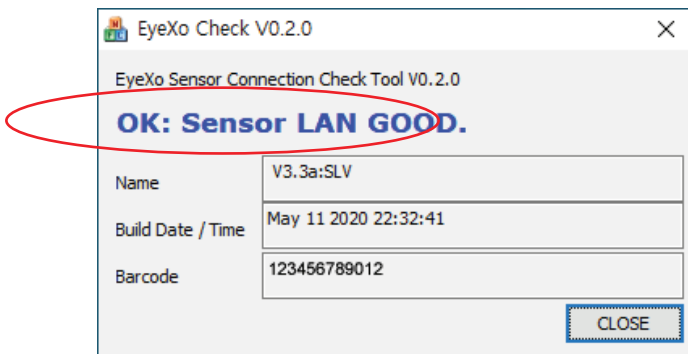
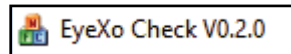
Make sure to check the connection status before you start the software installation process.

- 1 Check and see if the power is on. You will see a bright red light on the switch of the sensor.
- 2 Check and see if your EYEXO Sensor and PC are paired through the network.

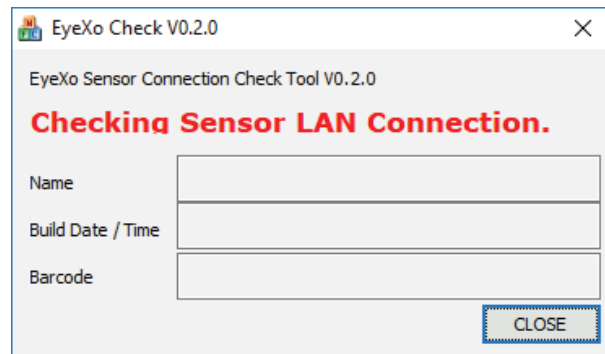


Please refer to our "Network Settings Guide" to set the IP address.

- 3 Insert the USB memory stick and find and double click





Make sure the Sensor LAN connection is good before the software installation process.



If you don't get the Sensor LAN connection, please refer to our "Network Settings Guide."

**Note:** If you do not see the 'EyeXo Check' file in your USB Drive, you can skip this step and check it after the software installation process

## 5. Software Install


 <b>WARNING</b>	Please make sure PC requirements are met from section 1 “Installation Environment,” before the installation process. Failure to do will result in installation issues and slow gameplay.
 <b>WARNING</b>	Please make sure the connection statuses are clear and everything is paired. Failure to do will result in installation issues.



## 5.1 Software Install - Continued

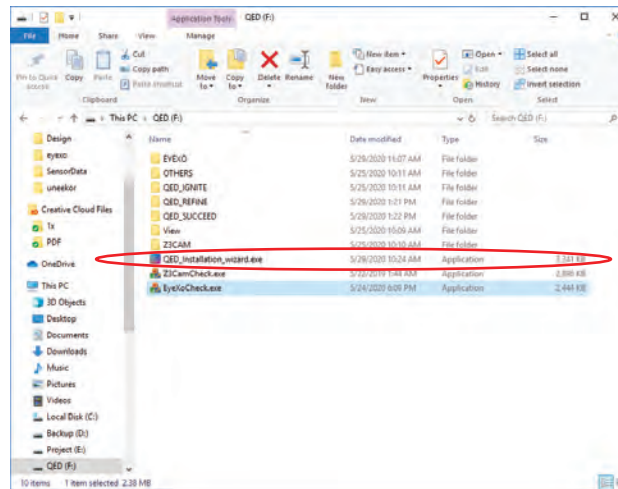


- Necessary Part(s)


- 1 Insert USB - memory stick from the box into your PC.
- 2 You will receive an email with a license code from your retailer which looks like this:  QED\_30000XXXXX.license.

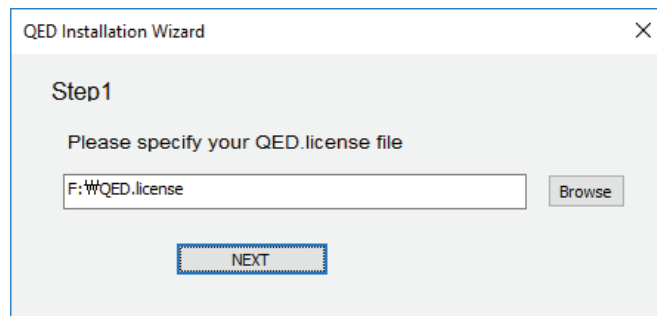
Please download it and transfer it to the USB.

- 3 Open QED Installation Wizard from your USB.



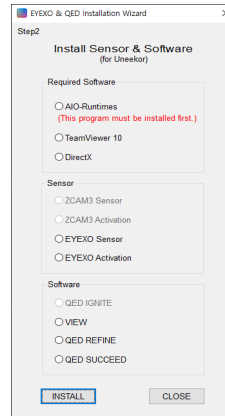
- 4 Click "browse" once the window opens and search for the QED license from step 2.

