

**IREEL2.0**

User Manual

## Main Features and Settings Configuration

### Data Visualization:

1. Casting Distance/Lure Depth/Overall Line Distance
2. Casting Frequency
3. Retrieval Speed & Line Release Speed
4. Time per Cast

### Configuration:

1. Type-C Charging Standard: 5V/500mAh
2. 120mAh Lithium Battery
3. Charging Cable
4. User Manual
5. Electronic Module: IPX7 Waterproof System
6. Bluetooth Module: Supports Bluetooth 5.0, Effective Connection Range of 32 feet
7. Storage: Capable of recording casting data for up to 30 days

### Audio Notifications:

1. Casting Frequency
2. Casting Distance
3. Current Retrieval Speed
4. Remaining Retrieval Distance

### Historical Data:

1. Lure Fishing Log
2. Top 30 Best Casts
3. Historical Fishing Data

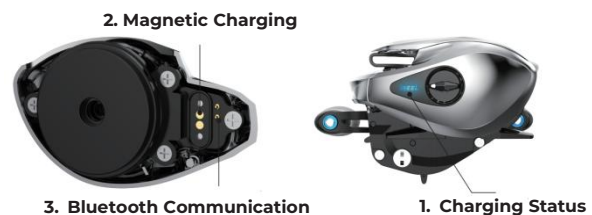
### Functional Parameter Range:

1. Maximum Display Distance: 0-716.69 yards
2. Rod Length Setting: 0.328-16.4 feet
3. Maximum Display Speed: 0-1465.95 mph
4. Maximum Casting Frequency: 65535 casts
5. Line Types: Braided Line, Monofilament Line, Fluorocarbon Line

### Indicator Guide:

1. Charging Status Light
2. Magnetic Charging Port
3. Bluetooth Communication Antenna

(Please avoid sharp objects to prevent scratches.)



## Basic Operation Function Instructions

### Function 1: Power On

Description: The reel can be powered on through three methods. Once the indicator light is illuminated, you can proceed with Bluetooth pairing via the app and enter the operational state.

1. Rotate the fishing reel handle
2. Turn the line spool
3. Connect the device to a power source for charging



Off

Power off



Red Solid

(1%-19%)

Low Battery



Yellow Solid

(20%-59%)

Sufficient Battery



Green Solid

(60%-100%)

Fully Charged

### Function 2: Charging

Description: To charge the fishing reel, remove the side cover, connect it to a power source using the magnetic charging cable.

During the charging process, the indicator light will be red, indicating that the device is charging. Once the battery is fully charged, the indicator light will turn green. After charging, please remove the charging cable and charger from the socket.



Charging in progress (Red)



Charging complete (Green)

### Function 3: Sleep Mode

Description: The fishing reel enters sleep mode after being disconnected from the app's Bluetooth connection and the spool without rotation for 30 minutes with no user interaction. The indicator light will flash twice before entering sleep mode. In the sleep mode, the reel's Bluetooth is turned off to minimize battery life. Users can power on the reel by rotating the fishing reel handle.

#### Function 4: Registration, Connection, Parameter Setup, and Line Spooling

##### Download:

Method 1: Scan the QR code below to download and install the KastKing app, register an account, and then connect the



