

GolfSense

User Manual

Dear Golfer :

Congratulations! You have found an interesting and instructive way of playing Golf.

Welcome to the Digital Sports Ear!

As the leading provider of Digital Sports experience, Zepp has a group of Engineers dedicating in the most popular sports and cutting edge technology to create reliable, useful and professional training toy and user experiences in various sports, and our first product is GolfSense.

For your proper use of the training assistant, GolfSense, it is highly recommended to read this User Manual carefully to fully understand every information and operation tip of the product, which helps Improve Your Swing dramatically and discover more fun in Golf!

Let's start the new venture in the Digital Sports Ear!

Zepp Golf Team

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Chapter 1

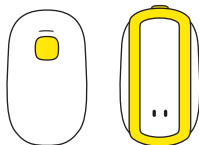
GolfSense Overview

About This Guide

This Manual is the description of GolfSense Node, Recharger Dock and its Free App on iPod/iPhone. The paid App will not be included, as those will be specified in the individual App page or URL.

GolfSense Hardware Overview

GolfSense hardware includes GolfSense Node and Recharger Dock



GolfSense Node

GolfSense Recharger Dock

GolfSense Specification

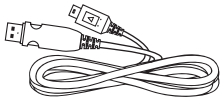
| | | |
|-----------------------|-----------------------------|--|
| GolfSense Hardware | Node Weight | 18.3g |
| | Node Size | 65.6mm×38.6mm×12.5mm |
| | Recharger Dock Weight | 107.7g |
| | Battery | Polymer 110mAh;Max Working 3 Hr/ Standby 10 Hr |
| | Shell Color & Materials | Pearl White/Metal Black & ABS & Silicon Gel |
| Package & Accessories | Recharger Dock Power Supply | Input DC 5V /50mA Output DC 4.2V / 60mA |
| | Package Size (L*W*H,mm) | 40mm×150mm×90mm |
| | Package Weight | 131.8g |
| | Package Materials | Paper & PS6 |
| | User Manual | 70mm×100mm |
| Golf Swing Accuracy | USB Cable | 800mm |
| | Rotation of Hands | Within $\pm 3^\circ$ |
| | Club Head Speed | Within ± 5 mph |
| | Club face Posture | Within $\pm 2^\circ$ |
| | Upswing Posture | Within $\pm 2^\circ$ |
| | EndSwing Posture | Within $\pm 2^\circ$ |
| Tempo | Within 0.05 Sec | |

※ GolfSense Node and Recharger Dock is NOT Water-Proof, so please do not play in the rainy days or drop the product or Charger Dock into water, which operation will NOT be covered by GolfSense warranty policy.

| Key Parts | What can you do with it |
|-----------------------|---|
| Button | Turn On/Off Node by Pressing more than 3 seconds; Click within 1 second to Calibration; Click it within 1 second to record perfect swing. |
| LED on Node | Light-up in 3 seconds means Node is turned On/Off; Consistent lighting means Node is connecting with iOS devices |
| LED on Recharger Dock | Red Lights means Node is under Recharging; Green Light means Node had been recharged fully. |

Accessory At a Glance

Following Accessories are included in the Package with GolfSense.



Mini USB to USB Cable

Protection Film



User Manual



Accessory Information

| Key Parts | What can you do with it |
|-------------------------------|---|
| Mini USB to USB Cable (800mm) | Insert the USB port into 5V USB adaptor to charge |
| Protection film (PS6) | Protect Node from damage during transportation |
| User Manual (Paper) | Familiar with every detailed feature of GolfSense |

※ Before charging, please remove the protective film on the bottom of GolfSense Node

Free App Icons

Connected Disconnected

Shows connection status between iOS devices and GolfSense Node. Only under Connection status, the App works with GolfSense Node, the features include Driving Range, Re-Calibration. Other Features, such as Share, History, Settings will not be affected by the Connection Status.



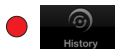
Re-Calibration is the feature helps you find the personal starting point of Swing, which is the tracking basis of full swing. When Golfer change Golf Club, for example Driver to Iron #7, we highly suggest you do Re-Calibration in order to more accurately track the Swing Data. After first time Connection between GolfSense Node and iOS devices, App will automatically remind you to do Calibration.