 QED\_30000XXXXX.  
license



## 5.2 Software Install - Continued

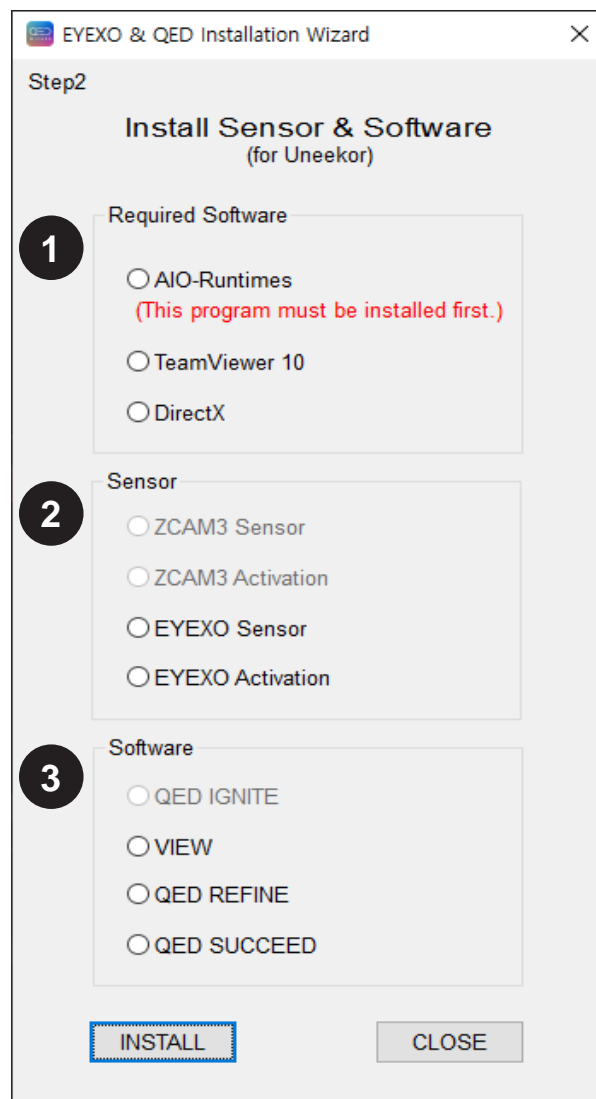
- 5** Click next and you should see this window.



- 6**
1. The 3 softwares from the “Required Software” section: “Aio-runtimes,” “Teamviewer10,” and “DirectX.”
  2. The 2 softwares from “Sensor Software” section: “EYEXO Sensor & EYEXO Activation”
  3. Software Section: “VIEW,” “QED Refine,” and “QED Succeed.” This will depend on your purchase.

Please install each software one at a time. Click “Install” button for each install. “Aio-Runtimes” must be installed first.

Go to next page for steps.



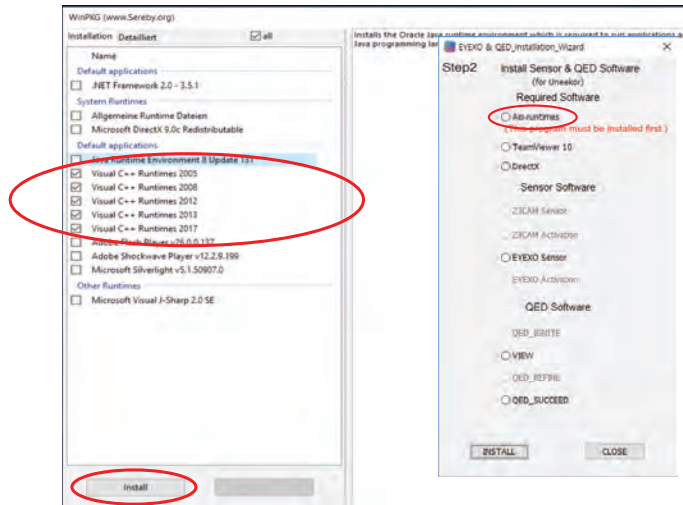


## 5.3 Software Install - Continued

- 1 Please select all "Visual C++ Runtime files, and unselect the rest.

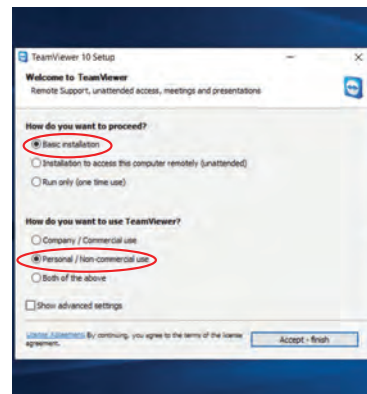
These "Visual C++ Runtime files are required to run tools and the game. Then Click "Install."

*(If you do not see the "Visual C++ Runtime files it means your PC already has these downloaded from another install)*

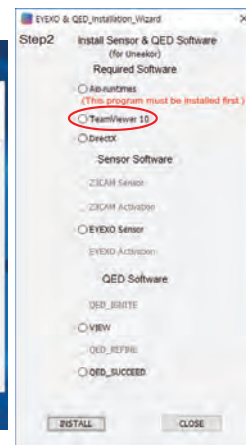


Alo-runtimes

- 2 Please select "Basic Installation" and "Personal/ non-commercial use" settings for the installation of Teamviewer.



