

Locaxion LLC

# AirVue Golf™

Tips and Tricks for Golfers

10

# Tips and Tricks on Using AirVue Golf™

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AirVue Golf is your own personal GPS rangefinder, scorecard and eCaddy for the iPhone™ Smartphones and iPod touch devices. The following manual will help you get the most out of AirVue Golf V2.3 software.

Click on any link below to get started.

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## Configuring AirVue Golf

To get the most out of AirVue Golf, we recommend properly setting up AirVue Golf. You may do this on the first run, or at any time.

To start using AirVue Golf, first click on AirVue Golf icon (Figure 1) on your iPhone or iPod touch device.



Figure 1 - AirVue Golf Icon

## Setting up Name, Gender, Email and Distance Unit

AirVue Golf will first ask for your name, email address and gender. This should be your name and email address, or the name and email address of the primary golfer who will be using AirVue Golf on the iPhone or iPod touch device. Note, the person entered in this field, will automatically be the name of the first golfer in the scorecard.

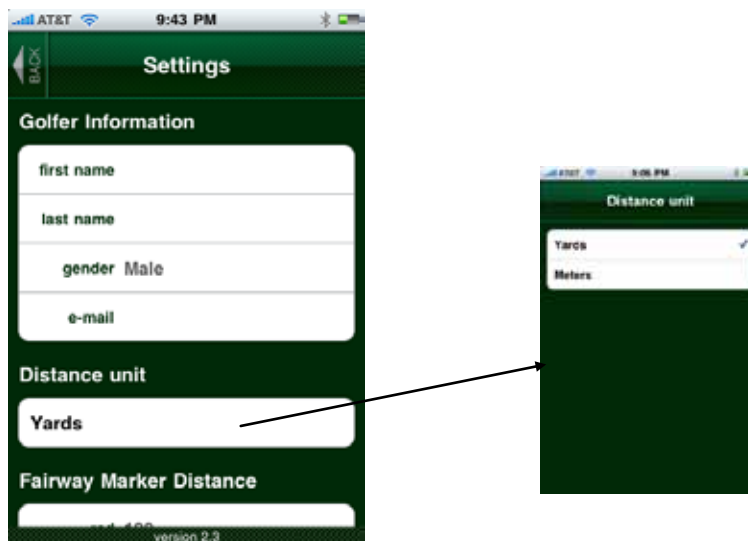


Figure 2 - Golfer Information and Distance Unit Setting

Click on Distance unit to set default distance unit of Yards or Meters. Once finished, click on Back located at top left to proceed to initial screen.

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## Setting up Fairway Distance and Drive Markers

AirVue Golf lets you configure red, white and blue fairway distance markers to automatically put markers at user-defined distances from the green on par 4 and par 5 holes. By default, red, white and blue markers are placed, 100, 150 and 200 yards (Figure 3) respectively from the center of the green. The drive marker isn't set and must be user configured.

You may change default settings for red, white, blue and drive markers to meet your unique golfing needs. In order to change the default locations, click on red, blue, white or drive markers. Using the wheel (Figure 4), you may set the desired marker location. Once finished setting yardage, click on Back and AirVue Golf automatically stores the marker setting.



Figure 3 - Fairway Distance and Drive Markers

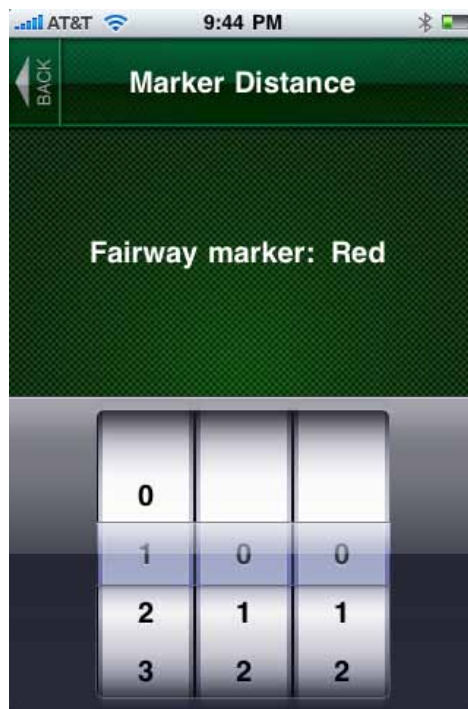


Figure 4 - Fairway Distance or Drive Marker Setup

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## Setting up Club Distances

AirVue Golf can recommend clubs (Figure 5) to use in order to plan your shot using AirVue Golf's interactive rangefinder. In order to receive recommendations, you'll need to setup your max club distances.

Slide finger on screen to start interactive rangefinder.

Club listed on top is AirVue Golf's recommendation on club to use from that point to the green.

Club listed at bottom is AirVue Golf's recommendation on club to use to reach that point on the course.



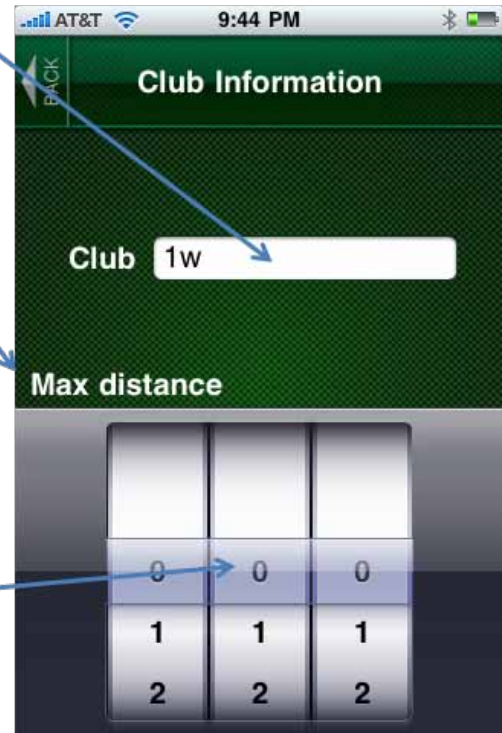
Figure 5 - Interactive Rangefinder Club Distance Recommendations

To take advantage of this feature, you must first configure AirVue Golf. By default club distances for all clubs are set to 0. Scroll down to the Club Distances and click on club to edit. Then using the wheel (Figure 6) set your max distance length for that club. You may also rename the club, by clicking in the text box and entering club name.



