GOLFJOY



GDA21

User Manual

V1.0

Overview

The GDA21 is a smart all-in-one device designed specifically for outdoor golf driving ranges. Integrating data measurement, training guidance, simulation, and entertainment features, it offers a complete all-scenario solution-from basic swing practice to simulated course play and competitive gaming. It is widely suitable for golf training and instruction, recreational leisure, and golf events.

System Description

- **Launch Monitor System**

  The GDA21 features a triple-lens high-speed camera sensor, built-in high-performance processing chips, and self-developed AI algorithms that deliver powerful computing capability. It accurately measures a full range of golf ball data and is compatible with both left-handed and right-handed players.

- **Swing Analysis System**

  The GDA21 features a high-frame ultra-wide camera and LED fill lighting, enabling clear capture of the full swing motion even in low-light conditions.

- **Simulator system**

  The GDA21 features a low-power, high-performance Android terminal motherboard and runs the GOLFJOYPRO simulator.

Product Introduction

GDA21 Introduction



①Display cover

②Display screen

③Speaker

④LED fill light

⑤Sensor indicator light

⑥High-frame-rate camera

⑦Sensor rain shield

⑧Triple-lens sensor

⑨Power button

⑩Microphone

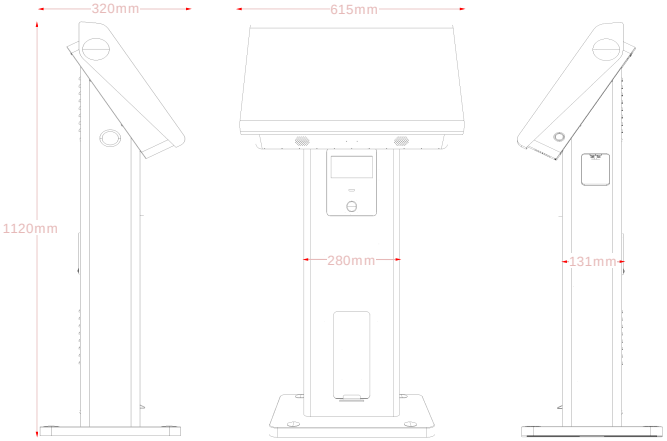
⑪HDMI expansion port

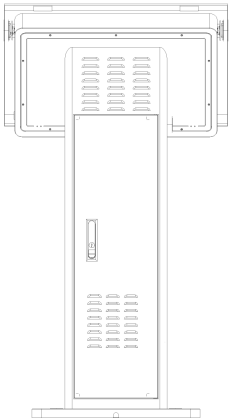
⑫Wi-Fi antenna

⑬Cabinet lock

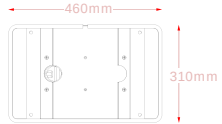
⑭Mounting screw holes

Product Dimensions









Product Specications

Specications

Hardware Features	
CPU	CPU RK3588 octa-core/ 8 GB RAM/ 128 GB / Wi-Fi + Bluetooth/ HDMI
Sensors	Triple-lens high-speed camera sensor
Display	21.5 inches, 1500cd/㎡, 1920*1080
Power Input	110V~240VAC
Power	≤250W
Software Features	
Operating system	Android 12

Interface Description

Interface Name	Description
Network Interface	Wi-Fi, 2.4GHz/ 5GHz
HDMI Interface	HDMI expansion port

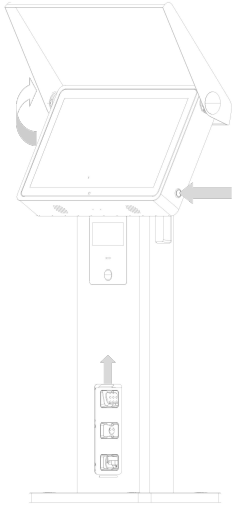
General Specications

Work Environment	
Operating temperature	-20℃ ~50℃
Storage temperature	-30℃ ~70℃
Humidity	20%~90%

Mechanical parameters	
Dimensions	615(W)*1120(H)*320(T)mm
Net weight	30kg
Shell	Metal

Product User Manual

Power On/Off



- **Power Button**

  After the device is powered on, briefly press the power button to turn it on; press and hold the power button to turn it off.