Teamviewer

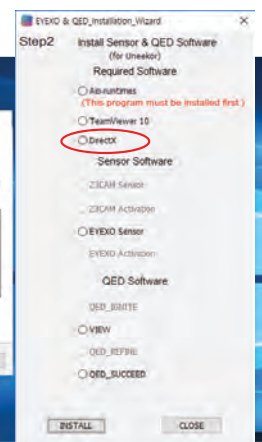


- 3 Please select "I accept the agreement" and click "Next >"

Continued on page 17



Direct X

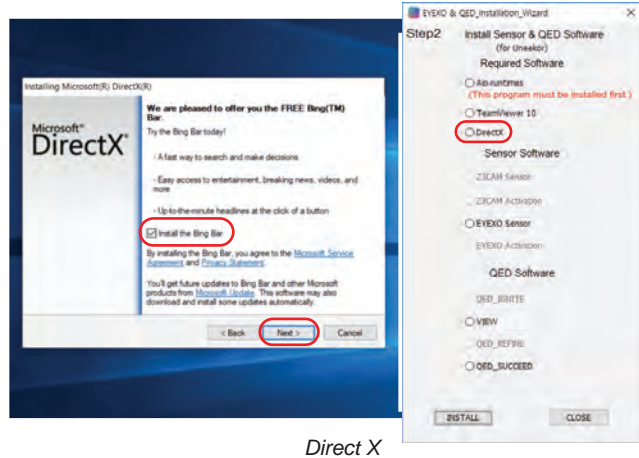




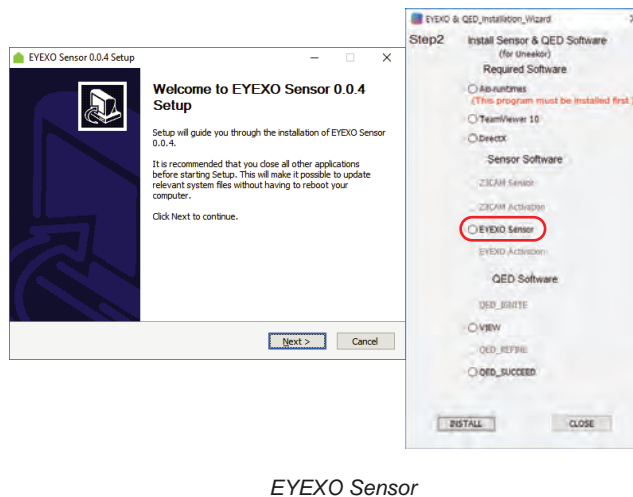
## 5.4 Software Install - Continued

- 3** Make sure to uncheck the “Install Bing Bar” box so you do not install Bing.

Then click Next to start the installation.

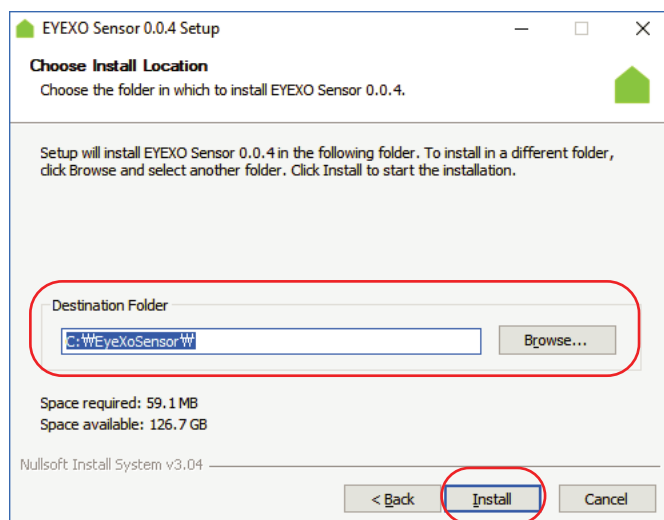


- 4** Click “Next” to start the EYEXO Sensor install in the setup window.



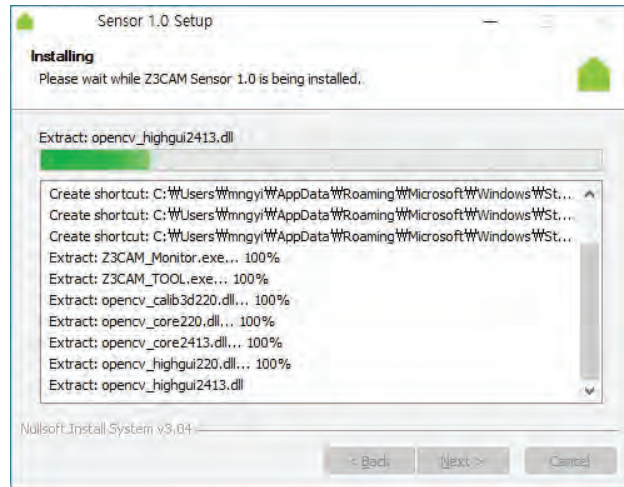
- 5** Default destination folder will be in C: Drive. If you would like to change the destination click “Browse...” and choose your folder.

Click “Install” to start the install.

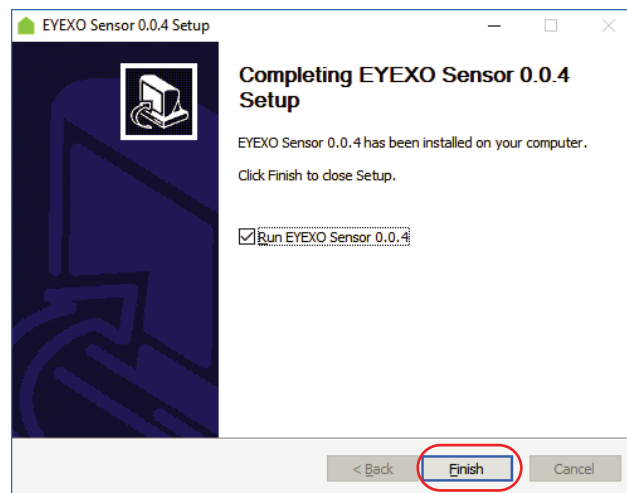


## 5.5 Software Install - Continued

- 6 You will see this screen once the install has started.