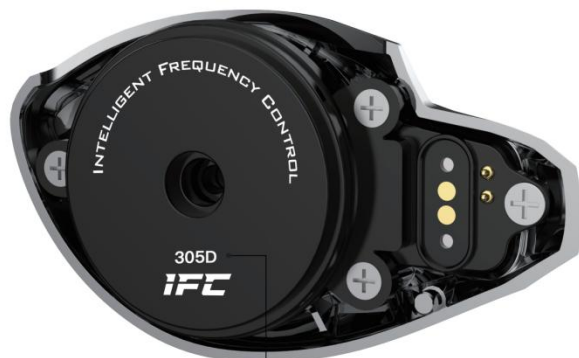
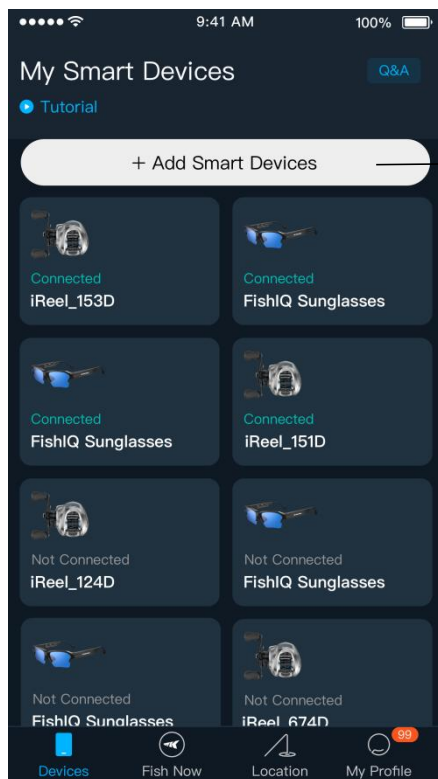
Method 2: Users can download the KastKing app from their mobile app store, register an account, and then connect the



**Login/Register:** Once the download is complete, you can log in with a single tap using your mobile phone number, register with a mobile phone verification code, or log in using third-party login options. If it is your first time logging in, the registration process will be automatically completed by default.

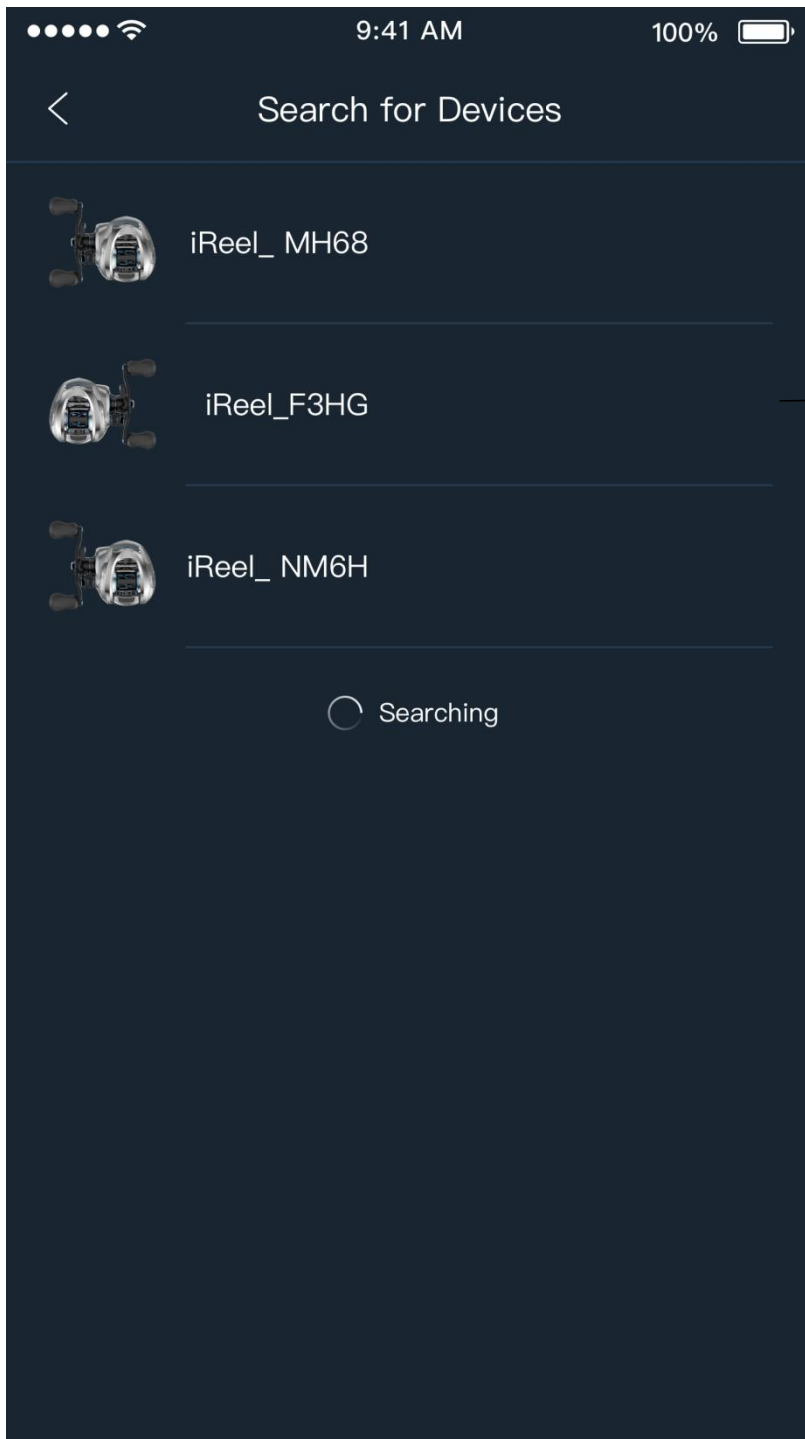
##### Device Pairing:

1. After completing the registration process, rotate the iReel's handle to wake up the reel from sleep mode.
2. On the device page, click on "Add Smart Device" and select the iReel.



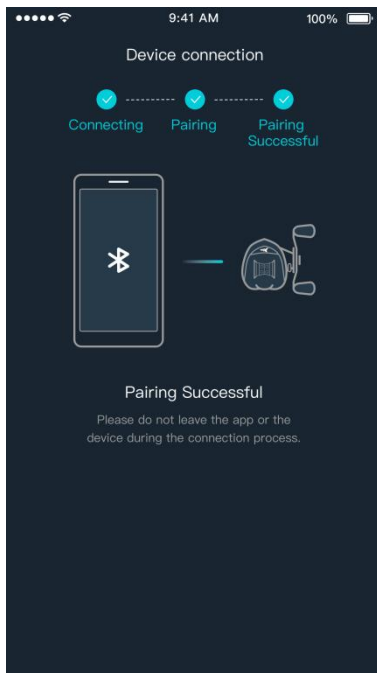
Device's ID Number

3. In the search page, click on the smart fishing reel that has the "iReel\_" label to connect it, and then wait for a successful connection.

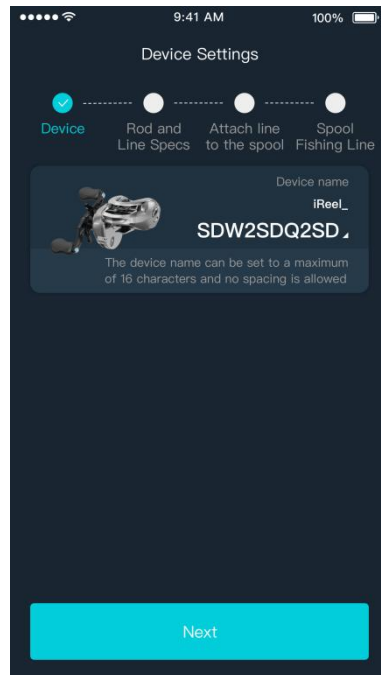


Select your iReel

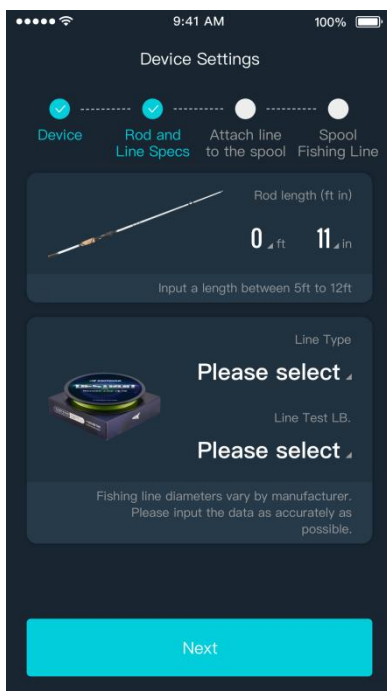
4. After entering the parameters of the fishing reel and spooling the fishing line, proceed to connect the reel with the mobile app.