Enter name of club by clicking in text box and entering name.

Click on club to set your max distances for each club



Scroll wheel to set max distances for selected club

Figure 6 - Setting Club Distances

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## Selection Screen

If you're starting a new round of golf, your initial selection screen will look similar to what you see in Figure 3.

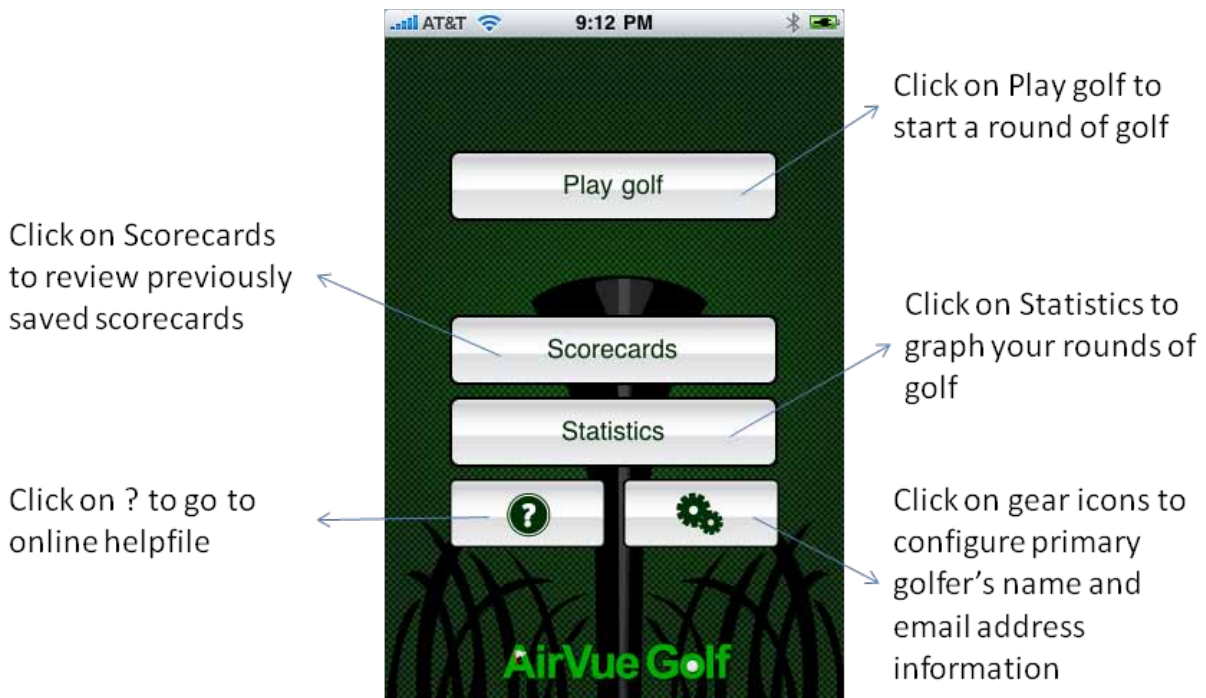


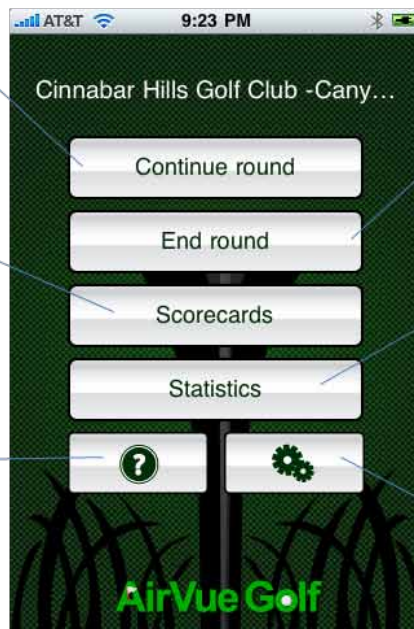
Figure 7 - Initial startup screen when starting a new round of golf

If you've already started a round of golf, you'll be presented with a slightly different selection screen to either continue or end your round of golf. See Figure 4 below for more information.

Click on Continue Round,  
to continue playing

Click on Scorecards  
to review previously  
saved scorecards

Click on ? to go to  
online helpfile



Click on End Round to  
finish your round of golf.  
You'll be asked to save  
scorecard info

Click on Statistics to  
graph your rounds of  
golf

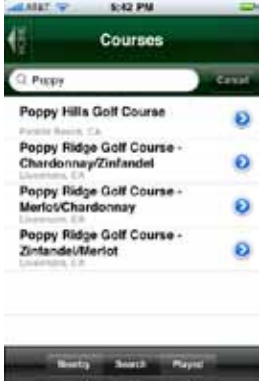
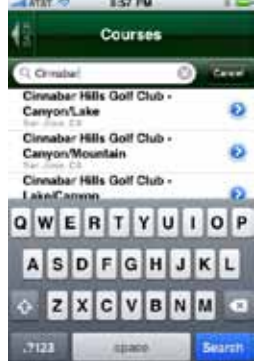
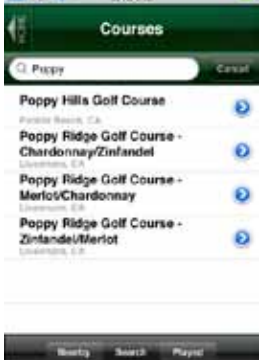

Click on gear icons to  
configure primary  
golfer's name and  
email address  
information

Figure 8 - Selection Screen when there is an active round

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## Searching & Selecting Course

After you select "Play Golf" from initial selection screen, you'll first need to find and then select your golf course.