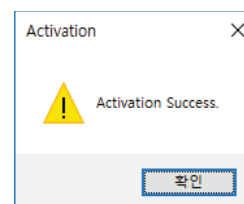
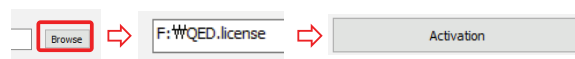
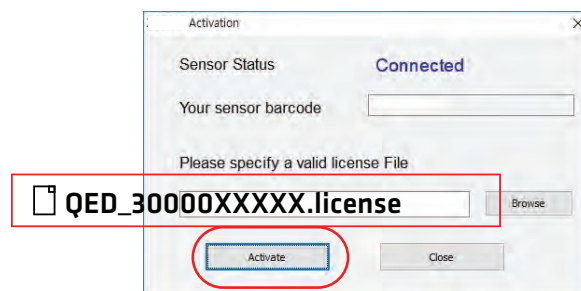
- 7 The "Run EYEXO Sensor" is checked. Uncheck it and click "Finish."



- 8 Click "Browse" to find that license key.

Then click "Activation."

Continued on page 19



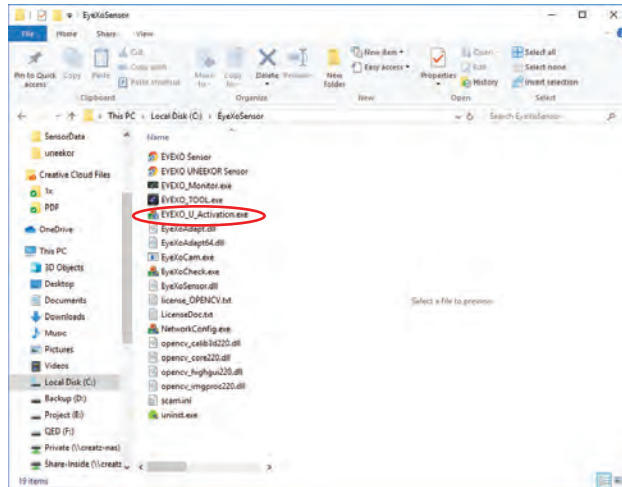
EYEXO Activation



## 5.6 Software Install - Continued

- 8 If nothing happens during the EYEXO Sensor Activation, you can activate it another way.

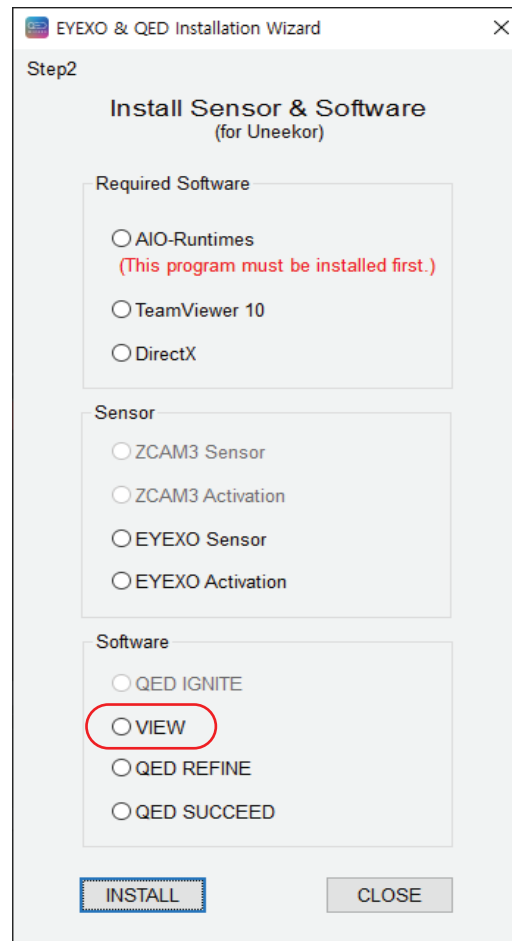
Go into your C:Drive > Open “EYEXOSensor” > Open “EYEXO\_U\_Activation.” > Browse for the license file.



- 9 Depending on what package you purchased, you will only be allowed to choose the specific software to install.

*NOTE: All EYEXO sensors come with the “VIEW” software.*

Install the “VIEW” software first, then install “QED REFINE,” or “QED SUCCEED,” depending on your purchase.