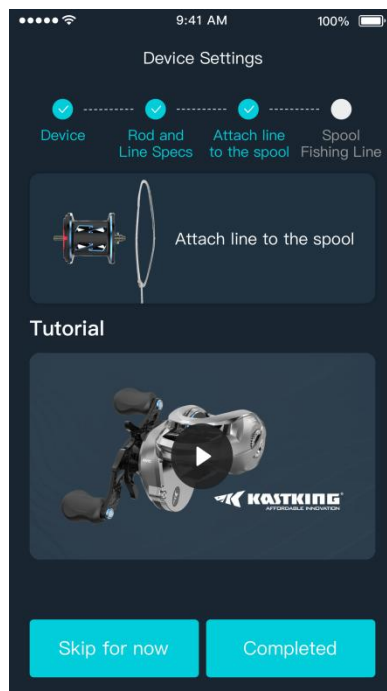
Connection Established



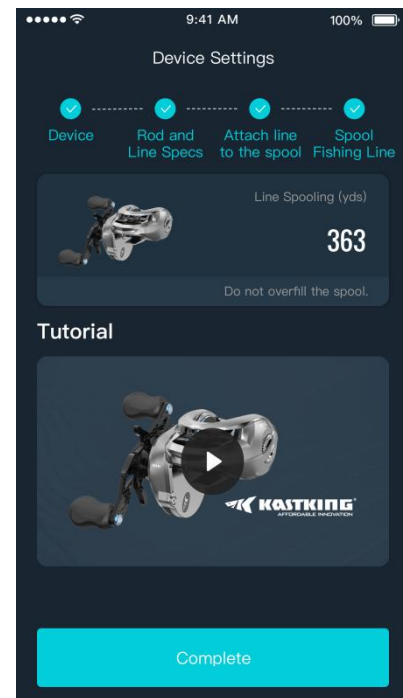
Set the Reel Name



Enter Parameters of Fishing Rod & Line



Tie the Line onto the Line spool



Spool the Line

### **Function 5: Data Visualization**

After successfully connecting the iReel smart fishing reel to the app, click on the "Fishing" option in the bottom navigation of the app to enter the fishing page. During the cast and retrieve process, the following real-time data can be viewed:

#### **1. Casting Data**

During the user's casting process, real-time data of the casting distance is recorded, including casting distance, Post-Cast Line Out, and Total Line Out.

#### **2. Retrieval Speed & Casting Speed**

During the angler's cast, real-time data of the current line retrieval speed and line release speed is displayed, measured in miles per hour (mph).

#### **3. The Number of Casts**

The number of successful casts are recorded during the user's casting process, including both long casts and short casts.

#### **4. Time per Cast**

Displays the time taken for each cast, from the moment the cast is made the moment the retrieval begins.

#### **5. Post-Cast Line Out**

The Post-Cast Line Out is defined as the amount of line that is released after the lure enters the water when the spool speed is relatively low (the Post-Cast lineout figure is for reference only).