 <p>Figure 9 – Search Courses</p>	<p>Before starting any round of golf, the first select the course you are playing. AirVue Golf has three methods for searching your course:</p> <ol style="list-style-type: none"> <li><b>Nearby Courses (iPhone 3G and 3Gs only):</b> At the bottom of the screen, click on "Nearby" to let AirVue Golf automatically search for nearby courses. <i>Note, "Nearby" requires GPS signal to pinpoint current location. "Nearby" may not work inside a building.</i></li> <li><b>Search by Name:</b> Click on "Search" to search for courses throughout the US by name. More information on searching by name is provided below.</li> <li><b>Played:</b> Click on "Played" to select a previously played or saved course. <a href="#">Click here</a> learn about how to save course info or create favorite list.</li> </ol>
 <p>Figure 10 - Search by Name</p>	<h3>Search by Name</h3> <p>Click in the text box. Type the name of the course you're searching. Be as specific as possible to keep the list size small. Press "Search" to search for courses. A maximum of 100 courses will be presented.</p> <p>If your course does not appear or no courses appear, then be less specific and search again.</p>
 <p>Figure 11 - Selecting Courses</p>	<h3>Selecting Course</h3> <p>Regardless of search mechanism, AirVue Golf will present a list of courses for selection. If no list is present, then re-enter search, or select another search mechanism.</p> <p>Once you've found your course, select that course to get started! In order to get more information on the course, click on the blue carat located to the right. You'll see the course's address and phone number (Figure 8).</p>  <p>Figure 12 - Course Details</p>

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## Adding Golfers and Start Round

Once you've selected the course, you'll have the opportunity to add names of up to 3 other golfers. Note, by default, the name entered on your first use will always appear at the top. That name can't be changed from the add golfer screen. If you would like to change the default golfer name, then you must go back to selection screen and select gear icon to re-enter a new name ([Selection Screen](#)).

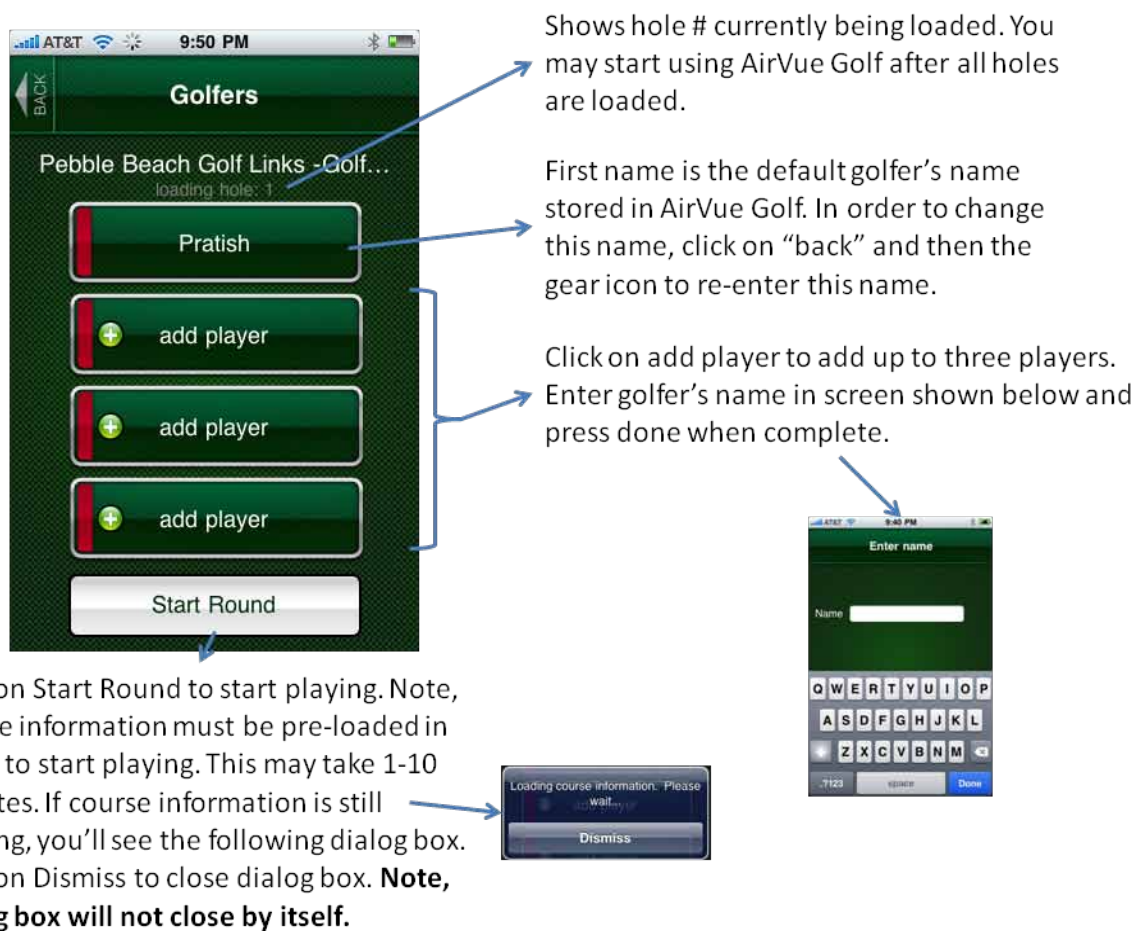


Figure 13 - Adding Golfers

Note, course information must be locally stored on your iPhone or iPod touch before you may start your round. This may take 1-10 minutes depending on connection. If you click on "Start Round" while course information is loading, you'll get a dialog box informing you that course information is still loading.

iPhone users will need 3G, Edge or Wi-Fi connectivity to load course information. iPod touch users must have Wi-Fi connectivity to load course information. Once the information is loaded on the device, you will not need network connectivity to use AirVue Golf at the course.

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## Rangefinder Functionality

Once golfers are added, press "Start Round" to start playing the course. (Note, if the course hasn't been locally stored, AirVue Golf will load the course prior to start of play. This may take 1-5 minutes depending on connection. Once finished loading, AirVue Golf will show satellite image of the hole and distances to green, hazards and fairway markers.