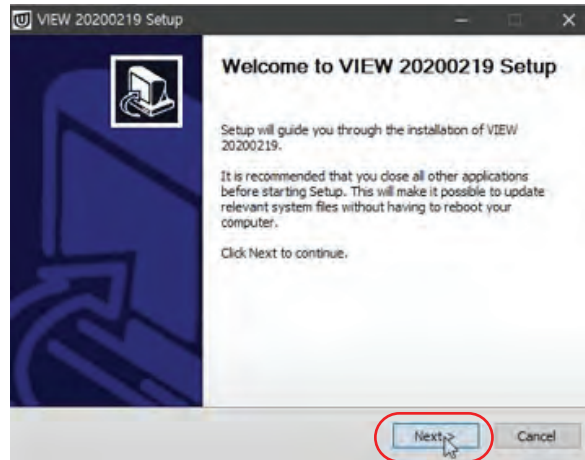


QED Software

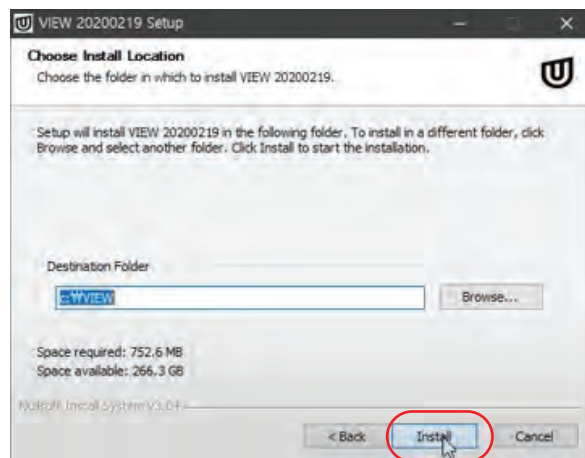


## 5.7 Software Install - Continued

- 10** Click the “VIEW 1.0 Setup” file and click “Next”

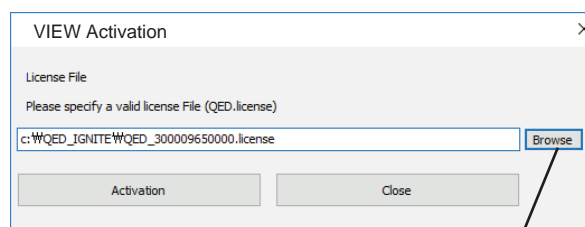


Then click the “Install” button on the next window.



- 11** Click “Browse” to find that License file from step 4, then click activation.

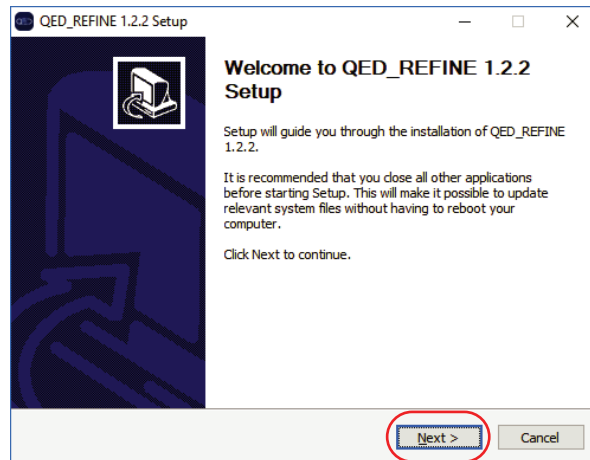
Then on the final window click “Finish”



 QED\_30000XXXXX.license

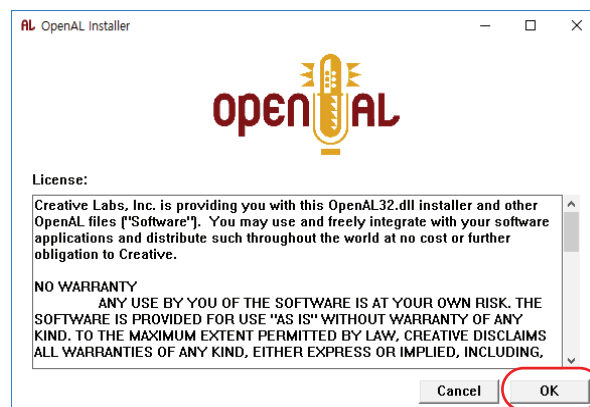
## 5.8 Software Install - Continued

- 12** For Refine and Succeed install it is the same process as "VIEW" except the "Open AL."



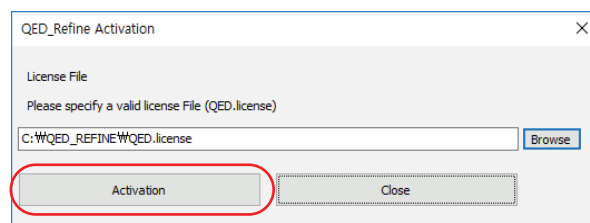
"Open AL" is the sound software for gameplay.

Click "OK" to install.



- 13** Once "Open AL" software install is complete, you will see the "QED\_Refine Activation" window. Click and browse your license key.

Then click "Activation."



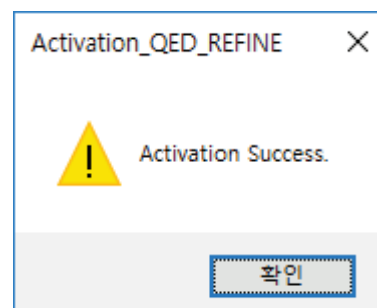
QED\_30000XXXXX.license

*NOTE: It is important during this process to NOT click the exit button.*

- 14** If activation was successful you will see this window.

If activation failed, please contact support@uneekor.com.

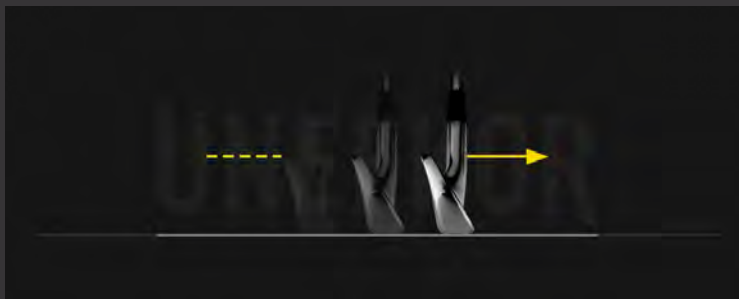
You are now finish with the software installation and ready for calibration. Please refer to the Calibration Guide.



