

Introduction

CardioBird 2 Device is a 1-lead electrocardiogram (ECG) data recorder and collector for animal use. By connecting the Device with CardioBird mobile application, it can simply use for recording, visualising, analyzing ECG data and request for report with detailed result.



Product

- CardioBird device x1
- Micro USB cable x1
- ECG cable x1
- Vet clip x 2
- ECG Box x 1



Usage time

- Continuous use: 48 hours
- Standby time: 7 days

Power

- Press the power button to switch the device ON and OFF
- When the power is off, press for 3~5 seconds to power on
- When the power is on, press for 3~5 seconds to shut down

LED indicator

Device State			LED State	
Non-charging	Power OFF		LED OFF	
	Power ON	BLE not connected	Blinking (3 Hz)	Green light (50% ~ 100%) Yellow light (15% ~ 50%) Red light (0% ~ 15%)
		BLE connected	LED ON	
Charging	Power OFF		Blinking (1 Hz)	
	Power ON	BLE not connected		
		BLE connected		
Updating firmware			LED OFF	

Specification

- Battery: 3.7V, 155mAh lithium battery
- Charging voltage: 5V DC
- Input impedance: >30M Ohm
- Amplification gain: 303V/V
- Common mode rejection ratio: ≥ 70 dB
- Firmware can be updated by APP

Size

- Device: 70 x 37 x 12mm

Weight

- 27g

Recommended working environment

- Temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Humidity: 10% ~ 95%
- Air pressure: 500 ~ 1060 hPa

Precautions

- The device is compatible with DC 5V chargers only. It can be used with the fast-charging chargers.
- If the battery power is lower than 15%, please charge the device as soon as possible to ensure proper functioning. If the device has not been used for a long time, it needs to be charged at least once every three to six months to maintain the health of the lithium battery.
- After the firmware update is completed, the device will return to the shutdown state. You can restart the device according to the normal startup procedure.

Data transfer mode

- BLE 5.2

ECG and heart rate

- Sampling frequency: 1000Hz
- Resolution: 14-bit
- Measurement range: 15 ~ 300 bpm
- Electrode off detection

Automatic shut-down

- When the device is not connected to the mobile phone, it will automatically shut down after 60 to 70 seconds.



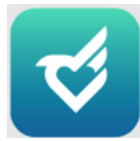
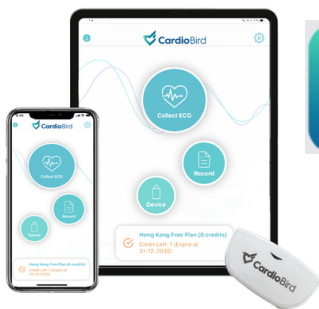


Applicable Animals

- Main use: companion animals dog and cat
- Others: rabbit, hamster, guinea pig etc.
(Please contact Customer Support for specific guideline)

Simple user guide

1. Download CardioBird Mobile Application and scan the device on App



iOS Appstore

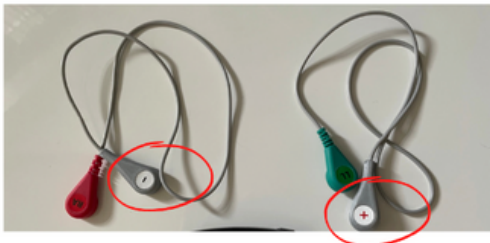


Android Google Play Store



2. Connect ECG cables to device

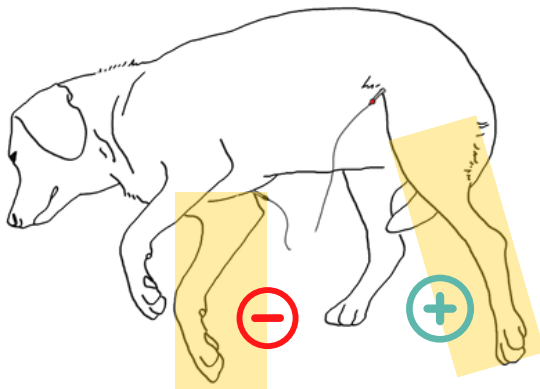
(+ and - electrodes are indicated on the cable and at the back of the device)



3. Place ECG clip on animal and collect ECG

Standard Lead II with animal in Right Lateral Recumbent position

Upload via CardioBird App and request for a report.



- (- negative) = RA= Right Arm
- (+ positive) = LL =Left Leg

