

LYCEBELL 100-APP

LYCEBELL LC-100-APP Wireless Bluetooth Anemometer Instruction Manual

1. INTRODUCTION

The LYCEBELL LC-100-APP is a wireless Bluetooth anemometer designed for accurate measurement of wind speed, temperature, wind chill, and air flow velocity. This device connects to your smartphone or tablet via a mobile application, allowing for real-time data monitoring, recording, analysis, and processing. It is suitable for a wide range of applications including HVAC system checks, outdoor activities like sailing and climbing, drone operation, and general meteorological observations.

The anemometer features a large LCD with backlight for clear readability, multiple units for wind speed measurement, and functions for displaying current, average, maximum, and minimum wind speeds. It also includes an auto power-off feature and a low battery warning for convenience.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x LYCEBELL LC-100-APP Handheld Anemometer
- 1 x Hand strap
- 2 x 1.5V AAA batteries
- 1 x Portable storage case
- 1 x Instruction Manual

Package Included



Image: The package contents of the LYCEBELL LC-100-APP Anemometer, showing the device, two AAA batteries, a hand strap, a portable storage case, and the instruction manual.

3. PRODUCT OVERVIEW

The LC-100-APP anemometer features a compact design with an integrated fan for wind speed measurement and a clear LCD for displaying readings. The device includes several buttons for controlling its functions.

LARGE LCD Backlight Display

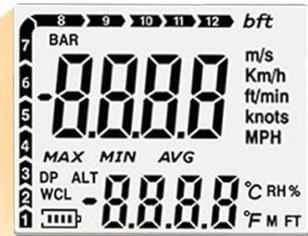
Large LCD display backlight measuring instrument, easy to read data in dark.



Backlit Button



6.5IN (165mm)



1.5IN (38mm)

3.4IN (85mm)

Image: A detailed view of the anemometer's large LCD backlight display, highlighting its readability in various lighting conditions. The image also indicates the device's dimensions: 6.5 inches (165mm) in height and 3.4 inches (85mm) in width.

Double Sensor

FAN

With 8 Sensitive Blades For Accurate Measurement

AUTO/MANUAL POWER OFF

Auto Power OFF to Save Your Battery



Image: This image illustrates the various buttons and components of the anemometer. It shows the 8-blade fan, the 1.5-inch LCD screen, and labeled buttons for Power On/Off, Unit Switch (m/s, ft/min, knots, km/hr, mph), LCD Back Light, °C/°F Temperature Unit Switch, MAX/MIN value display, and AVG/Current value display.

Button Description:

- **Power Button (⏻):** Turns the device on or off.
- **UNIT Button:** Cycles through wind speed units (m/s, km/h, ft/min, knots, mph).
- **MAX/MIN Button:** Displays the maximum or minimum recorded wind speed.
- **AVG Button:** Displays the average wind speed.
- **°C/°F Button:** Switches between Celsius and Fahrenheit for temperature display.
- **Backlight Button (☀):** Activates or deactivates the LCD backlight.

Your browser does not support the video tag.

Video: This video demonstrates the functions of the LYCEBELL LC-100-APP Anemometer's buttons, including power on/off, unit switching, backlight activation, and viewing maximum, minimum, and average wind speed values. It also shows the device connecting to a mobile application.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment on the back of the anemometer.
2. Use a small Phillips head screwdriver (often included) to unscrew the two screws securing the battery cover.
3. Carefully remove the battery cover.
4. Insert two 1.5V AAA batteries, ensuring correct polarity (+/-).
5. Replace the battery cover and secure it with the screws.

Your browser does not support the video tag.

Video: This video demonstrates the unboxing of the anemometer, installation of the AAA batteries into the device, and attachment of the hand strap. It also shows the initial power-on sequence.

4.2 APP Connection

The LC-100-APP anemometer can connect to your mobile device via Bluetooth for enhanced functionality.

1. **Download the App:** Search for "Intelligent Anemometer" in your device's app store (iOS App Store or Google Play Store) or scan the QR code provided in the image below. You can also visit <http://aicare.net.cn/app/iAnemometer/index.html> for direct download links.
2. **Enable Bluetooth:** Turn on Bluetooth on your mobile device.
3. **Power On Anemometer:** Turn on the LC-100-APP anemometer.
4. **Pairing:** Open the "Intelligent Anemometer" app. The app will automatically search for and pair with the device. A green light or indicator within the app will confirm successful pairing.

