

# Easy Operation Manual

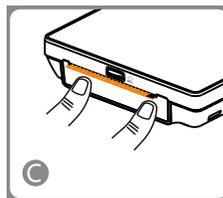
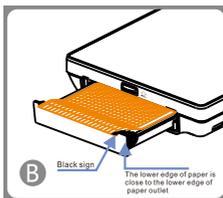
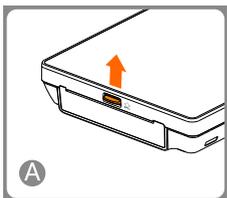
## Cable Connection

1. Connecting the power cable, the socket is in the back of the device;
2. Connecting the ground wire, the socket is in the back of the device;
3. Connecting the patient cable;



## Paper installation

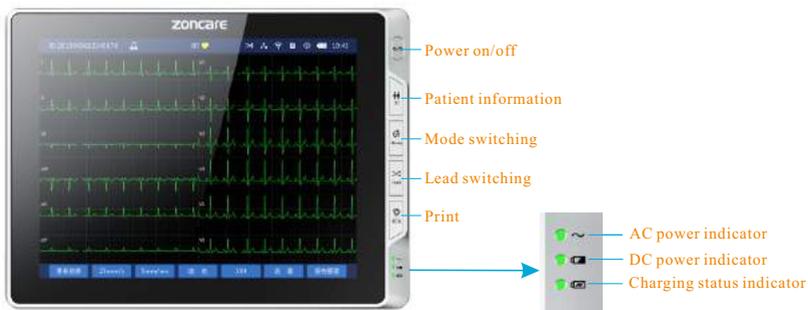
1. Open the printing door;
2. Place the printing paper with black mark to correspond the down side;
3. press the two sides of printing door to close it;



## Printing Paper Size

Please choose ZONCARE 112mm\*100mm folded thermal paper.

## Control Panel Instructions



## Turn on the cardiograph (AC or DC power are both supported)

1. While the power cable connected, the device will automatically use AC power mode. The AC indication light will be on.
2. While the power cable removed, the device will automatically switch to DC power mode. The DC indication light will be on.

## Print

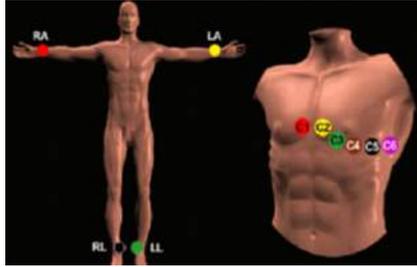
Ensure that the Waveform is stable on the cardiograph after connecting the electrodes well, then press the Print button.

# Troubleshooting

**NOTICE:** Before attempting to operate the device, please take some time to know them.

## Electrodes Connection

Before connecting the electrodes, please use some alcohol cotton-balls to keep the contact area moist.



Electrodes Placement

## Battery charging (AC Power mode)

Item	LED	Specifications
Power On	The LED indication is off	No battery
Power On	The LED indication is on	Normal charging
Power On	The LED indication is off	Battery fully charged
Power Off	The LED indication is on/off	Battery is charging/full charged

## Printer Error Message

If you receive an acquisition/printer error message, please ensure the following situations:

Message	Action
No waveform is displayed	<ol style="list-style-type: none"> <li>1. Please keep the electrodes in good contact with the body;</li> <li>2. Use alcohol cotton-ball to keep the contact area moist;</li> </ol>
Lack of paper is displayed	<ol style="list-style-type: none"> <li>1. Please ensure if the paper has run out, then change another new one;</li> <li>2. The paper installation has problem, please follow the user manual to install paper again;</li> </ol>

## Waveform printing problem for individual lead

1. Connecting the patient cable well, do not immediately start recording. Please wait for two seconds and press "INST" key;
2. Poor contact or cable broken;
3. Exclude the above two reasons, please contact with ZONCARE after-sales service department .

## ECG Filter Setting

### AC Filter

The AC filter removes interference created by the electrical power interacting with the lead wires. The AC filter is stable at 60 or 50 Hz.

Some situations will cause AC interference:

1. ECG machine doesn't connect with the ground cable;
2. If there is other high-power machine is working nearby;
3. The patient has the metal jewelry.

### Baseline Drift Filter

Baseline drift is the slow drifting of the ECG baseline up or down during ECG recording.

Some situations will cause baseline drift interference:

1. The temperature is too low;
2. The patient is nervous;
3. The patient is chatting during the recording;
4. The electrodes are too tight;

### EMG Filter

The EMG filter removes skeletal muscle artifact.

Some situations will cause EMG interference:

1. The electrodes connection is not stable;
2. The patient is moving and breathing during the recording;
3. The patient contact body area is not clean;
4. The new and battery are mixed.

How to do it?

Application → Standard → Filter Setting → 