

Golf Buddy User Guide

FCC NOTICE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITION:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDERSIRED OPERATION.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE : The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

1. Introduction To Your GolfBuddy

1.1 What is GolfBuddy

GolfBuddy is the world's simplest, most powerful rangefinder created especially for golfers. Regardless your handicap, GolfBuddy can elevate your game by providing better information about the golf courses throughout the world. GolfBuddy automatically provides distances to critical targets on a hole from wherever you are on the course whether you can see them or not. Once you start using GolfBuddy, you won't want to play golf without it again. Ultimate in simplicity, yet powerful, you will enjoy easy access to professional information right in the palm of your hand.

1.2 What GolfBuddy can do

While playing, golfers need advices for more pleasurable game. GolfBuddy provides with the most needed advices which only professional caddies can give. Among them are:

- To compute the distance to targets
- To select appropriate club
- To read lie of the green
- To advise for the best shot

GolfBuddy will be sure to satisfy all the players regardless how skillful they are or which golf course they are playing on.

1.3 Why GolfBuddy

- **Portable and Powerful.** Just let GolfBuddy see the sky, and it will do all the yard work for you! With the weight of only 85g, it goes anywhere at your wrist or in your pocket. GolfBuddy can provide you more accurate information than the any other expensive devices about the place where you are playing.
- **Simple to Play.** Just power on GolfBuddy 3 minutes before you start the game. GolfBuddy automatically recognize the course, hole and all the targets there. Just relax and focus on your play.
- **Easy to handle.** When you want to change or confirm the information, easy handling of jog key can finish all the jobs.
- **Worldwide availability.** When you plan to schedule the game, check whether the device contains the data of the golf course. If not, go to the website of GolfBuddy at www.gpsGolfBuddy.com and download the data on golf courses worldwide.

2. Features

2.1 Features

Main Unit

Dimension(mm): 53(w) X 82(l) X 26(d)
Weight : 85g
Display : LCD(128X64)
PC interface : Serial
GPS Channel : 8
Error range : 1~5 m
Course : 30EA(bases on 18 holes)
Working Temp : 0~40C
Battery : AAA size X 2

Antenna

Although this device has been designed to give the best performance under the widest variety conditions, the device obtains the best signal when oriented vertically. Do not attempt to remove the antenna. Damage may occur to the antenna or device.

Replacing the Battery

1. Power off and hold the unit with your left hand back side on the top.
2. Press the battery cover slightly and push downside until it opens.
3. Input 2 AAA size batteries properly. Do not mismatch them lest they should give hazardous influence on the parts inside the unit.
4. Close the cover.
5. Power on the unit and select the kind of battery at the main-setup-battery condition.

Belt Clip Button

The belt clip button on the back of the device is removable. Do not lose the screw. When reinstalling, do not over tighten.

Moisture/Water proof

Even GolfBuddy can be used under any circumstances it is not invincible water or dustproof. If you suspect that water or other fluid has entered the device, discontinue use immediately. Open the device and let the device dry indoors for 48 hours. Do not attempt to disassemble the device further.

Cleaning of GOLFBUDDY casing and soft keys

Carefully use a clean and slightly damp cloth to clean the case, keyboard, and display. Do not use any soap or other cleaners..

Supplied Accessories

Additional supplied accessories can be purchased at the www.decasys.co.kr.

Personal Security Features

Your GolfBuddy contains a unique electronic serial number ("ESN") similar to a cell phone. The ESN serves to protect your system from unauthorized use. It also simplifies and automates access to software updates as well as thousands of pre-recorded golf courses ready to use with your GolfBuddy.

2.2. Function of Botton

GolfBuddy has 3 buttons: Power, Mark, and Function buttons.

Power Button(Cancel key)

Right button under the display is the Power Button. To power on the device hold the button in until the display activates. The device's power-off can be done by holding the same button. Usual times for the Power on and Power off are 1 and 3 second respectfully.

While the device is running, Power Button is also used as Cancel Key.

Mark Button

Mark Button shows the distance of your shot. Stand at the location where you try each shot and press the "Mark Button" button on the right side of the Unit. Confirm "Yes" by press Mark Button once again to the question "Mark New Position?" Then GolfBuddy automatically calculate the distance of each press of the button until you mark another spot.

Function Button

Left button under the display is Function Button with jog key. Details are explained later.

2.3 Description of LCD icons at Play Mode

When the device acquires GPS satellite signal and golf course successfully, Play Mode is shown on the display. The icons of the Basic Mode mean as follows:

Satellite Signal Strength

First indicator on the top line of GolfBuddy's LCD display shows you the quality of the signal you are receiving from the GPS satellites above. Notice the number of bars in the meter. This key will help you understand what this indicator means.

Hole number and Location of flag

Second indicator on the top line next shows the hole number and location of flag. For example, H15R means that you are on 15th hole and today's flag in at the right green.

Par

Next indicator shows that the hole is Par4.

Battery indicator

This indicator shows the battery remaining.