Open/Close the display cover

- **Display Cover**

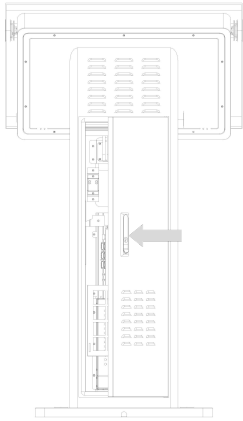
  Open the display cover when using the device. Close it after power-off to protect the display.

Open/Close the rain shield

- **Sensor Rain Shield**

  When using the device, pull the rain shield up to the topmost position. After power-off, pull it down to protect the sensor lenses.

Open/Close the cabinet door



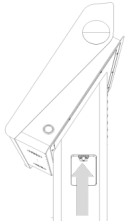
- **Cabinet lock**

  Insert and turn the key, then press the unlock button. The lock will automatically release, and you can open the cabinet door.

External display or projector

- **External HDMI Port**

  To connect an external display or projector, unscrew the protective waterproof cap of the HDMI port and insert the HDMI cable.



Sensor LED Indicator Status

- When the device is powered on and the sensor does not detect a ball, the LED indicator lights up in blue.

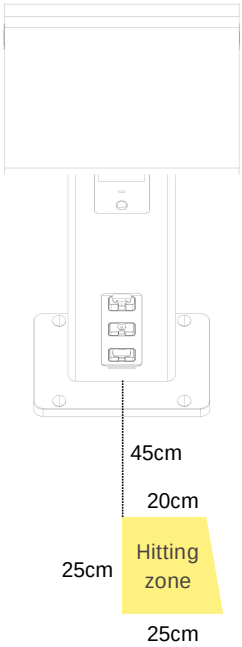


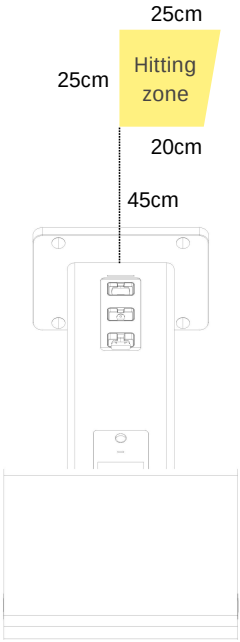
- When the sensor detects a ball, the LED indicator lights up in green.



Sensor Detection Area Instructions

Right-handed	Left-handed

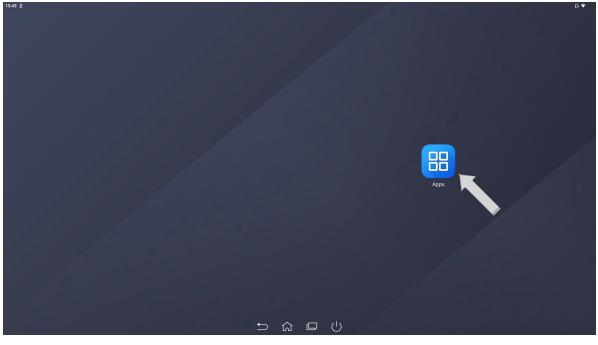




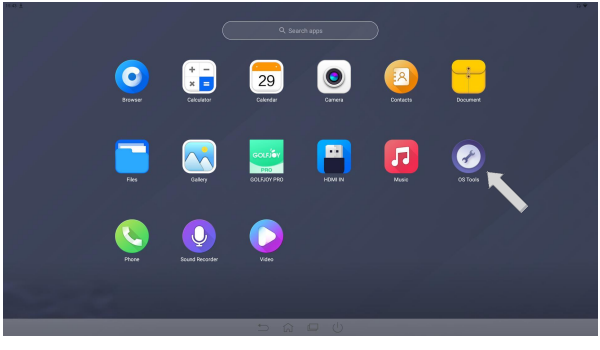
Connect to a Wi-Fi network

- When using the device for the first time, please connect to a Wi - Fi network first. The steps are as follows:

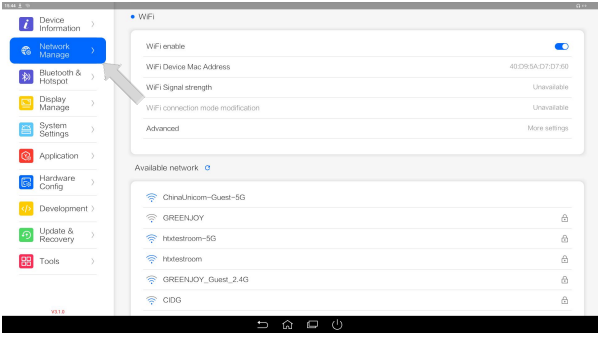
1.Exit the GOLFJOY PRO APP, return to the home screen, and tap the "Apps" icon.



2.Tap "OS Tools" to enter the system settings.



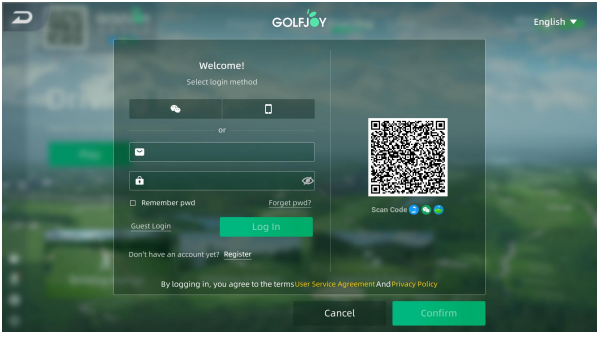
3.Select "Network Manage", then scroll the right-side panel to the "WiFi" settings section. Choose an available network, enter the Wi-Fi password, and connect.



Account Login

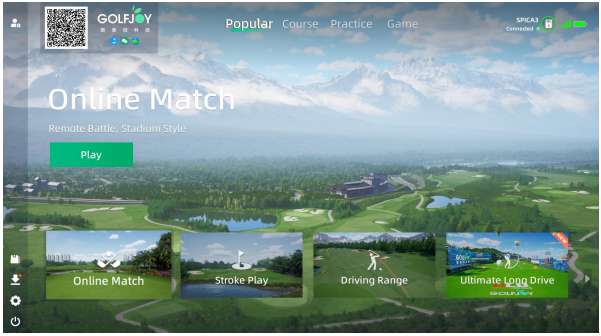
- Players are required to log in to their account when using the GOLFJOY PRO APP.

The GOLFJOY PRO APP offers multiple methods, including guest, WeChat, QR code via the GOLFJOY SPACE APP, and login using a mobile phone number or email account.

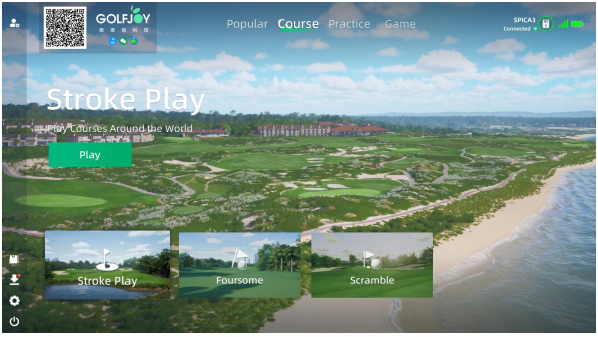


Function Introduction

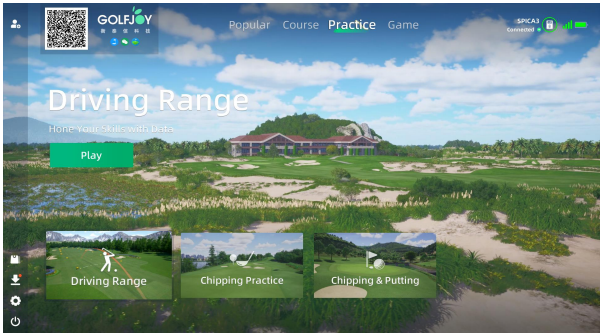
- The GOLFJOY PRO APP features four functional modules: Courses, Training, Games, and Real-Time Match. It includes 30 renowned golf courses, 3 driving ranges, and 5 game modes.