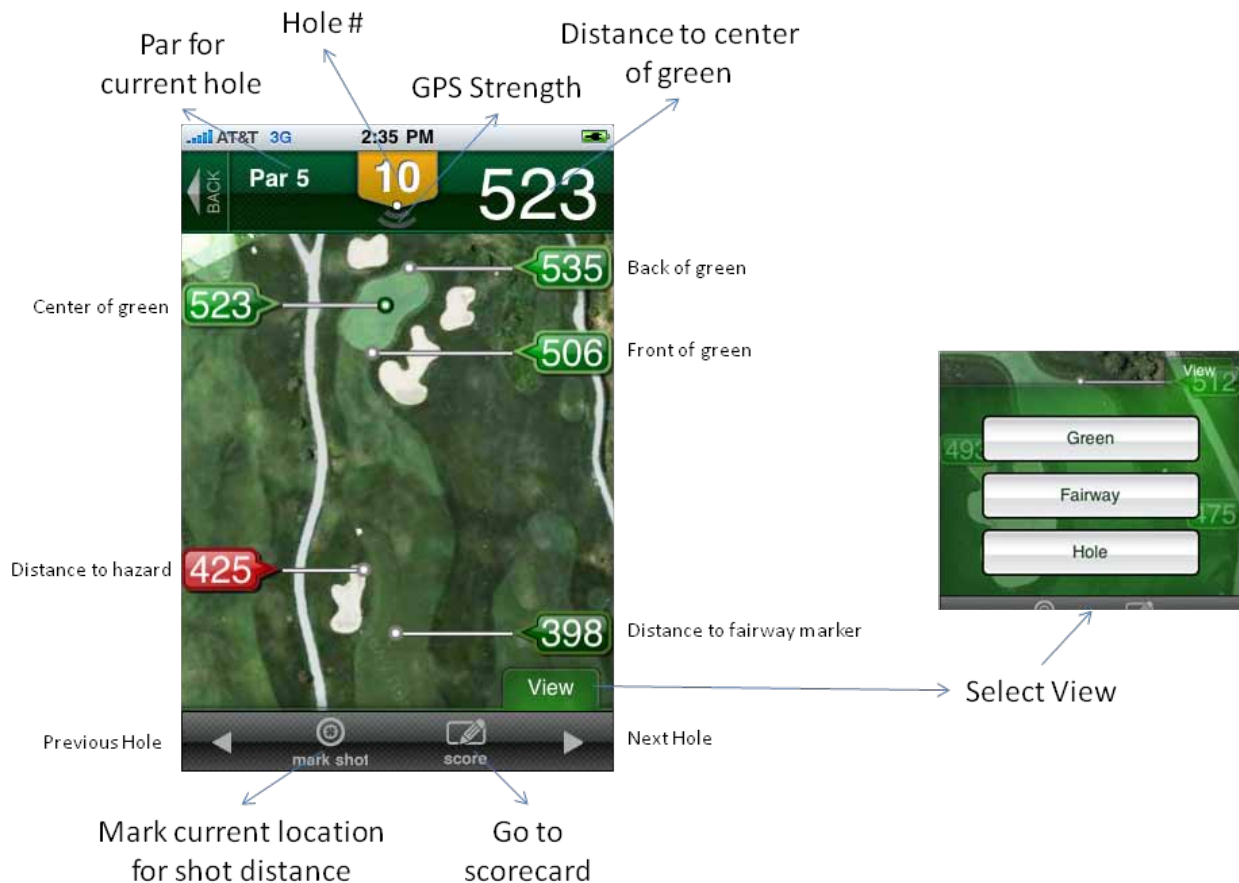


Figure 14 - GPS Satellite View Overview

When at the golf course (iPhone 3G and 3Gs only), distances displayed will be from current location, as identified by GPS to markers on the hole. If you're not at the course, then distances displayed will be from the back of the furthest tee to points on the hole.

Note, for iPod touch and 1<sup>st</sup> generation iPhone users, when no GPS information is available, distances from back of furthest tee to locations on the hole will be displayed.

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## Pre-defined Views

AirVue Golf offers three pre-defined views (Hole, Fairway & Green) for golfers to choose from. When in satellite view, just click on the view tab at bottom to select the desired view (Figure 11).



Figure 15 - Three Views

View	Description
Green	Provides a detailed view of the green. Front, center and back distances of the green are displayed.
Fairway	Provides a view of a portion of the fairway, depending on current location. You may see the 1 <sup>st</sup> half of the fairway if you're located near the tee or the back half if you're located somewhere on the fairway. When viewing the back half of the fairway, front, center and back distances of the green will be visible.
Hole	Provides a view of nearly the entire hole, from the tee to the green. In some instances, based on satellite imagery, AirVue Golf will attempt to optimize the image to get a view of the fairway and the green and the tee may not be seen.

*Note, for iPod touch and 1<sup>st</sup> generation iPhone users, distances displayed are distances from furthest tee to markers on the course.*

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## Interactive Rangefinder and Club Caddy – iPhone 3G and 3Gs

AirVue Golf has a built-in interactive rangefinder that lets you calculate distances to anywhere on the course from your current location and receive recommended club to reach that point on the course and also from that point to the green! (Note, you must have first configured your max distances in order to receive club recommendations. [Click here to configure.](#)) This is the **ultimate** tool for golfers looking to get all the needed information for the hole you are playing.

To get started, make sure you are in any satellite view. Now simply place your finger on the iPhone screen (Figure 16) and slowly move the finger around to move the crosshair to the desired location.



Distance to all markers on the course are updated to show distances from interactive rangefinder to that point. For example, from the interactive rangefinder it's only 175 yards to center of green.

**AirVue Golf recommends using you 1w club to get to the point selected and a 3w club to get to the green from that point!**

Distance from your current location to point on the course is 233 yards.

Figure 16 - Interactive Rangefinder and Club Caddy (iPhone 3G and 3Gs only)

**TIP:** This is a powerful tool to assist in planning your game. Use the interactive rangefinder capability to plan your lay up shot. How far is the distance to the creek and then see how many yards are left from that hazard to the green?

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## Measuring Distances – iPod touch and 1<sup>st</sup> generation iPhone users

The iPod touch and 1<sup>st</sup> generation iPhone do not have a built-in GPS. Distances displayed on non-GPS enabled devices are calculated from the back of the furthest tee to the market. Note these distances may not match the distances on the scorecard at the course, due to variations of center of green and tee locations.

In order to calculate distances to locations on the course, simply slide your finger on the touch screen and AirVue Golf's interactive rangefinder will show distances from the furthest tee to the location under the crosshair. Additionally, all other marker distances will be updated to show distances from the crosshair to the market location.



All other distances are then automatically recalculated from crosshair to identified markers

Distance from furthest tee to point under crosshair. Slide finger on screen to measure distances to any location on the hole.