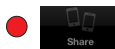
Driving Range is the normal using model of GolfSense Free App, where the key training & swing information will be included. After entering into the interface first time, App will enforce you do Calibration and choose proper Golf Club he/she wants to use. Please refer to detailed information in "Club Selection" and "Driving Range".



Home Icon helps you into or back to landing page of the App.



History records Yours' Swing data or downloaded date from GolfSense Sever. Where you restore Swing Data (Professional Players', Friends' and yourself) for reviewing, comparing, learning and fun. The Free App automatically records three standard data from different Golf coaches for general comparing with yours' own. You can save individual swing data by pressing Button on GolfSense Node in "Driving Range" page.



You can share Swing data via Bluetooth between iOS devices or GolfSense sever. By clicking "Phone Share" or "Web Share", you can share with different targets, via both Bluetooth and Wifi.



Phone Share allows you share specific Swing Data to other iOS devices, such as iPod, iPhone or iPad, via Phone to Phone or point to point communication.



Web Share allows you to share specific Swing Data with GolfSense Sever or other online services, such as social networks or websites connecting with GolfSense Sever. Both Uploading and Downloading can be realized.



There are three main categories in Settings icon, Golfer Information, Account and Function. In Golfer Information, you can setup personal physical information

to help GolfSense track more accurate information on Swing, User Name, First Name, Handicap Style, Age, Swing Hand, Height, etc. In Account, you can register his/her online service ID, Email, Password, Person Description, etc. In Function, Impact Detach Switch and Video Switch are there. Impact Detach Switch helps you can decide if GolfSense need to track a specific Swing when this swing did not heat the ball; If it allows to track the Swing without heating the ball, choose Impact Detach Off, vice verse.

GolfSense User Data

GolfSense can help Golfer record Swing Data in iOS devices, upload to or download from GolfSense Sever. You can choose specific own previous data or Other's (Golf Professional, Coach, PGA Star Player, etc) data to download to his/her iOS devices for review or comments.

The data can be free or not free. Users can share free data with Friends without limitations. The paid data need to be paid again when new users need to review the data.

Chapter 2 Getting Started

View User Manual

Other than this paper based user manual, you can view User Manual on www.zepplab.com in a PDF version on your Mac or other iOS devices.

What you need to use GolfSense

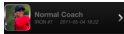
Any brand Golf Glove with a Tab you usually play with.

An iOS devices (iPod/iPhone/iPad) with 4.2.x or above

A wireless connection environment where you can download our free App, ether Wifi or 3G .

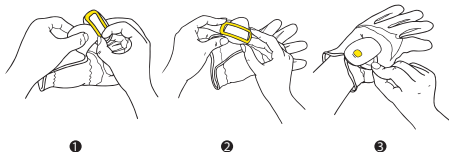
A good Bluetooth communication environment, which App will help you to tell and reminder you.

※ Zepp encourages you play Golf in a healthy environment, bad environment for Bluetooth environment means too much radiation, which is un-healthy to human body.



Wear GolfSense Node

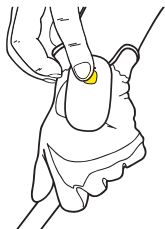
Attach to golf glove pad. MAKE SURE the button is close to the side of wrist.



- 1 Insert the glove tab across two rubber belts
 - 2 Move GolfSense node to the bottom of glove tab
 - 3 Attach the glove tab tight, and make sure the button side close to your twist
- ※ Wear the device in the way and direction described below. The button should be close to the wrist. The wrong direction of device would affect the accuracy of final result.

Open GolfSense Node

Press the button for 3 seconds till the LED is lighted. The light will shine very quickly before connection to iOS devices, one second frequency. The light will shine every 3 seconds after connection to iOS devices.



Connect GolfSense Node to iOS Devices via Bluetooth

Press the button for 3 seconds till the LED is lighted. The light will shine very quickly before connection to iOS devices, one second frequency. The light will shine every 3 seconds after connection to iOS devices.