# EYEXO VIEW

## Club Data

### Club Speed



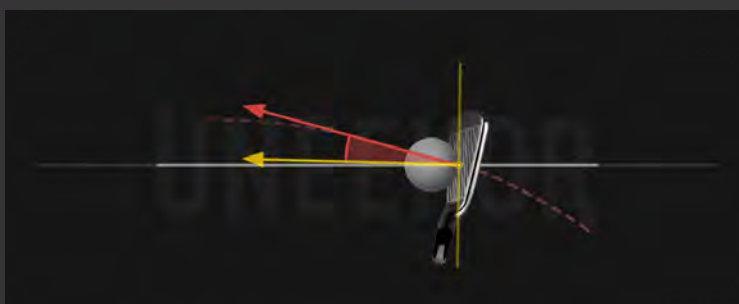
The speed of the club before impact.

### Smash Factor



The amount of energy transferred from the club head to the golf ball.

### Face to Path



The angle difference between Face Angle and Club Path.

# EYEXO VIEW

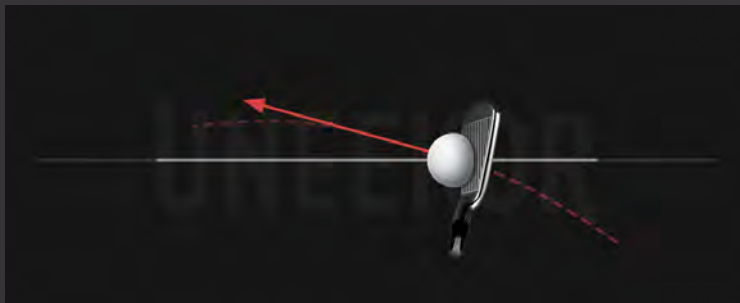
## Club Data

### Attack Angle



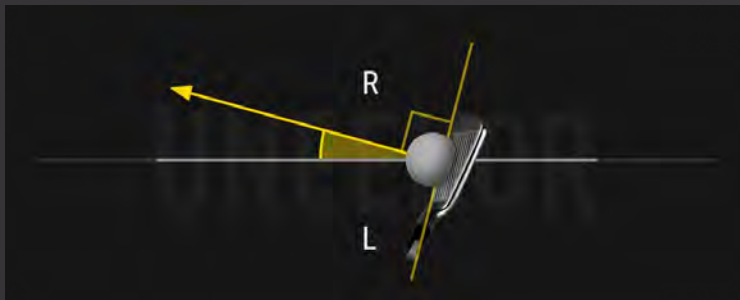
The up and down movement of the club head at the time of impact. Attack angle is measured relative to the horizon.

### Club Path



The in to out or out to in movement of the club head's geometric center at the time of impact. Club Path is the direction (right or left) the club head is moving at impact and is measured relative to the target line.

### Face Angle

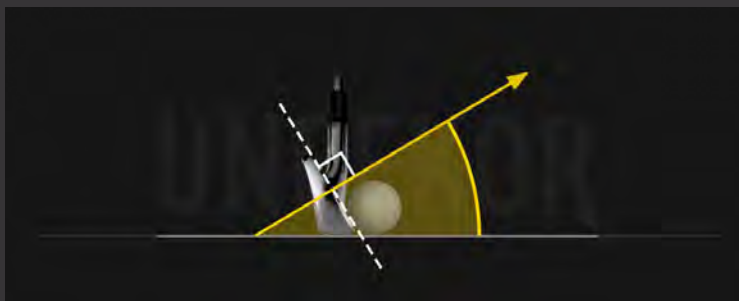


The direction (right or left) the club face is pointed at impact. It is measured relative to the target line.

# EYEXO VIEW

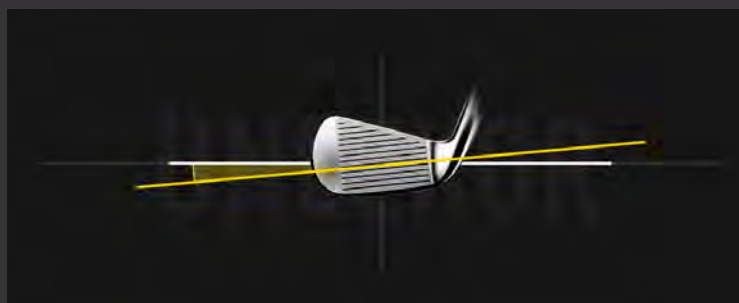
## Club Data

### Dynamic Loft



The amount of loft of the club face at the center point of impact.

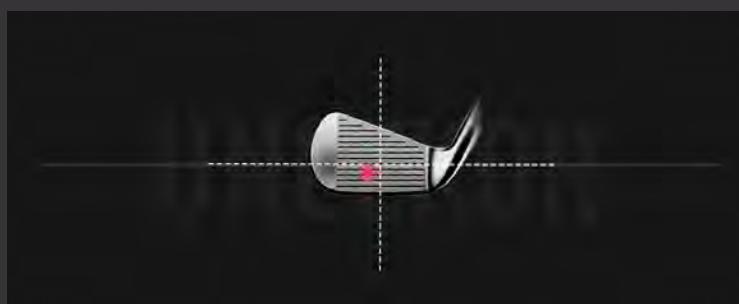
### Club Lie Angle



Lie angle is the angle created between the center of the shaft and ground when you put your iron down in the address position.