Free APP Connection

(Name: Smart Anemometer)

Date Log | Barrier-free Transmission | Long Distance Remote Control



Automatic pairing with your iPhone, iPad, Android phone and tablet via Bluetooth APP.



Scan this QR code to download

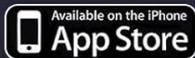


Image: This image displays the mobile application interface for the anemometer, showing real-time wind speed and temperature data, data logging capabilities, and options to download the app from the App Store or Google Play. A QR code for app download is also visible.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the red Power button (P) to turn the anemometer on. Press and hold the Power button for a few seconds to turn it off. The device also features an auto power-off function to conserve battery life.

5.2 Measuring Wind Speed and Temperature

Once powered on, hold the anemometer so that the wind flows directly through the fan blades. The current wind speed and temperature will be displayed on the LCD screen.



Image: The anemometer in use, showing its precision in measuring wind speed and temperature. The image highlights the various unit selections available for wind speed: m/s (0.3-30 M/s), Knots (1-55 Knots), Km/h (2-90 Km/h), Mph (0.67-67.1 mph), and Ft/min (59-5905 Ft/min). Temperature range is also indicated as 14°F to 113°F.

5.3 Unit Switching

Press the **UNIT** button to cycle through the available wind speed units: meters per second (m/s), kilometers per hour (km/h), feet per minute (ft/min), knots, and miles per hour (mph).

Press the **°C/°F** button to switch the temperature display between Celsius and Fahrenheit.

5.4 MAX/MIN/AVG Readings

Press the **MAX/MIN** button to view the maximum or minimum wind speed recorded since the device was powered on or reset. Press the **AVG** button to display the average wind speed.

5.5 Backlight

Press the Backlight button (☀) to turn the LCD backlight on or off. The backlight will automatically turn off after a short period to save battery.

5.6 Wind Chill Indication

The device provides a wind chill indication, which is calculated based on the measured wind speed and temperature, offering a more accurate perception of cold conditions.



Image: The anemometer is depicted in various practical applications, including general travel environments, surfing or sailing, storm chasing, and meteorological observations, demonstrating its versatility.

6. MAINTENANCE

To ensure the longevity and accuracy of your LYCEBELL LC-100-APP Anemometer, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage. Store the device in its portable storage case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Fan Care:** Keep the fan blades free from dust and debris. Avoid touching the blades directly to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your anemometer, refer to the following common problems and solutions:

- **Device does not power on:**

- Check if the batteries are installed correctly with the right polarity.
- Replace the batteries with new ones if they are depleted.

- **Inaccurate readings:**

- Ensure the fan blades are spinning freely and are not obstructed by debris.
- Make sure the device is held correctly, allowing wind to pass directly through the fan.
- Verify that the correct units are selected for measurement.

- **APP connection issues:**

- Ensure Bluetooth is enabled on your mobile device.
- Make sure the anemometer is powered on and within Bluetooth range.
- Restart both the anemometer and the mobile application.
- Check if the app is updated to the latest version.

- **LCD backlight not working:**

- Press the Backlight button (☼) to activate it.
- Check battery level; low batteries may affect backlight performance.

8. SPECIFICATIONS

Feature	Specification
Brand	LYCEBELL
Model Number	100-APP
Material	Acrylonitrile Butadiene Styrene (ABS)
Wind Velocity Range	0.3~30 M/s (0.67~67.1 mph)
Wind Speed Accuracy	±5%
Wind Speed Units	m/s, km/h, ft/min, knots, mph
Wind Temperature Range	-10~45°C (14~113°F)
Wind Temperature Accuracy	±2°C (35.6°F)
Resolution	0.1 m/s
Display	Large LCD with Backlight
Power Source	2 x 1.5V AAA batteries

Feature	Specification
Item Dimensions (L x W x H)	3.54 x 1.57 x 6.69 inches
Item Weight	153 Grams (5.4 ounces)
Features	Mobile APP, Auto Power Off, Low Battery Warning, Wind Chill Indication, MAX/MIN/Current/Average Wind Speed

9. WARRANTY AND SUPPORT

LYCEBELL products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase or visit the official LYCEBELL website. Keep your purchase receipt as proof of purchase for warranty claims.