First Time Usage

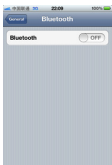
Follow ①-④ to open Bluetooth



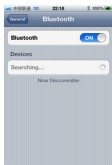
- 1 Click "Settings" on iOS Devices



- 2 Click "Bluetooth"



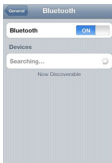
3 Open Bluetooth



4 Wait for iOS devices search for Open GolfSense Node

First Time Connection

Turn Bluetooth "On". You will see "Searching..." in "Devices" section, which shows as below.



(If current GolfSense Node has been paired with other iOS device, user needs to wait for 15 seconds before pairing with current iOS device)

Press the device button for 3 seconds till the LED is flashing, the device will be powered on.



Wait for the pairing for the first time.



Click  and wait for several seconds as below.



Press "Yes" when the pop-up reminder shows below. Your iOS devices will automatically start to download the App from Apple App Store.



- ※ When you see this reminder, it means the Bluetooth is connected in right way, otherwise please call us or refer the Appendix to delete and pair the device again. Or, You can download GolfSense by searching "GolfSense" or "Zepp", you can follow below instruction to install the App on your iOS devices.



download GolfSense into your iTunes. And Install from iTunes.



If you want to turn the device off, press the button on the device for another 3 seconds

Re-Connection

Make sure the Bluetooth on your iPhone/iPod Touch/iPad has been turned on.



Press the device button for 3 seconds till the LED is flashing, the device will be powered on.



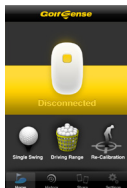
Connection will be done automatically

Chapter 3

Free App Navigation

The free App includes very useful features of improving Swing capabilities. The usual user interface covers Club Head Speed, Upswing time, Downswing time, Swing 3D Demo and Consistency Analysis, etc. Please see Icon parts for detailed information.

Home Page

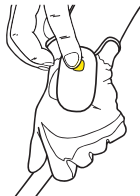


Click "GolfSense" App, you will see the landing page below. Please see the detailed explanation of Icons in earlier parts.

Driving Range



After pressing , Hold on the original position before a swing, and click button to start calibration.

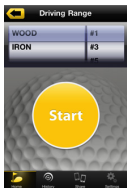


While holding the original position, use your free hand to press Node Button to start Calibration.

The App will start to Calibration your original position, and your hands catching club need to be still for 3 second.

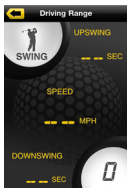


※ In order to get accurate swing result, do use another hand to click the button of GolfSense Node. Do NOT move your hand within 3 second while calibration, it will affect the accuracy of the motion capture &

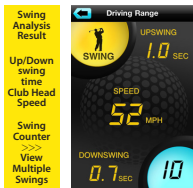


After Calibration, you enter into "Choose Club Type", please select the Club you will swing and click "Start" to swing.

Driving Page Normal Page



Then you enter into "Driving Range" Normal Page as below.



Hold still for one second, than swing with GolfSense Node on your glove. You will see the real time result of current swing.

Detailed Swing Data

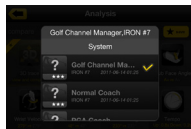
Click "Swing", you will see the detailed swing data as following.




Every Data will include the key information in this screen, say 3D Trace, Club Head Speed, Swing Execution, Club Face Angle, Wrist Velocity, Follow Through, Back Swing and Tempo.

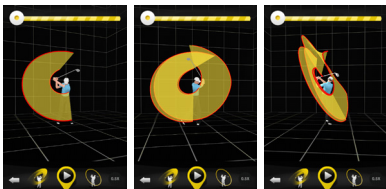
You can Click PGA Coach, IRON #7 view other information, and compare them with a professional coach/player or perfect swing from yourself.

Selecting Professional Data for comparing, as seen below.



Click  you will see the following page

"3D Trace" The animation of golfer avatar is fake and not real time. The trace is the club head trace, which is in real-time.



Click **Club Head Speed** will show you Club Head Speed details as below. The Speed will vary upon different Club you choose and it the moment your club heat the ball. The variance is Within ± 3 mph.



Click **Swing Execution** to see the overall "Swing Execution" to see the overall level of the swing, it will rate your swing from A+ to D-.