### Impact Point

Vertical. Horizontal

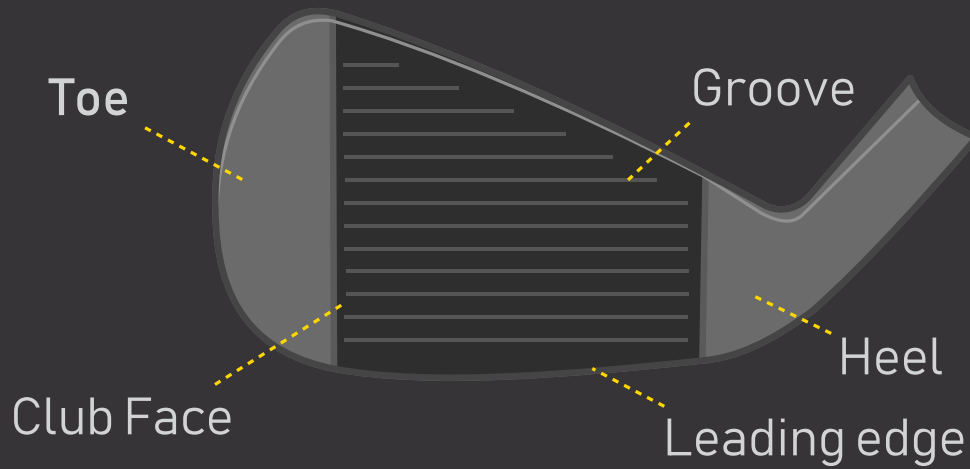


Where you strike the ball on the club face.



# EYEXO VIEW

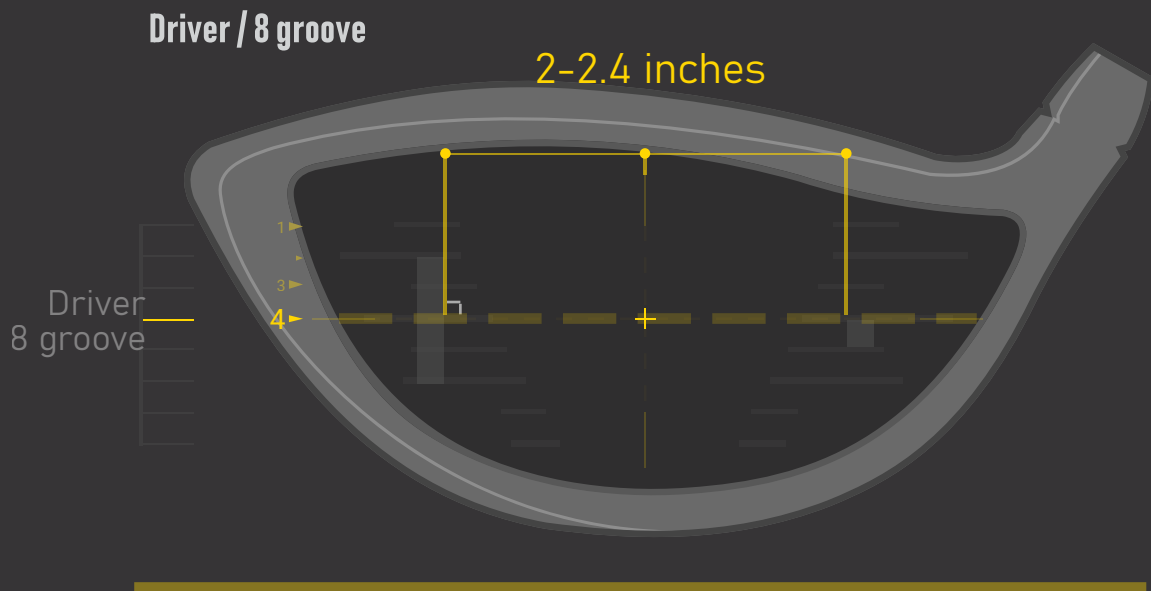
## Club and Sticker Placement



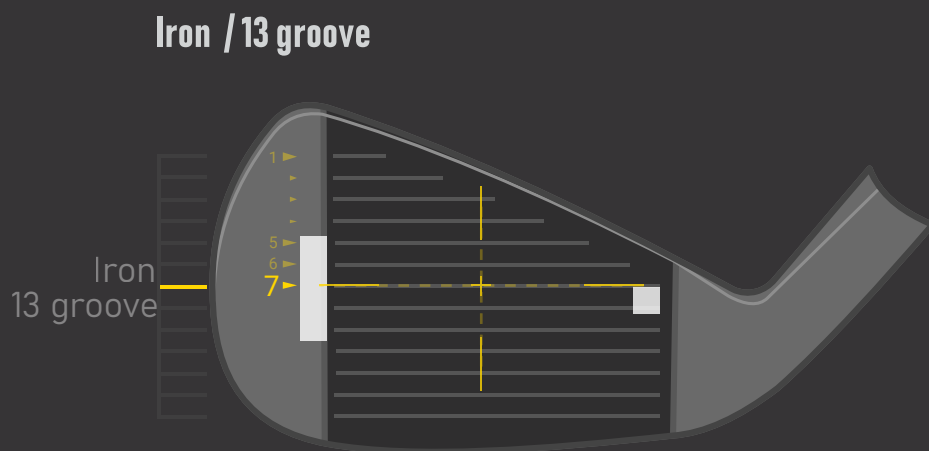
2 types of stickers provided by Uneekor

# EYEXO VIEW

## Sticker Placement



- 1.) The position closest to the horizontal center line should be used as a reference.
- 2.) The Dot sticker should line up to the middle of the Bar sticker.
- 3.) Avoid placing both stickers near the sweet spot
- 4.) Attach to the flat surface of the face to avoid creasing or bending of the stickers.
- 5.) Attach in line with the grooves.