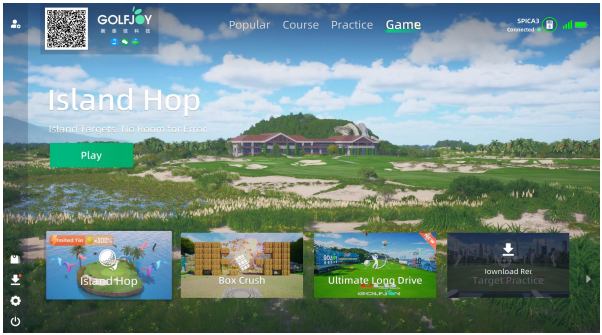
- Course includes three modes: Stroke Play, Foursome, and Scramble.



- Practice mode includes three modes: Driving Range, Chipping Practice, and Chipping and Putting.



- Game mode includes five games: Island Hop, Box Crush, Ultimate Long Drive, Target Pratice, and Funny Putt.

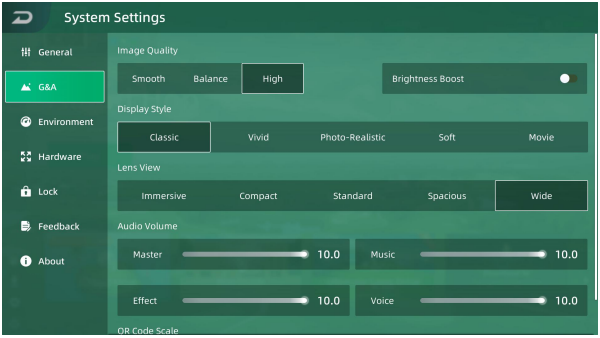


System Settings

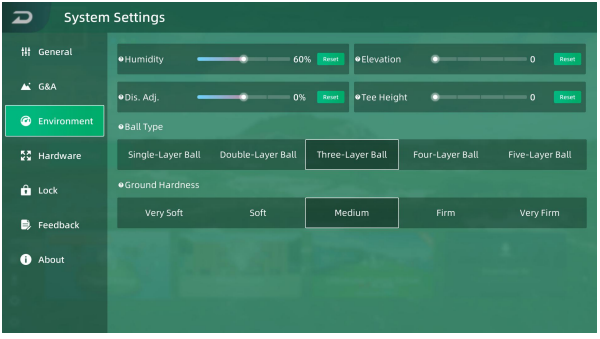
- General, including Language, Distance Unit, Speed Unit, Green Distance Unit, Theme, and more.



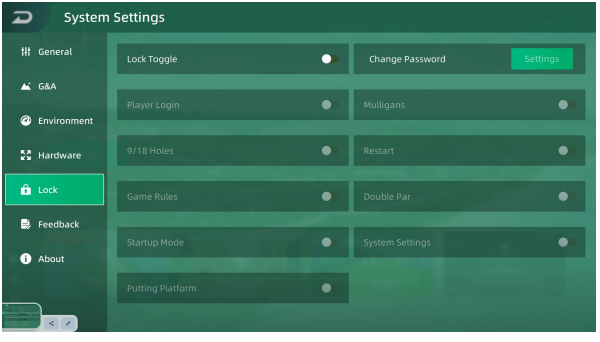
- Video & Audio, including Image Quality, Display Style, Lens View, Audio Volume, and more.



- Environment Settings, including Humidity, Elevation, Distance adjustment, Tee Height, Ball Type, and Ground hardness.



- Password Lock，Administrators can enable or disable the password lock feature and assign permissions to each function as needed. Once enabled, the administrator password is required to access the corresponding functional modules.



Dear customer:

If you encounter any issues during installation or setup, please don ' t hesitate to contact us. We are more than happy to assist you. You can reach us at our address, email, or through our social media accounts. Feel free to send us a message via social media as well.

Thank you once again for choosing GOLFJOY. We hope you have an enjoyable golng experience!

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