Figure 17 - Rangefinder - iPod touch and 1<sup>st</sup> generation iPhone only

*Note, for iPod touch and 1<sup>st</sup> generation iPhone users, distances displayed are distances from furthest tee to markers on the course.*

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### Shot Length – iPhone 3G and iPhone 3Gs only

AirVue Golf has a built-in shot length measuring capability. This functionality requires access to GPS location, therefore is only functional on iPhone 3G and iPhone 3Gs devices. In order to measure shot length, you must first be in rangefinder view and on the course and the hole.

In order to measure shot length, simply click on the “mark shot” button from the point where you hit the ball. And then when you get to the ball, AirVue Golf will display straight line GPS distance from where you hit the ball to the ball.

When you get to the ball, AirVue Golf calculates straight line GPS distance from where you hit the ball to the ball.



Click on mark shot to start measuring

Figure 18 - Shot Length Tool

Click on mark shot again to exit shot length tool.

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## Scorecard

AirVue Golf has a built-in scorecard to record detailed data for you and 3 of your partners. As you play your round of golf, you may record any of the following information:

1. Shot count
2. # of putts
3. Penalty strokes
4. Sand shots

If you enter # of putts, penalty strokes and sand shots, AirVue Golf will automatically calculate Greens in Regulation (GIR) and Scrambling.

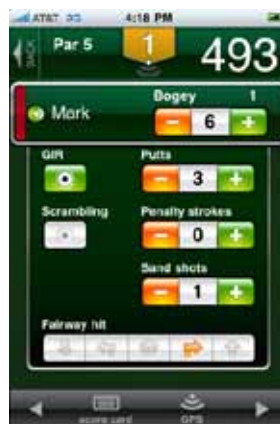


Figure 19 - Detailed Scorecard entry

The sections below detail entering score information into AirVue Golf's scorecard.

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## Entering Basic Score Information

From the satellite view, click on the score icon as seen below in Figure 16 to enter score information for yourself and 3 of your partners.



Figure 20 - Click Score to enter score info

After you click on "score", you'll see the following screen to enter shot count information for up to 4 players. .

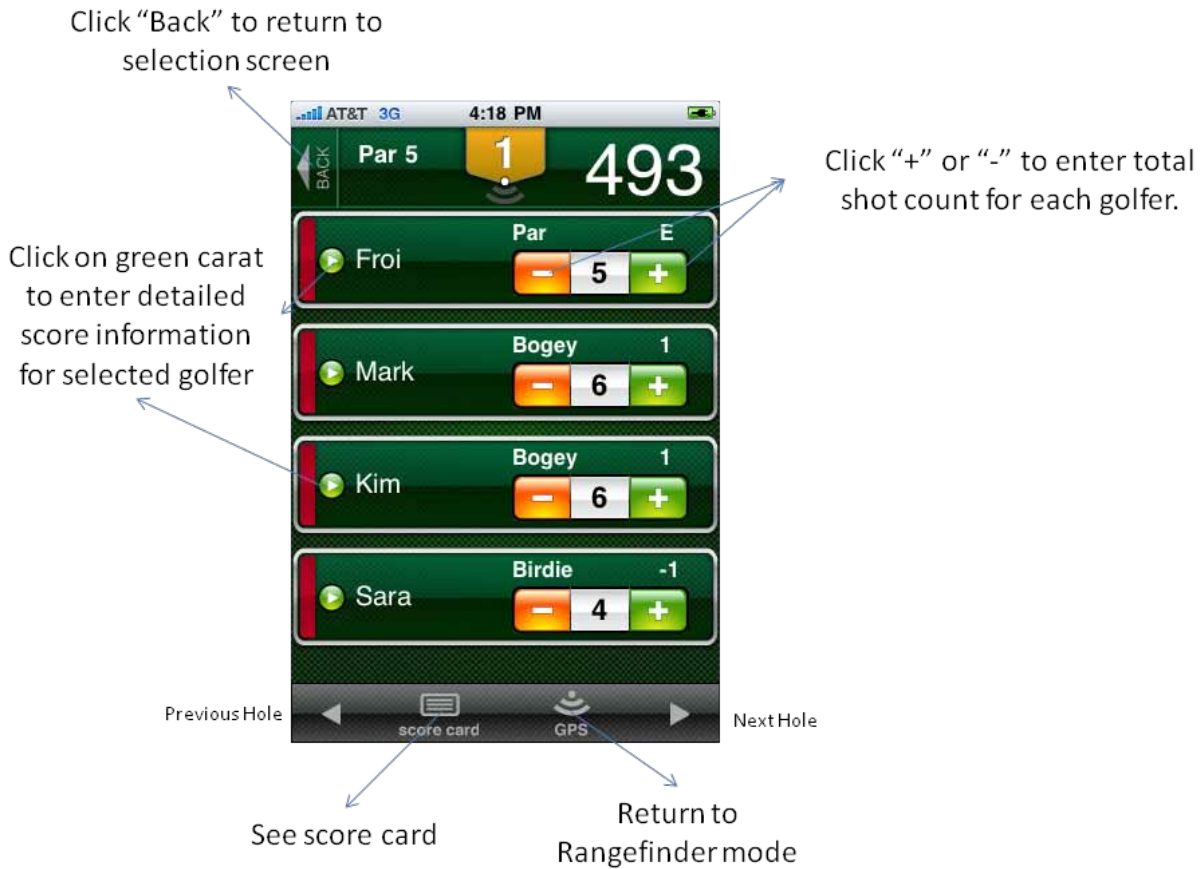


Figure 21 - Entering total shot count information

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## Entering Detailed Score Information

AirVue Golf keeps track of shot count, and also number of putts, penalty shots and sand shots. You may enter detailed score information for up to 4 players. In order to enter detailed score information, first enter score screen, as shown in previous section. Then for the desired golfer, click on the green carat to open a secondary screen to enter detailed score information.