### 1. Bar Sticker

Align the middle of the Bar Sticker to the horizontal center line or the 7th groove.

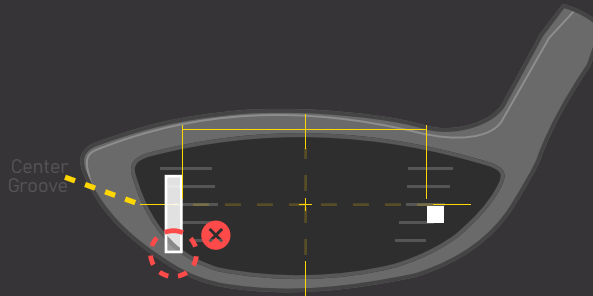
### 2. Dot Sticker

Align to the middle of the bar sticker and parallel between the grooves.

# EYEXO VIEW

## Sticker Application 1

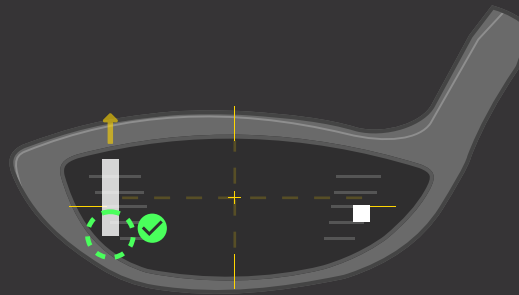
The stick must not cross or bend over the leading edge.



Bring the stickers in the sweet spot if it cannot fit inside the whole face.



The sticker must be attach inside the club face for proper reading.



All 4 corners of the stickers must be attached to the club face. If the club face is short and all 4 corners of the bar sticker cannot fit on the club face down the horizontal line, you can move up the horizontal line so all of the Bar Sticker can be placed inside the club face.

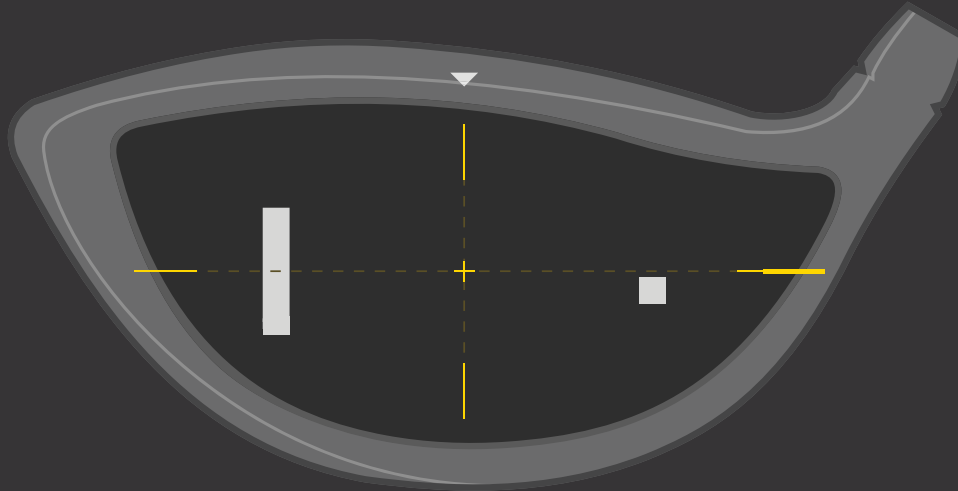
\*In the case where you do have to raise the horizontal line beyond the center to fit all 4 corners of the Bar Sticker, the data will be calculated higher.



# EYEXO VIEW

## Sticker Application 2

Driver



**Clubs without grooves**

All 4 corners of the stickers should be attached inside the club face. If there is an aim marker on the crown of the driver, use it as reference for the vertical center line. The top of the bar and dot sticker must be aligned with the horizontal center line.

\*CLUB DATA CANNOT BE READ IF THE BALL IS COVERING ONE OF THE TWO STICKERS. CLUB DATA WILL BE ONLY SHOWN IF BOTH STICKERS ARE VISIBLE.\*

## 7.1 Specifications

Items	Contents
Components	2 Hyper Speed Cameras 2 Infrared LED Boards 1 Control Board 1 Power Board
Data Interface	Ethernet (CAT6 and above)
Communication Speed	1 Gbps
Spin Data	Total Spin $\pm 12,000$ rpm
Measurement Range	Ball Speed Putter: 0.1 m/s ~ 30 m/s Ball Speed Driver/Iron: 5 m/s ~ 100 m/s
Sensing Angle	Driver: -5 ~ 50 Degree Iron: 0.1 ~ 80 Degree (shots over 60° can damage the unit)

# POWER FOR EVERY GOLFER

Uneekor, Inc.

26249 Enterprise Court  
Lake Forest, CA 92630

Tel: 1-949-328-7790

[sales@uneekor.com](mailto:sales@uneekor.com)

[support@uneekor.com](mailto:support@uneekor.com)