### **Function 6: Voice Broadcast**

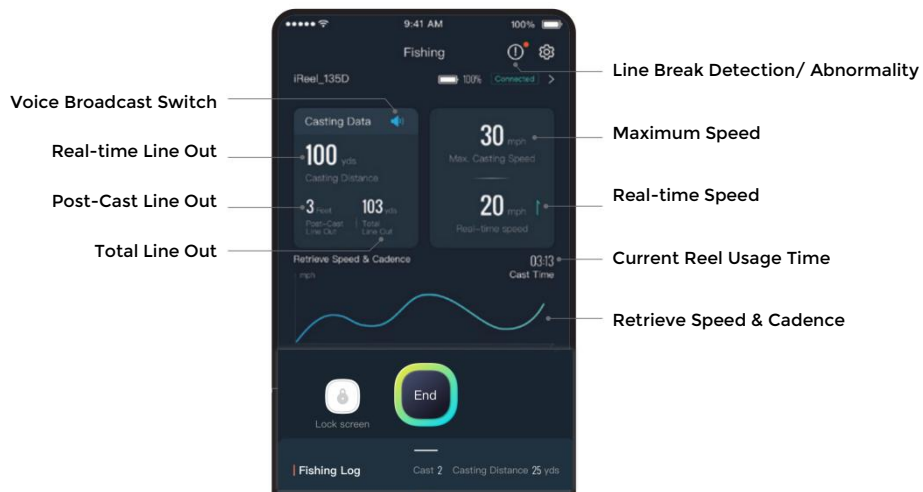
**Description:** While fishing, real-time fishing data, including the number of casts, casting distance and retrieval speed, can be heard through voice broadcasts.

**How to set up:** go to the fishing page or the settings menu, where you can enable or disable voice broadcasts.

### **Function 7: Line Breakage Detection**

**Description:** When line breakage occurs during a cast, the system calculates and subtracts the length of the broken line (line breakage detection has a certain margin of error and should be used as a reference only).

If line breakage occurs, the system will provide an abnormality alert, and you can view and handle the abnormality in the "Exception Handling" page.



### Function 8: Intelligent Frequency Control (IFC) Digital Braking System

#### Description:

(Powered Mode) When the fishing reel is casted in the powered mode, the MCU chip can monitor the rotation speed of the line spool in real time.

(No power mode) When the fishing reel is without power, it can still be casted as regular, but the brake mode is automatically switched to the default versatile mode.

Note: IFC Digital Braking System match the braking force in real time based on the rotation speed of the line spool. The faster the spool speed, the higher the digital braking frequency, and the finer the braking intervention.

### Function 9: Multiple customized braking modes

**Description:** 6 different fishing modes that can be set up through the app to help the angler apply to different fishing scenarios.

Note: Switch the brake mode on app, the LED light will be on for 5 seconds, which means the setting is successful. Anglers can also fine-tune the brakes from 1-10 levels through the brake dial on the fishing reel side cover. There is no braking force in any mode when the brake dial is on level 0.

#### 1. Default

The "Default Mode" is a great place to start when using the iReel 2. This mode offers incredible casting control for a wide range of rod lengths/actions, line types and lure styles/weights.

#### 2. Distance

If you are looking for maximum casting distance from your iReel 2, select the "Distance" mode when casting thin, medium to heavy baits designed for maximum distance under ideal fishing conditions.

#### 3. Large Profile Lures

#### 4. Pitching & Flipping

The "Pitching & Flipping" mode is designed for medium to heavy baits using underhand pitching or flipping casting styles to heavy cover. Perfect for short to medium casting distance to pin point target locations.

#### 5. Finesse

The "Finesse" mode is perfect for casting light baits such as light jigs, plastics, drop shots, Neko Rigs, Ned Rigs, etc. Casting distances are typically from medium distances to longer casting ranges.