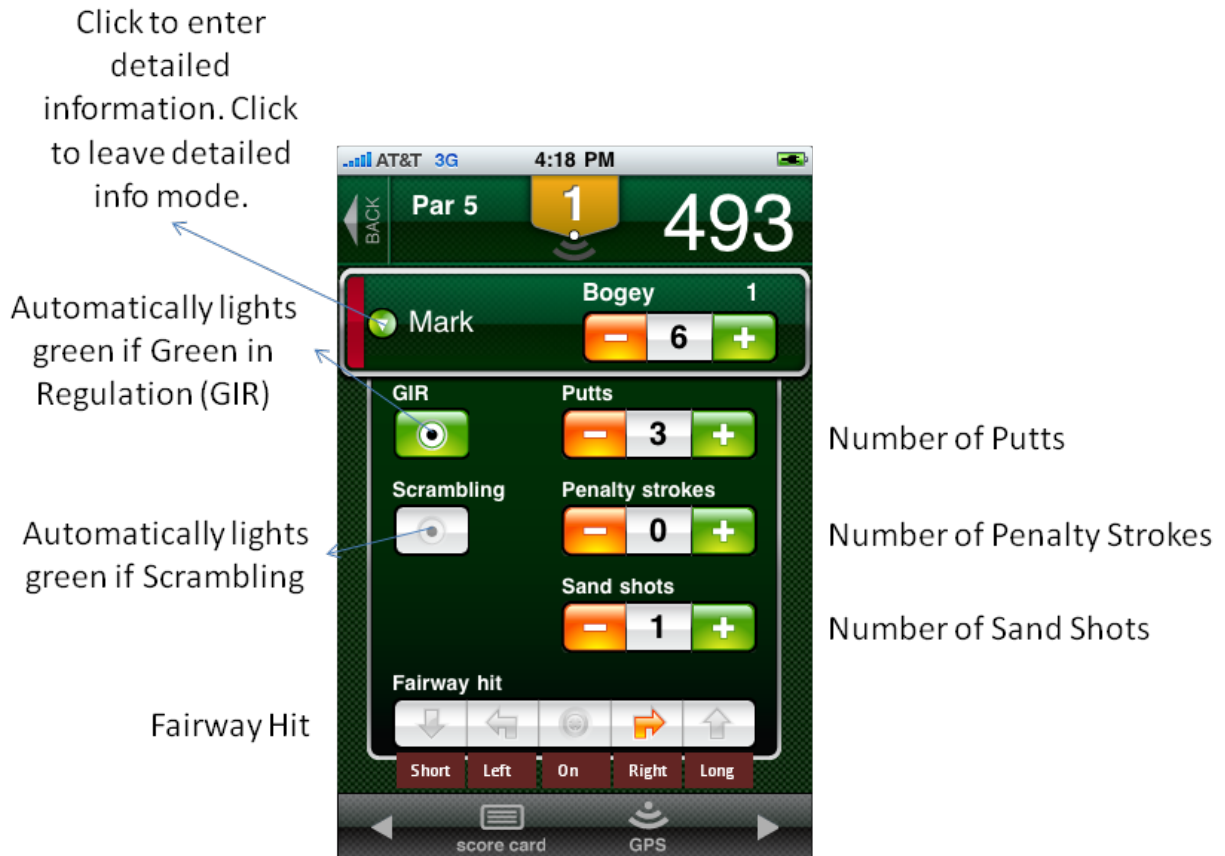


Figure 22 - Entering Detailed Score Information

Note, before you enter detailed information for a golfer, you must enter the total shot count first.

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## Viewing Scorecard

At any time during your round, you may view your scorecard to see a summary or details of your round. In order to view the scorecard, you'll first need to enter score enter screen, either basic or detailed, as outlined in previous two sections.

Once in that view, click on score card to view the score card.

AirVue Golf												Done	
Hole	10	11	12	13	14	15	16	17	18	In	Tot		
Men's par	4	5	3	4	4	4	4	3	5				
John	4	5	4	4	3	5	4	2	4	35	74		
	3	3	4	4	3	4	4	3	2	-1	2		
Mark	4	5	4	4	4	5	4	2	6	38	77		
	3	3	4	4	4	5	5	4	5	2	5		
Kim	5	4	4	4	3	5	4	5	6	40	80		
	5	4	5	5	4	5	5	7	8	4	8		
Sara	4	6	2	5	5	4	4	3	5	38	80		
	6	7	6	7	8	8	8	8	8	2	8		
Women's par	4	5	3	4	4	4	4	3	5				

To view the back 9, simply slide your finger to the left on the screen to move to the back 9. And from the back 9, to view the front 9, slide your finger to the right on the screen.

To view detailed score information, click on a name and detailed score information will appear below the selected name.

AirVue Golf												Done	
Hole	10	11	12	13	14	15	16	17	18	In	Tot		
Men's par	4	5	3	4	4	4	4	3	5				
John	4	5	4	4	3	5	4	2	4	35	74		
	3	3	4	4	3	4	4	3	2	-1	2		
Putts	2	2	3	2	1	1	1	2	1	15	31		
GIR	●	●	●	●	●			●	●	77.8%	61.1%		
Fairway hit	➔			●	●	➔	➔		●	33.3%	22.2%		
Scrambling		●					●		●	33.3%	33.3%		
Penalty strokes										0	1		
Sand shots		1				1			1	3	4		
Women's par	4	5	3	4	4	4	4	3	5				

When done, click on "Done" to return back to previous screen.

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## Graphing & Visual Stats Functionality

After you've saved your first scorecard, you may use AirVue Golf's visual stats functionality to graph your play. AirVue Golf supports graphing the following stats:

1. Green in Regulation (GIR)
2. Putts per Hole
3. Putts per GIR
4. Driving Accuracy
5. Scores Relative to Par
6. Scores by Par
7. Scrambling

In order to view visual stats, you'll first need to go to the initial selection screen and select "Statistics" from that screen to visually graph your rounds.