Click **Club Face Angle** you can see the Club Face Angle details, the rating ranges from A+ to D-. The professional App will help you discover much more detailed information of Club Face Angel, say In-side-out or Out-side-In, etc.



Click **Wrist Velocity**, you can see and compare detailed information about "Wrist Velocity", which will tell the wrist speed per a second, the Unit is degree/second. This data is direct reason

for your power before heating the ball and Club Head Speed. The variance is within Within ± 3 .



Click **Follow Through** will let you understand arm position after swing, the Downswing posture; this will help you improve power and consistency. The variance is Within $\pm 2^\circ$




Click **Back Swing** will show your accurate Upswing position, which needs consistency. The variance is Within $\pm 2^\circ$.




Click **Tempo**, gives you a whole picture of timing allocation in different period of the swing and the variance is within 0.05 second, which will help you understand swing situation very accurately. More importantly, this will help you improve consistency and power more quickly.




Driving Page Normal Page


Click  , you will back to "Driving Range" normal page.

Click  , you will see the detailed Consistency Statistic. The features will help you understand your consistency of "Back Swing", "Club Head Speed", "Follow Through" and "Tempo", those are very important to improve Swing Consistency.




Click  , you will see the Consistency and Similarity of multiple swings, for example 100 swings or even more, as below.




Click  will help you understand Ending Posture Consistency and Similarity of multiple swings, as below.




Click  will help you know the multiple swings' Consistency and Similarity of your Club Head Motion, which includes Club Head Speed statistic as well.

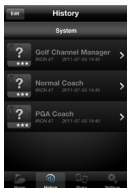



Click  will help you understand Ending Posture Consistency and Similarity of multiple swings, as below.




You can see  in lots of detailed information page, Click this will help you Upload your swing to GolfSense Sever and let your Coach or friends to make comments on your specific swings.

History & Data Service




Click , you will back to "Home

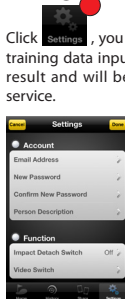
Page", when you click , you can see History & Data Service, Where you restore Swing Data (Professional Players', Friends' and yourself) for reviewing, comparing, learning and fun.


Share

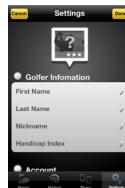


Click , you can share Data with friends, coaches, and even PGA players for sharing, comments and fun.

Settings



Click , you can input customized information. Personal training data inputting will refine the accuracy of your sports result and will be the basis for further online value added service.



Appendix II DISCLAIMER OF WARRANTIES

BE SURE TO BACKUP IMPORTANT DATA. PLEASE BE AWARE THAT WE CLAIM NO RESPONSIBILITY FOR LOSS OR DAMAGE FROM DATA LOSS DUE TO BREAK-DOWN, REPAIR OR OTHER CAUSES. ALSO WE ARE NO RESPONSIBILITY FOR ANY ACCIDENTAL DAMAGE FROM MISUSING THIS USER'S MANUAL.

Note:

The pictures showed in this Users Manual are only a guide. Product specifications, appearance and App updating are subject to change without prior notice for further improvement.

Zepp One (1) Year Limited Warranty

Zepp's warranty obligations for this hardware product are limited to the terms set forth below:

Zepp Holding Limited. ("Zepp") warrants this Zepp-branded hardware product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser ("Warranty Period"). If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, Zepp will either (1) repair the hardware defect at no charge, using new or refurbished replacement parts, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product. Zepp may request that you replace defective parts with new or refurbished user-installable parts that Zepp provides in fulfillment of its warranty obligation. A replacement product or part, including a user-installable part that has been installed in accordance with instructions provided by Zepp, assumes the remaining warranty of the original product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Zepp's property. Parts

provided by Zepp in fulfillment of its warranty obligation must be used in products for which warranty service is claimed. When a refund is given, the product for which the refund is provided must be returned to Zepp and becomes Zepp's property.