Green view

A shape at the right middle of the display shows the shape of Green. L(or R) means Left(or Right) green is in use.

Distance to Green

Three rows at the left middle of the display shows the distance to the Green. The characters of B, C, F means Back, Center and Front of the Green respectfully. The numbers Next to the characters can be shown either in Yard or Meter.

3. How to Operate GolfBuddy

3.1 Menu Tree

- Play Mode
 1. Hole selection(4.1.1)
 2. Green selection(4.1.2)
 3. Target view(4.1.3)
 4. Big Number(4.1.5)
 5. Basic mode
- Basic Mode
 1. Yard/meter(4.1.6)
 2. Add target(4.1.7)
 3. Menu mode
 4. Measure mode
- Menu Mode
 1. Select course(3.4)
 2. Setup mode(3.5)
 3. Advanced mode(3.6)
 4. Information(3.7)
- Measure Mode

3.2 Turning GolfBuddy On and off

Press the Power Key around 1 second to turn the device on until GolfBuddy logo is shown on the display. Turn on GolfBuddy 3 minutes prior to play to have enough time acquire GPS satellite signals. GolfBuddy must be outside, with a clear view of the sky, for it to compute distances.

To turn GolfBuddy off, press and hold down the **Center Soft Key** (approximately 3 seconds) until GolfBuddy confirms whether you want to turn it off. Select “**Yes**” to turn it off.

3.3 Start GolfBuddy automatically acquiring GPS Signals and finding Golf course

When turned on, GolfBuddy will automatically go through its satellite signal acquisition sequence then advance to find the golf course where the device is located. Normally you do not have to press any buttons and the sequence is carried out automatically.

Each bar that appears across the bottom of the screen represents the relative signal strength from an individual satellite. GolfBuddy must see signals from several satellites for a period of time to collect enough information to begin play.

3.4 Select Course Manually

You can select the golf course manually when needed. By pushing jog key upward left at Basic Mode you can moves to Menu Mode. Select “course selection” and list of golf courses deposited at the device is displayed. Moving jog key, select the name of the course you are playing.

3.5 Setup Mode(P->B->M->Setup)

At Menu Mode, select Device Setup. Then you can move to Setup Mode.

AtGreen Mode

Meter or Yard

You can choose among Yard/Meter/Kilometer. When Kilometer is chosen, distance less than 1 Km displayed as 0.

Language

Moving Jog key, you can select English or Korean.

Backlight

The lighting time varies from 0(Off) to 600 seconds and Always. Time can be changed at the increment of 10

seconds. Default setup is 30 seconds.

LCD Contrast

You can choose the brightness from 3 to 63. Default setup is 11.

Recognize Course

You can decide automatic or manual selection acquiring course information. Default setup is Automatic.

Recognize Hole

You can decide automatic or manual selection acquiring hole information. Default setup is 1. This function can be carried out at the Basic Mode by push jog key upward.

Green selection

When the hole has two greens, you can choose Right or Left green. GolfBuddy shows the information from its data automatically.

Tee Box Area

You can specify the size of Tee Box from 10 to 50 meter at the increment of 1 meter.

Green Area

You can specify the size of Green from 10 to 60 meter at the increment of 1 meter.

Dynamic Green View

When this setup is On, GolfBuddy shows the nearest green automatically.

Time Zone

GolfBuddy acquires the time information from GPS satellite. But according to the summer time change, you can modify the time by 30 minutes.

Summer Time

You can adjust according to summer time.

Battery setup

You can choose the kind of Battery among Alkaline, Li-ion and Ni-MH. It affects the battery indicator. New Alkaline battery lasts 5 hours in normal condition.

3.6 Advanced setup mode

Explained later at 4.2.

WebSink

Edit course

Delete course

GPS initiate

NMEA out

General measuring

Ex measuring

Initiate measuring

3.7 Information review

Current time

GPS Information

Course Information

System Information

Firmware Information

Company profile

4. Playing with GolfBuddy

4.1 Basic Functions

4.1.1 Select hole(P-> right)

GolfBuddy assumes that you will play in the right order from hole 1 or 10. If you change the order of the hole, you can select the hole manually. By pushing jog key to right at the Play mode.

4.1.2 Select green(P-> upward)

By pushing the jog key upward at the Play mode you can choose which green you target this time.

4.1.3 Target view(P->downward)

When you push the jog key downward at the Play mode, GolfBuddy shows information of other targets such as Bunkers and Hazards which have been put into data in advance.

4.1.4 Calculate distance(P->Mark)

With GolfBuddy you can calculate the distances of your shot. At play mode, push Mark Button at right. Answer "yes" to "Mark New Position?" Then GolfBuddy shows the distance from the New Mark step by step. If you want to clear the Mark, push Cancel/Power button. Repeating this process, you can see the automatic calculation of each shot.

4.1.5 Big number(P->push)

By push the jog key in the middle, you can see the distance to center of the green in big character. To push once again get the display back to Basic Mode.