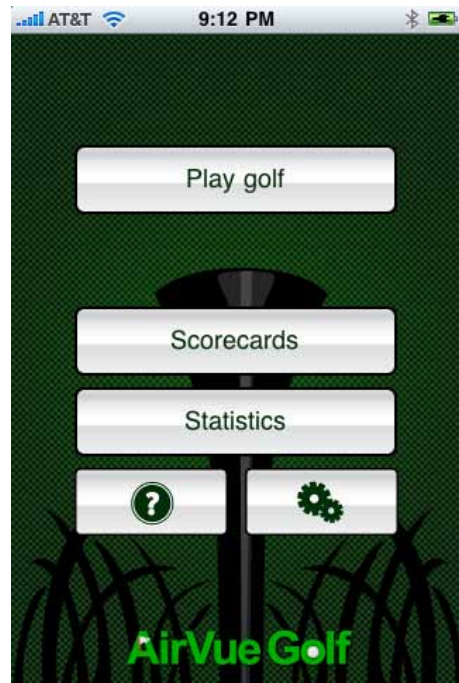
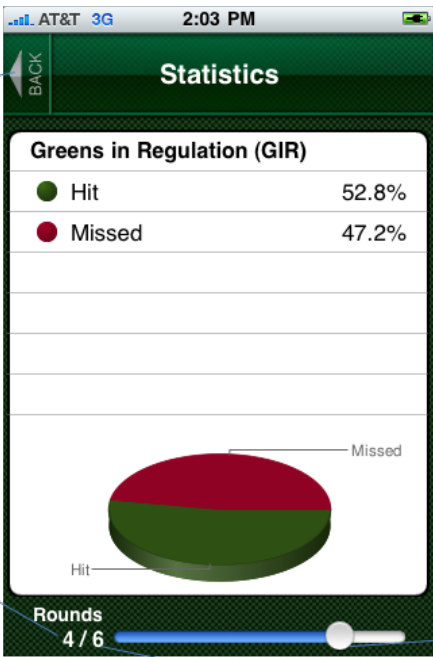


Figure 23 - Selection Screen

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## Viewing Visual Stats

After clicking on "Statistics", you'll automatically see a graph for Greens in Regulation (GIR).



The screenshot shows a mobile application interface for "Statistics". At the top, there is a "BACK" button. Below it, the title "Statistics" is displayed. The main content area is titled "Greens in Regulation (GIR)" and contains a table with the following data:

Category	Percentage
Hit	52.8%
Missed	47.2%

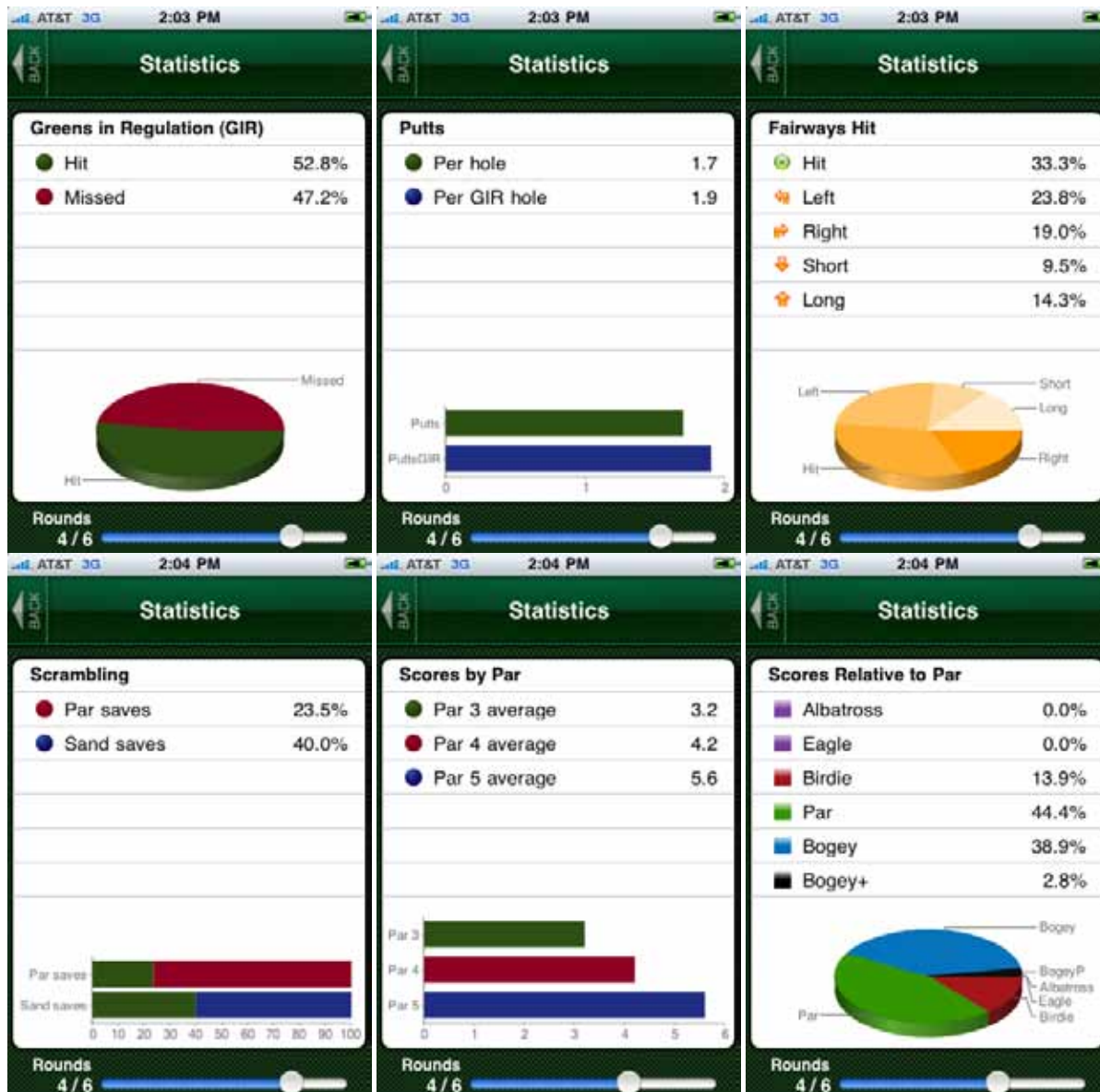
Below the table is a 3D pie chart representing the data. The chart is divided into two segments: a green segment labeled "Hit" and a red segment labeled "Missed". At the bottom of the screen, there is a slider control labeled "Rounds 4 / 6".

Annotations on the image:

- An arrow points to the "BACK" button with the text: "Click on Back to return to selection screen".
- An arrow points to the "Rounds 4 / 6" label with the text: "1<sup>st</sup> number changes based on slider position. Indicates how many rounds to graph. 1 would indicate just the latest round. 2 would indicate the latest 2 rounds. Etc.".
- An arrow points to the slider bar with the text: "2<sup>nd</sup> number indicates number of saved rounds".
- An arrow points to the slider bar with the text: "Move slider to change number of rounds to graph".

In order to see other stats, simply slide your finger on the screen from right to left. You'll see all the other graphs one by one. To go back, simply slide your finger from left to right to return to previous graph.