EXCLUSIONS AND LIMITATIONS

This Limited Warranty applies only to hardware products manufactured by or for Zepp that can be identified by the "Zepp" or "GolfSense" trademark, trade name, or logo affixed to them. The Limited Warranty does not apply to any non-Zepp hardware products or any software, even if packaged or sold with Zepp hardware. Manufacturers, suppliers, or publishers, other than Zepp, may provide their own warranties to the end user purchaser, but Zepp, in so far as permitted by law, provides their products "as is". Software distributed by Zepp with or without the Zepp brand name (including, but not limited to system software) is not covered under this Limited Warranty. Refer to the licensing agreement accompanying the software for details of your rights with respect to its use.

Zepp does not warrant that the operation of the product will be uninterrupted or error-free. Zepp is not responsible for damage arising from failure to follow instructions relating to the product's use.

This warranty does not apply: (a) to damage caused by use with non-Zepp products; (b) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (c) to damage caused by operating the product outside the permitted or intended uses described by Zepp; (d) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of Zepp or an Zepp Authorized Service Provider ("ZASP"); (e) to a product or part that has been modified to alter functionality or capability without the written permission of Zepp; (f) to consumable parts, such as batteries, unless damage has occurred due to a defect in materials or workmanship; (g) to cosmetic damage, including but not limited to scratches, dents and broken plastic on ports; or (h) if any Zepp serial number has been removed or defaced.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. ZEPP'S RESPONSIBILITY FOR HARDWARE DEFECTS IS LIMITED TO REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY ZEPP IN ITS SOLE DISCRETION. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN TIME TO THE TERM OF THIS LIMITED WARRANTY. NO

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OBTAINING WARRANTY SERVICE

Please access and review the online help resources referred to in the documentation accompanying this hardware product before requesting warranty service. If the product is still not functioning properly after making use of these resources, please contact the Zepp representatives or, if applicable, an Zepp distributor or retail partner store ("Zepp Partner Retail") or ZASP located using the information provided in the documentation. When contacting Zepp via telephone, other charges may apply depending on your location. When calling, an Zepp representative or ZASP will help determine whether your product requires service and, if it does, will inform you how Zepp will provide it. You must assist in diagnosing issues with your product and follow Zepp's warranty processes.

Zepp may restrict service to the fifty states of the United States of America and the District of Columbia, and provide warranty service (i) at an Zepp Retail Partner or ZASP location, where service is performed at the location, or the Zepp Retail Partner or ZASP may send the product to an Zepp repair service location for service, (ii) by sending you prepaid way bills (and if you no longer have the original packaging, Zepp may send you packaging material) to enable you to ship the product to Zepp's repair service location for service, or (iii) by sending you new or refurbished customer-installable replacement product or parts to enable you to service or exchange your own product ("DIY Service"). Upon receipt of the replacement product or part, the original product or part becomes the property of Zepp and you agree to follow instructions, including, if required, arranging the return of original product or part to Zepp in a timely manner. When providing DIY Service requiring the return of the original product or part, Zepp may require a credit card authorization as security for the retail price of the replacement product or part and applicable shipping costs. If you follow instructions, Zepp will cancel the credit card authorization, so you will not be charged for the product or part and shipping costs. If you fail to return the replaced product or part as instructed, Zepp will charge the credit card for the authorized amount.

Service options, parts availability and response times may vary. Service options are subject to change at any time. In accordance with applicable law, Zepp may require that you furnish proof of purchase details and/or comply with registration requirements before receiving warranty service. Please refer to the accompanying documentation for more details on this and other matters on obtaining warranty service.

Zepp will maintain and use customer information in accordance with the Zepp Customer Privacy Policy accessible at www.Zepp.com/legal/privacy.

If your product is capable of storing software programs, data and other information, you should protect its contents against possible operational failures. Before you deliver your product for warranty service it is your responsibility to keep a separate backup copy of the contents and disable any security passwords. THE CONTENTS OF YOUR PRODUCT WILL BE DELETED AND THE STORAGE MEDIA REFORMATTED IN THE COURSE OF WARRANTY SERVICE. Your product will be returned to you configured as originally purchased, subject to applicable updates. You will be responsible for reinstalling all other software programs, data and passwords. Recovery and reinstallation of software programs and user data are not covered under this Limited Warranty.

Zepp Holding Limited. Hongkong P.R. China

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GolfSense