## 6. Skipping

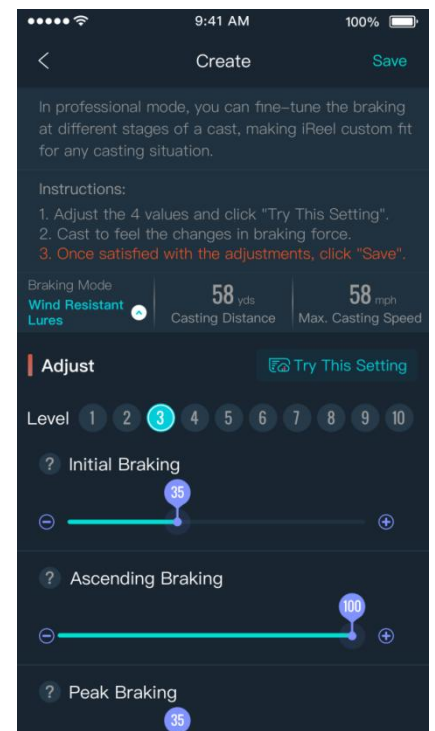
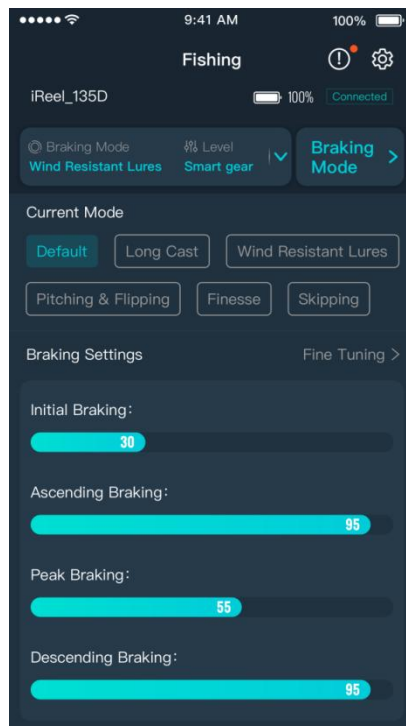
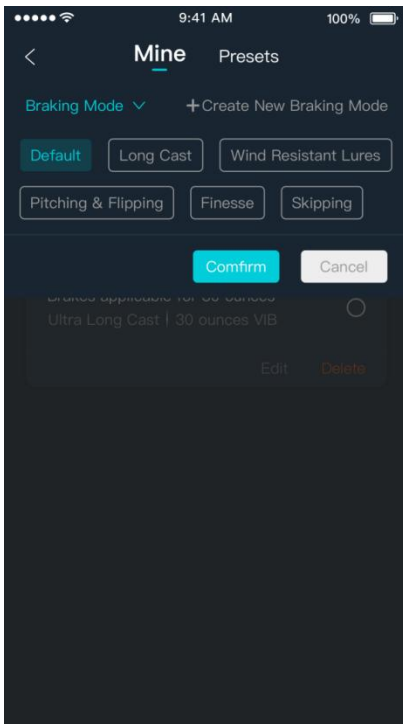
The "Skipping" mode is perfect for skipping a multitude of bait styles deep into cover, under docks, etc. Any time you need perfect spool speed control when the bait is skipping across the water's surface, this is the mode for you.

**Launch Stage:** When you start casting, the elastic potential energy of the rod is converted into the kinetic energy of the lure, and the lure drives the line spool to accelerate instantly.

**Ascent Stage:** When the lure is affected by the air resistance during the flight, the acceleration decreases, but the speed continues to increase, and the rotation speed of the line spool continues to increase under the drive of the lure.

**Flight Stage:** When the lure's flight speed reaches the highest point, under the influence of air resistance, although the acceleration continues to decrease, the lure's flight speed and the speed of the line coming-off driven by the rotating line spool are still in a high-speed state.

**Descent Stage:** The lure starts to glide down quickly and finally falls to the surface of the water. At this time, the line is still coming off the rotating line spool driven by the lure.



#### **Function 10: Historical Data**

**Description:** After using the iReel smart fishing reel, the system will record all fishing data.

**Fishing History:** Records detailed data for each cast while fishing.

**Top 30 Best Casts:** Records the 30 best casts in terms of casting distance for each month and in the entire fishing history.

**Historical Fishing Data:** Summarizes and records the time, number of casts, and highest records for all historical fishing trips.

#### **Function 11: Fishing Reel Breathing Light**

**Description:** The breathing light function is disabled by default and needs to be enabled through the app during the cast.

**Note:** The Breathing light only lights up while charging or casting, it will not light up by simply picking up the reel or manually moving the spool.

#### **Function 12: OTA Upgrade**

**Description:** By connecting to the app, you can check the current firmware version of your iReel. When the device is connected to the Internet, the firmware of your iReel can be upgraded online.

**Note:** During the upgrade process, the breathing light will turn on white, and will turn on blue to indicate that the upgrade process is complete.

## **FCC Statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** 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 communications. 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.