Below are examples of graphs available with AirVue Golf v2.



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## Deleting Course from Played List

You may want to delete a course from the “Played” list to create more space or if you don’t golf at that course any more. To delete a course:

1. Go to “Played” list. [Click here](#) to learn more about how to get to “Played” list.
2. Identify the course you’d like deleted.
3. Gently slide your finger from left to right on the course to be deleted.
4. Click on “Delete” button. The course will be deleted.

Deleting course will still allow you to play the course. Deleting the course only removes the locally stored copy of the course. You will need to reload the course to play that course again.

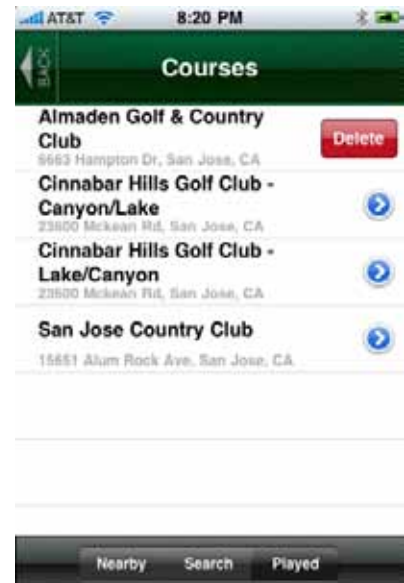


Figure 24 - Deleting Played Course

## Deleting Scorecards

You may want to delete saved scorecards from AirVue Golf. To delete a scorecard:

1. Go to Scorecards list, by selecting “Scorecards” from selection screen.
2. Identify the scorecard you’d like deleted.
3. Gently slide your finger from left to right on the scorecard to be deleted.
4. Click on “Delete” button. The scorecard will be permanently deleted.

Deleting scorecards will permanently remove that scorecard from your iPhone / iPod touch. Once deleted, the scores from that scorecard will not be part of visual stats.

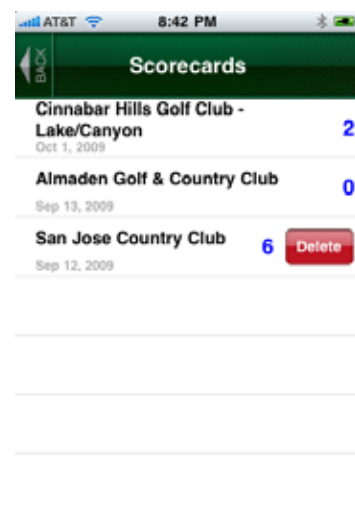


Figure 25 - Deleting Scorecards

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## Improving Battery Life

Your iPhone 3G or 3Gs and iPod touch are powerful compact devices. Using the GPS, 3G or Wi-Fi connectivity and displaying imagery on the screen can quickly drain your battery. We recommend the following to ensure battery life lasts through your entire round of golf.

1. Start with a fully charged battery.
2. Adjust screen brightness so that it's bright enough to see, but not too bright to impact battery life. Since you are playing outdoors, most likely in the bright sun, you may have to keep brightness up high to view the screen.
3. After getting the data needed, click on button at top of phone to shut down display and turn off GPS.
4. When you need to get yardage information, start your phone. **Note, please start this process about 15 seconds before you need the data, as the iPhone 3G or 3Gs and iPod touch takes about 15 seconds to get started and get a lock on GPS signal to accurately calculate distances.**
5. Turn off Wi-Fi if there is no Wi-Fi coverage where you are.
6. Turn off 3G on your phone. As the course information is pre-loaded, you won't need to load course information while you golf.
7. Visit [AirVue Golf's Tips on Extending Battery Life](#) page for more information.

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## General Suggestions

Here are some general suggestions to improve your experience with AirVue Golf.

1. If going to a new course, check whether course yardage hole-by-hole information is available in AirVue Golf. If you can check 7 days in advance, you can request that course be digitized so when you are ready to go golfing, necessary yardage information is ready for use.
2. In order to use auto-hole sensing to automatically go to the current hole, we recommend you turn the phone on while in the vicinity of the tee-box. AirVue Golf automatically detects hole number at tee location and displays the correct hole. If hole sensing does not work, then use the next hole or previous hole buttons to go to desired hole.
3. The iPhone 3G or 3Gs take about 15 seconds from start to reliably lock onto a GPS signal. About 15-30 seconds prior to using AirVue Golf, we recommend starting your iPhone 3G or 3Gs to ensure that the iPhone is ready for use and the GPS data is properly displayed.
4. Best yardage calculation is achieved when cell signal and GPS signals are received. If one or both are not received, then your distance quality will be poor. Look at GPS meter at top right corner of your iPhone screen for current GPS signal strength.
5. If you know you are going to a course with poor or no cell network coverage, pre-load the course onto your iPhone so all the yardage information and the satellite imagery is available for use.

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## Contacting Support

Locaxion is interested in hearing from you. If you have suggestions on improving our product, requesting hole-by-hole information or have encountered a problem with AirVue Golf, please contact us via the emails below. The emails will be automatically forwarded to the right person. We try and respond back to all emails within 24 hours.

[support@locaxion.com](mailto:support@locaxion.com) – Use this email, to report a bug, or if you encountered a problem while using AirVue Golf.

[course@locaxion.com](mailto:course@locaxion.com) – Use this email, to request hole-by-hole information for a specific course. Please provide as much detail about that course, such as course name, address, city, state and when you intend to go golfing there. Note, if you requested a course directly from your iPhone, you do not need to also send us an email.

[features@locaxion.com](mailto:features@locaxion.com) – Would you like to see a new feature implemented in AirVue Golf, send us an email to let us know. We are not able to implement all requested features, but definitely want to continue improving the product based on your feedback.

Visit <http://www.airvuegolf.com/> to search for courses in our database.

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## **Supported Platforms**

AirVue Golf is supported on the iPhone and iPod touch platforms running V3 or greater software. Please note that only iPhone 3G and 3Gs support GPS functionality to pinpoint current location and provide actual distances from current location to points on the course.

If you are interested in Blackberry, Windows Mobile or G1 support, please [contact us](#) and let us know. We're creating an email list to notify users when new platforms are ready.

If you have any questions on supported platforms, please contact support via email at [support@locaxion.com](mailto:support@locaxion.com).

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