4.1.6 yard/meter(P->B->yard/meter)

GolfBuddy show the distance in 3 measures, yard, meter and kilometer. You can adjust the measures at your choice at Basic Mode.

4.1.7 Add Target(P->B->add target)

You can add new targets which are not contained in your GolfBuddy. In order to edit,

- Push jog key to left and select Edit Target.
- Select new target and enter the name of your choice.
- At the staring point, press Mark Button
- At the target point, press Mark Button again.

4.2 Advanced Functions

4.2.1 Add or edit course(P->B->M->Advanced-> Edit Course)

In case your GolfBuddy has not contained the information on the course you want to play, you can make it by yourself.

- Using jog key, you can name the course as your choice.
- Select the hole number and appropriate Par number, and confirm.
- When you get Tee Box, select TB(Tee Box) and press Mark button around 5 second until GolfBuddy measures the Tee Box location.
- When you get Green, select LG(Left Green) Front and press Mark button around 5 second until GolfBuddy measures the front of left green location. Do the same at Green Center and Green Rear.
- Repeat the whole courses.
- When you finish all the holes press cancel key and confirm to save the data.

4.2.2 Delete Course(P->B->M->Advanced->Delete Course)

If you find out that the course contained in your GolfBuddy is not useful anymore, you can delete it.(GolfBuddy contains data on up to 20 courses)

- Using jog key, you can select the course you want to delete, and confirm.

4.2.3 General Measuring(P->B->M->Advanced->General Measure)

In case your GolfBuddy has not contained the information on the course you want to play, you can make it by yourself. General Measuring cannot provide graphic information unlike Precise Measuring explained at 4.2.4.

- Naming and course and specify the hole information
 1. Using jog key, you can name the course as your choice.
 2. Select the hole number and appropriate Par number, and confirm.
- Tee Box Measuring
 1. When you get Tee Box, select TB(Tee Box)
 2. Press Mark button around 5 second until GolfBuddy measures the Tee Box location.
 3. Laying the device vertically circle along the tee box **and make 6 measuring points by pressing mark button.**
 4. Returning the starting point press cancel key.
- Target Measuring
 1. When you get Target, select User Target
 2. Using jog key, you can name the target as your choice.
 3. Press Mark button around 5 second until GolfBuddy measures the Target location and press Mark button again.
 4. Press cancel key and confirm to save the data
 5. GolfBuddy can contain up to 13 targets per hole.
- Green Measuring
 1. When you get Green, select LG(Left Green) Front.
 2. Press Mark button around 5 second until GolfBuddy measures the front of left green location.
 3. Laying the device vertically circle along the green **and make 20 measuring points by pressing mark button.**
 4. Press cancel key
 5. Do the same at left Green Center.
 6. Do the same at right Green.
- Repeat the whole courses.
- When you finish all the holes press cancel key and confirm to save the data.

4.2.4 Precise Measuring(P->B->M->Advanced->Ex Measure)

After measuring new course, upload to Decasys. Then Decasys make it into graphic information for you own use. Measuring methods are the same with 4.2.3.

4.2.5 Verify Measuring(P->B->Measure Mode)

- At Measure Mode press mark button.
- Press cancel key and confirm to save.

! NOTICE when you measure and verify

- Measuring and Verification data records the data at flash repeatedly every second. Data recorded will be saved 5 hours. So
- Initiate the flash before to measure new course.(M->Advanced->Ini)
- After upload the data to Decasys, initiate flash before measure new course.
- More accurate result enables to lay the device vertically to see the GPS satellite

4.3 Register and Download

4.3.1 System Requirement

- Microsoft Window 98/NT/2000/XP
- Microsoft Explorer 6.0 or up
- RAM of 16MB or up
- Serial Port or USB to Serial Adaptor

4.3.2 Register

When you purchase GolfBuddy, you are strongly advised to register and join the membership of GolfBuddy in order to receive the online support from GolfBuddy.

- Attach data cable to the serial port of your PC and other side to the bottom of GolfBuddy.
- Press Power Button to activate the device.
- At Menu Mode, select "Advanced menu" and "Weblink".
- Go to GolfBuddy homepage at www.gpsGolfBuddy.com
- First user should input the serial Number written at the back of the Device.
- Select the kinds of membership at your choice.

4.3.3 Download data through Internet

- Connect your GolfBuddy to PC and power on the device.
- Go www.gpsGolfBuddy.com
- Click "Connect with the Device" to reach :My GolfBuddy"
- You can add or delete the golf course data to or from your GolfBuddy.
- Finishing download close the window.

4.3.4 Upgrade Firmware

- Connect your GolfBuddy to PC and power on the device
- At Menu Mode, select "Advanced menu"and "Weblink".
- Go to GolfBuddy homepage at www.gpsGolfBuddy.Com
- Log in.
- Click "Firmware Download".
- Finishing download disconnect the cable and restart GolfBuddy.
- Do not remove cable or power off the device in order to avoid unnecessary breakdown.

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